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Adrian College welcomes qualified students regardless of age, disability, ethnicity, gender, physical characteristics, race, religion, sexual orientation; further, it does not discriminate on the basis of these characteristics in the administration of educational policies, employment practices, admissions policies, scholarship and loan programs, athletic or other College-administered programs or activities.

# Introduction to Adrian College

## Educational Mission

Adrian College, a liberal arts College in the United Methodist tradition, is committed to the pursuit of truth and to the dignity of all people. Through active and creative learning in a supportive community, students are challenged to achieve excellence in their academic, personal, and professional lives, and to contribute to a more socially just society.

## Statement of Principles

### The Foundation of Adrian College

Adrian College was founded as a Methodist institution. It is affiliated with The United Methodist Church.

John Wesley, the founder of Methodism, espoused a Christian faith that embraced a social consciousness. In the nineteenth century, American Methodists founded many liberal arts colleges.

Asa Mahan, the first president of Oberlin College in Ohio, became the founding president of Adrian College in 1859. Like John Wesley, he opposed slavery and believed in what he called “the power of action.”

Although its students and faculty come from many religious backgrounds, the College encourages all members of the community to struggle with moral and spiritual value questions growing out of the College’s United Methodist heritage of commitment to Christian traditions and values, concern for peace and justice and an ecumenical understanding of human spiritual experience.

Because of its Methodist traditions, Adrian College has been open from its inception to men and women from all backgrounds. The College continues its commitment to creating a community that reflects human diversity. It is therefore actively inclusive, seeking to attract students, faculty and staff from segments of the population that have not been fully represented in higher education.

### Ribbons of Excellence

In 1887 the graduating seniors at Adrian College presented a cane in the form of a shepherd’s crook to the officers of the junior class. Symbolic of leadership and carved with the Latin motto for “No victory without work,” the cane has been handed down every year by the graduating class. Each class has also attached a ribbon to the cane with the names of its graduates listed on the ribbon.

In 2007, the academic community at Adrian College adopted the idea of the ribbons to represent its standards of excellence. From the long-standing tradition of the ribbons attached to the shepherd’s crook at graduation, these new ribbons of excellence have been developed to support the College’s mission statement. Just as the Latin inscription on the cane suggests, these ribbons of excellence cannot be achieved without hard work:

- Caring for humanity and the world
- Learning throughout a lifetime
- Thinking critically
- Crossing boundaries and disciplines
- Developing creativity

Caring for humanity and the world: making socially responsible decisions; providing service to local and global communities; interacting positively with persons of diverse cultures and backgrounds.

Learning throughout a lifetime: continuing to ask important questions; pursuing knowledge in each new age; remaining open to new learning experiences.

Thinking critically: developing critical habits of mind; exploring multiple points of view; raising thoughtful questions, identifying problems and solutions.

Crossing boundaries and disciplines: developing literacy in multiple fields; personifying the liberal arts experience; making connections across disciplines.

Developing creativity: engaging in creative arts; developing creative talents and skills; recognizing and employing figurative expression.

## General Information

### Accreditation

Adrian College is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools (Higher Learning Commission, 30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504; (800) 621-7440; (312) 263-0456; Fax: (312) 263-7462) the University Senate of The United Methodist Church (Division of Higher Education, General Board of Higher Education and Ministry, PO Box 340007, 1001 Nineteenth Ave., South, Nashville, TN 37203-0007). Teacher Education certification programs are approved by the Michigan Department of Education (Michigan Department of Education, 608 W. Allegan, Lansing, MI 48933). Social Work program initial accreditation is occurring through the Council on Social Work Education (Council on Social Work Education, 1725 Duke Street, Suite 500, Alexandria, Virginia 22314).

Adrian’s affiliations include membership in the Association of Independent Colleges and Universities of Michigan; the Michigan Colleges Foundation; the Michigan Academy of Science, Arts and Letters; the National Association of Independent

Colleges and Universities; The National Association of Schools and Colleges of The United Methodist Church; the American Council on Education; and the Council for Independent Colleges.

## **The Campus**

Adrian College is located in Adrian, Michigan, the county seat of Lenawee County in the southeastern part of the state. Adrian is a city of approximately 22,000 people, situated in the center of an agricultural, industrial and recreational area. State and U.S. highways and nearby expressways provide convenient access to the metropolitan areas of Detroit, Toledo, Chicago, Indianapolis, Cleveland and Pittsburgh. Both the Detroit and Toledo airports are within an hour's drive.

The Adrian campus is remarkably modern for a college which will soon celebrate its 150th anniversary. The architecture of 19th-century Downs Hall, however, recalls the College's long educational tradition.

For nearly a century, the Adrian campus consisted of several brick buildings that fronted on Madison Street. In the mid-1950's, largely through the generosity of major benefactor Ray W. Herrick, development of a new and modern physical plant was begun.

Today the College extends over 100 acres in a west-side residential section of the Adrian community. The original "college promenade" with its carefully groomed lawns and stately old trees now forms the eastern boundary of the main campus. A carillon tower on the east and a contemporary chapel on the west are familiar landmarks of the central mall.

Madison Street, on the east edge of campus, connects the College with state highway M-34 to the south and business route U.S. 223 to the north. A 48-acre arboretum and natural science study station is located about 15 miles from the main campus on Round Lake.

## **System of Academic Governance**

The governance system at Adrian is designed to ensure that issues related to effective operation of the College are based on consideration of all concerned points of view. Both strategic plans and immediate decisions and actions are weighed on the basis of academic soundness and fiscal responsibility, in accordance with the College's mission and purposes. In addition to the administration and Student Government, the five basic components of the system are the faculty, the collegia, the academic departments and a number of standing and ad hoc committees. Faculty meetings include both students and some administrators closely involved with the academic program.

Five standing committees and several related committees report to the faculty: Academic Policy and Assessment, Curriculum, Campus Environment, College Planning and Faculty Life. Faculty decisions on the curriculum and academic programs are presented as recommendations to the President.

The 20 academic departments are organized according to traditional academic disciplines and are responsible for curriculum development, planning, academic standards and student relations within their areas of concern and expertise.

Collegia are interdisciplinary groups of the faculty organized according to four broad fields of interest: arts, letters and the humanities; social science and comparative cultures; applied

arts; and the sciences and mathematics. The collegia coordinate the efforts of academic departments and faculty members with similar interests and concerns.

Various informal opportunities exist for faculty and student involvement in decision making. These include regular meetings of the President with interested constituents and a continuing discussion of campus issues.

## **History of the College**

Adrian College evolved from a theological institute founded by the Wesleyan Methodist denomination at Leoni in 1845. This was united with the Leoni Seminary, a Methodist Protestant institution, establishing Michigan Union College in 1855.

Local circumstances made it advisable either to relocate or to close Michigan Union College in 1859. In that same year, Dr. Asa Mahan — pastor of the Plymouth Congregational Church in Adrian — was encouraged by citizens of the community to establish a college there. Mahan was a veteran educator, having served as the first president of Oberlin College and, previously, as an officer of Lane Theological Seminary in Cincinnati, Ohio.

Dr. Mahan and his colleagues invited officials and supporters of the closing Michigan Union College to join in establishing the new college at Adrian. The invitation was accepted and the library holdings and a number of students and faculty members of the former institution joined the enterprise at Adrian.

On March 28, 1859, Adrian College was chartered by the Michigan legislature as a degree-granting institution with Dr. Mahan as its first president.

In 1868, Adrian College trustees transferred sole ownership and control of the College to the Methodist Protestant denomination. For over seventy years, Adrian College was identified with the academic egalitarianism of the Methodist Protestant movement. In 1916, a Methodist Protestant college at West Lafayette, Ohio, was consolidated with Adrian by action of the General Conference. The Methodist Protestant Church united with the Methodist Episcopal Church and the Methodist Episcopal Church, South, in 1939, and Adrian College became affiliated with The Methodist Church.

The unification of the Methodist Church and the Evangelical United Brethren Church in 1968 resulted in the affiliation of Adrian College with The United Methodist Church. In 1970, the College's Articles of Association were revised and Adrian became "a non-profit education corporation, operating under the provisions of the Michigan General Corporation Act (Act No. 327, P.A. 1931 as amended)."

The Articles of Association provide that the Board of Trustees shall consist of not more than 38 members, including 6 who are nominated by the Detroit and West Michigan Conferences of The United Methodist Church. Six trustees are elected by the Adrian College Alumni Association, and the remaining 20 are elected by the board itself. Two faculty and two student representatives serve as non-voting associate trustees.

## **College Facilities**

**The Adrian College Chapel** (1964) was a gift of Ray W. Herrick, a prominent benefactor of the College, in memory of his mother, Katherine Elizabeth Herrick. Used for weekly chapel

services, seasonal services and other campus and community activities, the chapel seats a congregation of 1,000 and a choir of 110. It is also open daily for private worship. Notable features of the chapel include a 2,100-pipe organ and 16 custom-designed stained glass windows which depict the story of Christianity and the history of Methodism; the windows were created by the Willet Stained Glass Studios in Philadelphia.

**The Arrington Ice Arena** (2007), named in honor of alumni Robyn Arrington and Harold Arrington, is the new home of Adrian College ice sports. Men's and women's intercollegiate hockey, men's club hockey, and women's synchronized skating have been added to the list of competitive sports on campus. This new venue also offers office space, a pro shop and concessions area as well as a variety of skating opportunities for students, faculty, staff, and the larger community.

**The Campus Services Building** (1965) houses the purchasing department, central stores and the maintenance department.

**Caine Student Center** (Renovated 2004), named for Stanley P. Caine, sixteenth president of Adrian College (1989-2005) is the campus center and is open 24 hours a day. It provides information, services, and an activity center for students, staff, alumni and other guests of the College. It houses a 24-hour **Margaret Valade Computer Lab, Jazzman's Cafe, 155 Grille, Arrington Bookstore, Quizno's** and the **Hickman Board Room**. Student Government Association, Campus Activities Network, Greek Life, Safety, the College World, and most Student Affairs offices are located in Caine. The Caine Student Center staff schedules activities in Caine, approves any on-campus posters or flyers and is the campus "lost and found." The Ridge Center Court memorializes Caine's history as Ridge Gymnasium.

**Dawson Auditorium** (1962, renovated 2004) is the campus center for theatre, arts, music and lectures. Named in honor of John Harper Dawson, alumnus and fourteenth president of Adrian College (1955-1978), The auditorium seats 1,000 persons. The Spencer Music Hall adjoins the facility.

**Herrick Tower** (1966) is a signature landmark of Adrian College. The 60-foot tower honors Ray W. Herrick, the generous benefactor whose gifts and commitment made possible much of the contemporary campus of Adrian College. The tower marks the location occupied for more than 100 years by South Hall, the first building erected on the campus (1859).

**Ritchie Marketplace** (1957, renovated 2006 and 2008) is the College dining center. The facility includes many stations: a grill, a community Mongolian wok, a salad bar/deli, a pizza oven, a pasta bar, and an old fashioned ice cream parlor. Food is prepared in front of students. The facility includes a lounge area, a fireplace, and a private dining room. French doors open to a patio with outdoor seating. Named for Corley S. Ritchie, alumnus, teacher and business manager of the College, the center was doubled in size in 1963 and underwent major renovations in 1976 and 2006.

**Rush Hall** (1957, renovated 1995) bears the name of Dr. W. Albert Rush, alumnus and former dean of the College.

**The Stanton Administration Building** (1960, renovated 2007) honors Donald S. Stanton, fifteenth president of Adrian College (1978-1988), and his wife, Barbara. It houses the offices of the President, Executive Vice President, Vice President and Dean for Academic Affairs, Vice President for Business Affairs, and Vice President for Institutional Advancement. The Business Office, Office of the Registrar, Financial Services Office, and Alumni Office are also located in the building.

**The Ward Admissions House** (2005) welcomes prospective students and their families to campus. Its reception center includes a fireplace built of bricks from the original South Hall.

### **Academic Facilities**

**Cornelius House** (1948) provides faculty offices, classrooms, individual practice rooms and a gracious lounge for the music department. The building is named for Dr. James D. H. Cornelius, who taught classics at Adrian from 1881 to 1925.

**The Peter W. and Sophia Piel Dawson Arboretum** is a 48-acre wooded area overlooking the southeast shoreline of Round Lake, about 15 miles from campus. This natural science study station was given to the College in 1975 by Peter W. Dawson of Manitou Beach, in memory of his wife, Sophia.

**Downs Hall** (1860) houses the theatre department, the Stubnitz Art Gallery, named for Dorothy and Maurice Stubnitz, and the Downs Studio Theatre. The only building remaining from Adrian's original campus, Downs is a Michigan historic site. The building, which formerly served as the College chapel, is named for Jordan Downs of Ohio, who contributed to its renovation.

The Goldsmith Center (1965, renovated 2008) The center was a gift of the family and friends of Allen L. Goldsmith, a distinguished industrialist and College trustee.

**The Holley Solar Greenhouse** (1980) was made possible by the Earl-Beth Foundation and its former president, Danforth Holley, an advocate of alternative energy sources. The greenhouse is used by classes in botany and biology, providing research opportunities in biology and solar technology for students and faculty members.

**Jones Hall** (1965) houses a computer science laboratory and the departments of history, political science, accountancy/business administration, earth science and economics. Named in honor and memory of Dr. Elmer M. Jones, a distinguished teacher of chemistry from 1907-1940, the facility includes a 206-seat amphitheater.

**Mahan Hall** (1965) houses art and interior design. Mahan Hall is named in honor of Asa Mahan, first president of Adrian College, who served from 1859-65 and again from 1867-71.

**The Merillat Sport and Fitness Center** (1990) provides educational, recreation and fitness facilities for all Adrian College students, faculty members and staff. The 80,000-square-foot complex includes a multi-sport forum for general recreational use with courts for basketball, volleyball and tennis, surrounded by a one-tenth mile indoor track. The center also contains

two racquetball courts, an athletic training room, a weight training and conditioning room, classrooms, a physiology laboratory and a dance studio, as well as a performance gymnasium which seats 1,300 persons and serves as home to the Bulldog basketball and volleyball teams. Offices of the exercise science/physical education department faculty and athletic department coaches and administrators are also contained in the building. The Merillat Center is named for Orville and Ruth Merillat, civic and business leaders in the community of Adrian for many years, whose leadership gift to the project provided the impetus for construction.

**The Jack and Elaine Vivian Wellness Center** (2005), located in the Merillat Sport and Fitness Center, provides students and staff state-of-the-art exercise facilities for conditioning and cardiovascular health. Jack Vivian, a graduate and trustee of the College, has been involved in sports management and sports facility management for much of his life.

**The Multisport Performance Stadium** (2006) adjoining the Merillat Center, provides facilities for students playing football, men's and women's soccer, men's and women's lacrosse, and women's field hockey and for the marching band. It also includes classrooms and lab space for the Exercise Science department.

**Peelle Hall** (1960) contains laboratories, classrooms, scientific equipment and a greenhouse. Many of the College's computer terminals also are located in Peelle. Named for Dr. Miles L. Peelle, an esteemed biological scientist and Adrian professor emeritus, the building houses most of the science departments, including biology, chemistry, computer science, environmental science, mathematics and physics.

**Robinson Observatory** (1962) in Peelle Hall contains a six-inch telescope for the study of astronomy. It is named in honor of Herbert Robinson, a local industrialist and benefactor of the College.

**Robinson Planetarium** (1966) in Peelle Hall is equipped with an SLI projector and seating for 66 persons. It also was a gift of Herbert Robinson.

**Shipman Library** (1963, renovated and expanded 2000) includes a complete line of academic information services. The renovated building is a large, attractive space with accommodations for individual and group study as well as leisure reading. It is named in memory of Dorothy Middlebrook Shipman, a distinguished library director and friend to Adrian College students. The collection numbers more than 150,000 volumes, including substantial holdings of microforms and audiovisual materials. A reciprocal borrowing arrangement with nearby Siena Heights University provides access to an additional 100,000 volumes. The library web page ([www.adrian.edu/library](http://www.adrian.edu/library)) provides on-site and remote access to the collection. In addition, over 60 research databases, many including full-text sources, are accessible campus-wide through the web page. The library reference area contains 20 computers that are available for research, and the building also houses the Gary and Margaret Valade Technology Center, which includes 37 computers along with other

computer equipment and facilities. Shipman's interlibrary loan service allows students to borrow books, articles and other materials from college and university libraries nationwide. Two notable special collections are held at Shipman Library: the Pitotrowski-Lemke Lincoln Collection and the Detroit Conference Methodist Historical Collection. The library is open to students, staff and the greater community 87 hours per week.

**Spencer Music Hall** (1974) honors Dr. James H. Spencer, composer and director of music at the College for 44 years. The building adjoins Dawson Auditorium and includes a large rehearsal hall, music libraries and instrument storage areas.

**Valade Hall** (1971, formerly North Hall) was rededicated in 2007 in honor of Gary and Margaret Valade. This hall is home to the departments of English, philosophy/religion, psychology, sociology/criminal justice/social work, teacher education, and theatre. It also includes the Richards Meditation Chapel, the Chaplain's Office, the Education Curriculum Center, and the Knight Auditorium (renovated 2008). The third floor is named MacNaughton Floor, honoring psychology professor Dr. Norman MacNaughton and Dr. Douglas MacNaughton, his son, alumnus and professor emeritus in philosophy and religion. The facility was built on the site of Old North Hall and the North Hall Annex, which housed Union troops during the Civil War and occupied the location for more than 100 years.

## **Student Housing**

### ***Residence Halls***

Each residence hall at Adrian is a purposefully designed environment to foster community living at its best. Each hall has its own television lounge, laundry facilities, kitchen, comfortably furnished lounge and recreation areas. A variety of living options are available. All residence halls are tobacco free. Contact the Housing Office for details on living options.

**Cargo Hall** (1964) This hall was named in honor of Dr. Ruth Cargo, professor emeritus of American history and political science.

**Davis Hall** (1963) is named for Mr. and Mrs. Arthur Davis of St. Petersburg, Fla.

**Deans Hall** (1968) honors the distinguished deans of women who have served the College since 1868.

**Estes Hall** (1958) is named for Mr. and Mrs. Floyd Estes of Lansing.

**Feeman Hall** (1956) honors Dr. Harlan L. Feeman, who was president of the College from 1917 to 1940.

**Jarvis Hall** (1961) was named in honor of Mr. and Mrs. E. Clement Jarvis of Dimondale.

**Pellowe Hall** (1966, renovated 2007) honors Edward G. Pellowe, Adrian alumnus and director of financial development from 1955-1966.

**Powell Hall** (1962) honors the memory of Dr. Homer K. Pow-

ell, professor emeritus of mathematics, astronomy, geology and physics. He taught at both Adrian and West Lafayette College before it merged with Adrian.

Stevens Hall (1960) is named for Claude H. Stevens, an alumnus, former chairman of the Board of Trustees and trustee emeritus.

**The College View Apartments** (2006) provide four-person suites with private bedrooms as well as kitchen and laundry facilities.

**College Theme Houses** (2007) provide unique living/learning opportunities for students with commonly shared interests.

### ***Sorority and Fraternity Housing***

**Herrick Hall** (1965), which houses the women of Alpha Sigma Alpha and Chi Omega, is named for Hazel M. Herrick, wife of Ray W. Herrick and generous friend to Adrian students.

**Lowry Hall** (1965), which houses Alpha Phi sorority and other students, is named in honor of Dr. Hope Lowry, a distinguished professor of modern languages from 1920 to 1963.

**The Alpha Tau Omega house** is located at 1215 West Michigan Avenue.

**The Phi Kappa Sigma fraternity house** is located at 1234 Williams Street.

**The Sigma Alpha Epsilon house** is located at 1108 Michigan Avenue.

**The Theta Chi house** is located at 315 South Madison Street.

*All the above College-owned Greek housing serves the residence, meeting and social needs of the chapters.*

# Admissions

## **Requirements and Procedures**

### ***High School Students***

Admission to Adrian College is selective. Each application is individually reviewed and evaluated on the merits of academic credentials, personal character and potential to take full advantage of the opportunities offered by Adrian College.

The College evaluates the rigor of the applicant's curriculum, grades earned, ACT or SAT scores, class rank and leadership potential demonstrated by involvement in school, community or religious organizations.

Adrian College recommends a minimum of 15 units of academic coursework in English, mathematics, science, social science and foreign language.

Applicants are welcome to visit Adrian College and can make arrangements for a personal tour by calling the Office of Admissions at 800-877-2246.

1. The application for admission. A completed application should be submitted between September 1 and March 15 of the senior year. Applications are available from the Office of

Admissions. Students may apply online at [www.adrian.edu](http://www.adrian.edu).

2. The high school transcript or GED equivalency certificate. The applicant must request that the high school send an official transcript to the Office of Admissions. The high school transcript should include at least six semesters of work. Students who have not graduated from high school may qualify for admission by successfully completing the General Education Development Test.

3. ACT or SAT score reports. All first-time college students seeking full-time enrollment at Adrian must take the ACT or the SAT. Tests taken during the junior and seniors years of high school are acceptable.

Students who have earned credit for courses taken at an accredited college or university while concurrently enrolled in high school may have those credits accepted for transfer to Adrian College. The student must have earned a grade of 'B' or better in the course. Students planning on earning transferable college credit for college courses taken during high school should consult with the Adrian College Registrar's Office prior to enrolling in those courses.

Beginning September 1 each year, Adrian College, upon receipt of completed application, notifies applicants regarding their admission status.

Traditional students admitted to Adrian College on a full-time basis must submit a deposit to enroll for the next year (see page 18).

### ***Transfer Students***

Students with previous experience at another college who are interested in transferring to Adrian College must be eligible to return immediately to the last attended college and must have an above-average cumulative GPA. Prospective transfer students must request an official transcript from each college attended to be sent directly to the Office of Admissions at Adrian College, in addition to submitting all regular application materials.

The quality of courses taken at another institution may be considered in the admission decision. Generally, credits earned in colleges and universities accredited by a regional accrediting agency will be accepted by Adrian College; however, no credit will transfer for any course with a grade below "C" (2.00).

(See page 76 for Limits on Transfer Credit.)

Prospective transfer students should complete their applications no later than August 1 for the fall semester, or December 1 for spring. Once the application file is complete, Adrian will notify transfer students of their admission status and transfer of credits within three weeks.

Note: Transfer students who entered their previous college more than two years after graduating from high school, or who have not attended college for the past two years, will be considered nontraditional students at Adrian.

### ***Former Adrian College Students***

Students who have withdrawn from the College and at a later date wish to return should make formal application on a readmission form provided by the Registrar's Office.

### ***Nontraditional Students***

Students entering Adrian for the first time after having been out

of high school for two years or more, or who are transferring to Adrian from another college which they entered more than two years after high school graduation or from which they have been absent for two years or more, are considered nontraditional students.

Nontraditional students will be considered for admission to Adrian when the Office of Admissions has received:

1. The application for admission. A completed application for admission must be on file prior to the beginning of the semester for which admission is desired.
2. Final high school transcript or GED equivalency certificate. The applicant must provide an official copy of the high school transcript or GED equivalency certificate.
3. Official college transcripts. If the applicant has had previous college course work, official college transcripts must be sent directly from the previous college(s) to the Office of Admissions.

Students may be asked to successfully complete the Nelson-Denny Reading Test as a condition of admission. Students may be asked to take the College's mathematics placement exam if deemed necessary.

In addition to providing the materials listed above, applicants may complete an interview which includes counseling and orientation. Candidates may schedule appointments by calling the Office of Admissions at 1-800-877-2246. The office is located in the Admissions House.

### ***International Students***

Adrian College welcomes students from other countries, who bring with them a rich cultural heritage. In return, the campus community is eager to share American cultural opportunities with these students.

Students from other countries who are interested in undergraduate study at Adrian College should contact the Office of Admissions at [admissions@adrian.edu](mailto:admissions@adrian.edu) for the necessary application forms at least one year before they expect to enroll. Each international student must show evidence of:

1. An academic objective which can be achieved at Adrian College.
2. A strong academic record and the capacity to benefit from study in higher education.
3. Adequate financial support to travel to the College, to live reasonably while in residence in the United States, to maintain adequate health insurance, and to return home.
4. The ability to read, write, and speak the English language with sufficient fluency to participate in the regular instructional program of the College.

The Test of English as a Foreign Language (TOEFL) is required of all international applicants from countries where English is not the primary language spoken. A TOEFL score of 173 on the computer-based test is required for unconditional admission consideration.

Adrian College offers instruction in English as a Second Lan-

guage (ESL) at the intermediate and advanced levels to support students in their regular academic program. Enrollment in an ESL course may be required, depending on the student's language proficiency.

International student applicants will be notified of their admission status as soon as all required materials have been submitted to the College.

### **Office of Multicultural Programs**

The Office of Multicultural Programs also serves international students in the areas of campus living and immigration matters during students' tenure at Adrian College. Academic services such as course selection, faculty advisors and English as a Second Language (ESL) are arranged through a coordinated effort of the Office of Academic Affairs and the Multicultural Programs. Should a situation arise where an international student needs additional academic assistance, referrals are arranged through the Academic Affairs.

### ***Special Students***

An individual who is not a candidate for a degree but wishes to take college courses may be admitted as a special student and should follow the procedure outlined on the special non-degree application form provided by the Office of Admissions.

### ***Guest Students***

Students currently pursuing a degree at another college or university may enroll in courses at Adrian College. Guest students must meet all course prerequisites, must be in good standing at their home college or university, and must have the written approval of the home institution for the specific courses to be taken. A guest student applicant should submit the Michigan Uniform Undergraduate Guest Application to the Registrar's Office. No application fee is required.

### ***Veterans***

Adrian College welcomes applications from veterans who have graduated from high school or obtained a GED certificate. Along with application materials obtained from the Office of Admissions, veterans must submit proof of honorable discharge (DD-214) from the armed forces. Veterans may schedule an interview with the Office of Admissions before completing the application process. Once enrolled, veterans will work closely with the Registrar's Office on matters relating to veterans' affairs.

### ***Dual Enrollment for High School Students***

High school students who wish to supplement and enrich their secondary school programs may apply for concurrent enrollment in regular 100-level courses on a space-available basis provided they meet the prerequisites. To participate in the program, a student should have completed the junior year in high school, have a 3.0 cumulative GPA in college preparatory courses and have the written approval of the high school principal or guidance counselor. To apply, students must submit the Jump Start program application and the official high school transcript to the Office of Admissions. No application fee is required. Enrollment is limited to one course per semester at a fee determined by the College. No refunds are made after the first week of classes.

## For More Information

Students who would like more information about Adrian College may contact the Office of Admissions at 1-800-877-2246, admissions@adrian.edu, or www.adrian.edu.

# Financial Information

## College Charges

The cost of attending Adrian College is competitive with that of attending most independent colleges in the Midwest. In an annual study of selected private institutions, Adrian's basic charges for tuition, room and board generally are found to be lower than those of other similar colleges. Current charges, without factoring in any financial aid, are outlined below.

### Costs for Full-time Study 2008-09

	Resident Student	Commuter Student
Tuition	\$23,090	\$23,090
Activity Fee	Resident \$150	Commuter \$150
Technology Fee	\$150	\$150
Room	\$3,400	\$0
Board (14-meal plan)	\$4,200	\$0
Total Cost	\$30,990	\$23,390

### Cost for Part-time Study

Tuition for students taking fewer than 12 semester hours will be charged at a rate of \$670 (2008-09 rates) per semester hour. Part-time students choosing to live in campus housing will pay the same room and board charges paid by full-time students.

### Description of Charges

The fees and policies listed below were in effect for the 2008-09 school year. These are subject to change by administrative action.

### Enrollment Deposit

First-time students submit the Enrollment Deposit of \$350 to hold their place in the incoming class. May 1 is the suggested deadline to submit deposits.

### Advance Housing Payment

New students applying for college housing will be required to pay an advance housing payment that is refundable if housing is cancelled by June 1. Returning students pay an advance housing payment to reserve a room which is refundable if cancelled by July 1.

### Orientation Fees

All full-time first-year students participate in New Student Orientation and Welcome Week. An orientation fee is included in the Enrollment Deposit to cover Welcome Week costs.

### Tuition

The full-time tuition charge is intended to pay for 12-18 semester hours. Students granted permission to enroll for 19 se-

mester hours will pay the regular full-time tuition rate plus the current part-time rate for one semester hour.

### Graduation Fee

All graduating seniors are assessed a Graduation Fee, due one semester before their graduation date. The fee covers the cost of the student's diploma and other costs associated with the College's graduation activities.

### Late Financial Registration Fee

Failure to sign and return the Student Account Contract in the July Statement of Account, regardless of the amount due, will result in a late fee.

### Parking Fee

Students who choose to park on campus pay a yearly fee. Refer to the Student Handbook for details.

### Special Course Fees

Some Adrian College courses such as Associate Teaching, Red Cross Life Saving, applied music classes, studio art courses and some other classes, require the payment of a special course fee. These fees vary from class to class and cover special materials or services associated with those individual courses. Refer to the semester schedule books for course fee details. Students taking individual studies (regular courses taught individually) are charged an additional fee.

### Student Activity and Technology Fees

The Student Activity Fee helps defray the cost of many campus activities presented at no charge to students, including dances, movies, athletic events, lectures and special performances by visiting entertainers. Guest students, special students, and students enrolled in fewer than 3 semester hours are exempt from this fee. The Technology Fee helps defray the cost of technology updates.

### Summary of Fees for 2008-10

Orientation fee	\$350
Student activity fee*	\$150
Student activity fee**	\$75
Technology fee*	\$150
Technology fee**	\$75
Individual study (per cr. hour)	\$150
Graduation fee	\$50
Late financial registration fee	\$50
Resident parking fee	\$100
Commuter parking fee	\$50

\*All full-time students; also, part-time students living on campus

\*\*Part-time students not living on campus

### Summary of Deposits and Advance Payments for 2008-10

Enrollment deposit	\$350†
Advance housing (returning)	\$100

†The enrollment deposit includes the first-year housing deposit.

## **Living Accommodations**

As a residential college, Adrian recognizes that the institution's teaching mission extends beyond the classroom. In order to provide students with the maximum opportunity to engage in this out-of-class education, all first-year, sophomore and junior students must reside on campus. Exemptions based on marital status, age, or local residence may be made by application to the Office of Residence Life. Fraternity and sorority housing is considered on campus housing. The College may designate other housing alternatives in the future.

Student rooms are furnished with beds, desks, chairs and dressers. Students furnish their own pillows, bedding, telephones, towels and study lamps if they want them. Each room has voice mail and a connection to the campus computer network and through the network to the Internet. Students need an Ethernet card to connect their computers to the central system. To ensure compatibility with the system, students may wish to call the computer center before purchasing a network card. Resident directors and resident assistants are available in each building to help meet the needs of each student.

New students who have submitted a Room and Board Agreement and the advance housing payment are assigned rooms during the summer, after all summer orientation sessions are completed. The advance housing payment is applied to the student's room charge and is refundable if housing is cancelled by June 1. Single room accommodations are available upon request.

Returning students establish their priority for room reservations by submitting a room and board agreement in early March. The agreement must be accompanied by receipt for the advance housing payment. This payment is applied to the student's room charge and is refundable if housing is cancelled by July 1. Room assignments are made by the lottery system, but students are permitted to reside in the same room year after year if they choose. Students requesting a single room must not have any unpaid balance on their account.

Students who are assigned rooms during the first week of classes will be charged the full semester rate. Thereafter, charges will be prorated.

Students are held financially responsible for the loss of keys, breakage, property or residence hall damage, equipment or furnishings removed from the premises and fines. Costs for the repair of damage in a residence hall are shared equally by all students in the residence hall.

## **Dining Facilities**

All students living in the residence halls, apartments, and fraternity houses are required to eat in Ritchie Marketplace or at the Scoreboard Cafe. Three meals are served every day except Saturday and Sunday breakfast. All meals are served cafeteria style. Students may also use their meal card in the snack bar after 1:00 p.m. for lunch and dinner (Monday through Friday).

The College offers a series of dining plan options to suit a variety of schedules and lifestyles. These plans provide varying levels of direct meals as well as debit purchasing capability which is built into our meal plan options.

All students who live in College owned housing must participate in one of the plans.

Returning students are requested to choose one of the meal options when signing up for fall semester housing through the

Residence Life Office. Students not indicating a particular meal option will automatically be charged for the full meal plan. The plan selected will be included on the fall semester statement in July.

Students have the opportunity to change from one meal plan to another ONCE during the first two weeks of the semester. Requests for changes must be submitted in writing to the Residence Life Office.

A special meal plan is available to students who reside off campus. The plan provides for any five meals taken Monday through Friday. This option is available only to off-campus students. Arrangements for participation can be made in the Residence Life Office.

Students who begin eating on campus during the first week of classes will be charged the full semester rate. Thereafter, charges will be pro-rated.

## **Payment of Accounts**

A Statement of Account will be mailed to returning and new students, at the billing address listed in Business Office records, prior to the fall and spring semesters. Included with the fall Statement of Account will also be a Student Account Contract. The contract must be signed and returned, along with payment in full or the first installment, to the Cashier's Office no later than July 20 for the fall semester or December 20 for students starting in the spring semester. Failure to return the Contract by the due date, regardless of the financial obligation, will result in a late financial registration fee being assessed. Students who do not pay their accounts by the end of the semester must have their registration approved by the Business Office for the next semester.

Students who do not pre-register for a given semester must stop at the Registrar's Office to register, and at the Business Office to settle accounts. No registration is complete until the proper signature form is received and it is approved by the Business Office.

## **Payment Plans**

### ***Cash Plan***

Semester charges may be satisfied by paying the balance shown on the Statement of Account by July 20th for fall semester charges or by December 20th for spring semester charges.

### ***Adrian Plan***

Students enrolled for six or more hours and in good standing may use the Adrian Plan for the payment of their fall and spring semester charges. The Adrian Plan incorporates five monthly payments for each of the two semesters. For the fall semester, payments are due in July, August, September, October and November. Spring semester payments are due in December, January, February, March and April. Minimum payment is due on the 20th of each month. There is a 1% monthly interest charge on the unpaid balance.

Failure to make an installment payment when due can result in cancellation of the privileges of attending classes, registering for classes, eating in the dining hall and residing in the residence hall.

Bills for less than \$50 will be sent to the student on campus.

Students enrolling for May or summer sessions must pay their charges in full before classes begin.

Students who withdraw during a semester will be held responsible for their complete semester charges less reductions, if any, that apply.

All accounts must be paid in full before a diploma is granted or a transcript of credit issued. Unpaid balances at the end of one semester will result in a student being ineligible to schedule classes in the next semester.

If a student has been gone for a full semester and still has an outstanding balance, the account is subject to collection procedures. All reasonable collection costs, including attorney's fees necessary for the collection of any amount past due, will be added to the student's account balance.

## **Refunds**

### ***Advance Housing Payment Refund***

The advance housing payment will be refunded if the Residence Life Office has received written notice of cancellation by June 1 for new students and by July 1 for returning students.

### ***Dining Plans***

Meal plans are purchased on a semester basis. If a student withdraws or is dismissed from school, the board charge will be adjusted to include one full week beyond the week of the change.

### ***Enrollment Deposit Refund (New Students Only)***

If the student's plans to attend Adrian College change, we will refund the Deposit if a written request, postmarked May 1 or earlier, is submitted to the Office of Admissions.

### ***Financial Aid***

If withdrawal or dismissal occurs during a semester, Adrian College grants and scholarships will pay the same percent of the revised tuition and fee costs as it would have paid of the original tuition and fee costs. State of Michigan grants pay the same proportion of the revised charges as they paid of the original cost of tuition. The amount by which federal aid is reduced is a function of other aid awarded and the student's account balance. Contact the Student Financial Services Office for details.

## **Tuition Adjustment**

### ***Semester Adjustments - Fall and Spring Semesters***

During a regular semester, a tuition and activity fee adjustment may be made for a student who is dismissed or withdraws completely.

The effective date used to compute an adjustment will be that date on which the Registrar's Office has received, from the appropriate personnel, official notice of the occurrence of any of the above changes in a student's academic status.

The schedule used to calculate the amount of money credited to the student's account is determined by the student's status and a formula specified by the federal government. Details on this schedule and the effect that it may have on an individual student are available from the Student Financial Services Office.

No credit is given to students departing after the ninth week of the semester.

### ***Semester Adjustments - May Term and Summer School***

A student who is dismissed or who completely withdraws af-

ter the first day of class, and before the end of the Drop and Add period, will receive a 100 percent credit on tuition. No credit will be issued after the Drop and Add period.

### ***Special Circumstances***

In case of withdrawal due to extenuating circumstances, such as serious illness or accident, some variance may be given to the regular withdrawal charges listed for tuition, room and board. Withdrawals of this nature should be reviewed fully with the Business Associate Vice President for Financial Services.

### ***Special Fees***

No refunds are made on course fees after the beginning of the semester.

### ***Scholarships and Grants***

One-half of all verified grants, scholarships and loans (except for loans where the proceeds are paid directly to the student or parents) will be applied to each semester's charges. Wages earned under federal Work-Study and campus employment programs are paid to the student by payroll checks, issued every two weeks, for the actual hours worked.

### ***Student Health Insurance***

All registered full-time students must show evidence of satisfactory health insurance coverage prior to the start of each academic year. If proof of adequate insurance is not provided to the Health Center, the College will automatically enroll the student in an individual accident and sickness policy and the annual premium will be added to the student's account. A brochure highlighting this policy is available through the Health Center.

## **Student Financial Aid**

### ***Philosophy of Financial Aid***

A private college education involves a serious commitment of time and money, but the benefits of an Adrian College education are worth the investment. The cost of attending Adrian is often less than prospective students expect.

Currently, 94 percent of full-time Adrian students receive scholarships or grants from the College. Many of these students also receive state and/or federal assistance. Since almost all students qualify for some type of assistance, individuals are strongly urged to apply for aid. Adrian College is committed to keeping an Adrian education affordable.

Adrian College has received many generous gifts from individuals, businesses and foundations that support the principles for which the institution stands. Many of these donors provide funds for scholarships and other financial support to assist capable students who desire an Adrian education.

Adrian College also participates in all State of Michigan and federal financial aid programs.

#### ***Determining Eligibility for Financial Aid***

Adrian College awards both need-based and merit-based financial assistance to students, drawing on federal, state and Adrian College aid programs.

In order to receive need-based financial assistance (including federal and state aid and some Adrian College aid), students and parents also must complete the Free Application for Federal Student Aid (FAFSA), available on-line at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).

The FAFSA is a need analysis form that must be submitted by March 1st to the Department of Education. This form must be filed every year. The processor will evaluate the information included on the FAFSA to determine the amount the family can reasonably contribute toward the student's educational costs. The difference between the cost of attending Adrian College and the amount of the family contribution is the student's eligibility for aid.

Once the FAFSA has been processed, Adrian's Office of Financial Aid will prepare a financial aid package for each applicant. The financial aid package may consist of one or more of the following types of financial aid:

1. Grants and scholarships that do not require repayment on the part of the recipient.
2. Low interest loans, which require repayment after the recipient graduates or ceases to be at least a half-time student.
3. On-campus work opportunities to help students defray the cost of their education while going to school.

The financial aid package will be determined by the student's eligibility for each type of assistance. In a few cases, a combination of federal, state and Adrian College aid will force a reduction in the stated amount of the Adrian College Scholarship.

An incoming student automatically will be considered for a merit-based Adrian College Scholarship without filing the FAFSA or applying for other types of assistance. However, many students will qualify for some need-based aid, and all students are strongly encouraged to file the FAFSA unless a financial aid counselor indicates that it will not be necessary.

Financial Assistance Programs

### ***Adrian College Scholarships***

Students who are full time and enter into college with the required ACT and GPA may be awarded Adrian College scholarship assistance up to 8 semesters. Students who receive a merit-based Adrian College Scholarship will need to maintain their full time status (above 12 credit hours) and maintain good academic standing. Failure to maintain either criterion could result in loss of the scholarship. Also, students are only eligible to have two (2) scholarships given by Adrian College count towards their financial aid award. Scholarship awards can range from \$4,000 to \$50,000 over four years. For up-to-date scholarship information visit [financialaid.adrian.edu](http://financialaid.adrian.edu)

### ***Academic Scholarships***

All Adrian College applicants are considered for academic scholarships.

Academic Scholarships will be renewed each year as long as the student remains a full-time student while in good standing with Adrian College.

### **Art/Music/Theatre Scholarships**

These scholarships are available to students who submit portfolios or audition with the respective departments. Each department determines award eligibility. Performance or participation is required within that department for scholarship renewal.

### **Darsey Scholarship/Darsey Achievement Award**

These scholarships are awarded to returning students based

on merit and potential success at Adrian College. The Darsey Scholarship Committee determines amounts and awards recipients annually in the spring. Darsey scholars are named in honor of the late Van '27 and Lorraine Darsey, whose contributions made these awards possible.

### **Dawson Business Scholarship**

Several upper-class students are chosen annually by the business department to receive full-tuition scholarships plus \$500 for books. Dawson Scholarships are renewable for one additional year and are named in honor of former Adrian College president John H. Dawson. ('38)

### **Other Adrian Scholarships**

Additional Adrian scholarships are available for students who are children of Adrian College alumni (Legacy Scholarship), dependents of Chrysler/Ford/GM workers (Big-Three Matching Grant), recipients of Dollars for Scholars Scholarships (Dollars for Scholars Matching Grant), or active members of the United Methodist Church. Adrian will match scholarships from a student's local United Methodist Church, up to \$500.

### **International Student Scholarships**

International students are eligible for a Live-Free Scholarship, valued at the cost of a standard double room and eighteen meal/week plan. Adrian College also participates in the Business Educational Initiative exchange program, which allows two international students from Northern Ireland to attend Adrian College with full tuition and fee scholarships. These students are chosen by the program from a selected pool of applicants.

### **Adrian College Grants**

Students who file the FAFSA and need financial assistance may be awarded Adrian College Need-Based Grant money. This need-based grant money is free, given to the student from Adrian College. Adrian College Need-Based Grant money is not guaranteed each year, and is determined by the student's FAFSA and residency status (on or off campus).

THE ADRIAN COLLEGE NEED-BASED GRANT WILL BE REDUCED IF NECESSARY TO MAINTAIN FEDERAL, STATE AND COLLEGE BUDGETS. ANY OTHER FINANCIAL AID AWARD THAT EXCEEDS \$99 AND IS NOT A PART OF THE ORIGINAL FINANCIAL AID AWARD, WHETHER IT BE AN ADRIAN COLLEGE OR OUTSIDE SCHOLARSHIP, FEDERAL/STATE GRANT OR SCHOLARSHIP MONEY, FEDERAL LOAN, OR TUITION WAIVER, CAN REDUCE THE ADRIAN COLLEGE NEED-BASED GRANT.

### ***State of Michigan Aid Programs***

Michigan residency for one year is required for all state aid programs. Assistance from each program is renewable for up to 10 semesters. The Tuition Grant and Scholarship Programs are need-based programs, and a student may not receive assistance from both sources during the same semester. Both programs require filing the FAFSA, having the results sent to the state of Michigan and completing the state residency questions on the FAFSA.

The Michigan Work-Study program and the Michigan Adult Part-Time Grant also are need-based programs. These programs

also require filing the FAFSA. Eligibility for these is determined by the College.

#### Michigan Tuition Grant

The Tuition Grant Program, established in 1966, provides need-based grants up to approximately \$2,000 per year to Michigan residents attending private colleges in Michigan. Half-time students are also eligible.

#### Michigan Competitive Scholarship

Established in 1964, this program provides need-based scholarships up to approximately \$2,000 to Michigan residents attending private colleges in Michigan. Scholarship awards are based on the results of the ACT, which must be taken on or before the first testing date of the senior year, with results sent to the state of Michigan.

#### ***Federal Aid Programs***

All of the following programs require filing the FAFSA.

#### Federal Pell Grant

The Pell Grant Program, established in 1972, was the first program in which the federal government, rather than the institution, determined the grant recipient. The program provides need-based grants up to \$4,731 per year. Federal Pell Grant applicants must complete the FAFSA.

#### Federal Supplemental Educational Opportunity Grant (SEOG)

Adrian College participates in the Federal SEOG program established in 1965. This grant is awarded to students who qualify for a Pell Grant and still have unmet need. These funds are very limited.

#### Federal College Work-Study

The Federal Work-Study Program was established in 1964 as a form of “self-help.” Students with a large need receive an on-campus job assignment to help defray college costs. Students who do not qualify for this program may receive assistance in locating other employment. All on-campus jobs are limited to \$1,800 a year.

#### Federal Perkins Loan

The Perkins Loan Program was established in 1958. Students with the greatest financial need may be awarded up to \$3,000 per year, but funds are limited. Repayment is deferred until nine months after the student ceases to be enrolled at least half time and no interest is charged during that time; 5% simple interest applies upon repayment. The maximum repayment period is 10 years.

#### Federal Stafford Loan

The Stafford Loan Program was established in 1965. Applications are available from the Office of Financial Aid or from local lending institutions. Students must complete the student information section before returning the application to Adrian College. The maximum student loan is \$3,500 per year for freshmen, \$4,500 for sophomores and \$5,500 per year for juniors and seniors. The actual loan amount depends on parental and student income and the amount of financial aid awarded. An origination fee is deducted from the amount of the loan

requested. Repayment is deferred until six months after the student ceases to be enrolled in college at least half-time. The student then begins paying principal and interest at available rate, capped at 6.80%. The repayment period can be as long as 10 years.

#### ***Student Employment***

If finding campus employment is a critical factor in financial planning, students may contact the Office of Financial Aid to discuss possibilities.

## **Student Life**

Student Life supports the College’s mission by providing programs, services and advocacy that support student learning, growth and development in all facets of the College experience.

Student Life is comprised of professional educators (administrative, health care, and support staff members) who direct and coordinate numerous functional areas. These functional areas include health services, counseling, residence and Greek life, multicultural programs, student activities, student conduct, leadership development, community service, and campus safety & security. Staff members also collaborate closely with the chaplain’s office, academic services, physical plant, and faculty members.

Staff members work out of the Caine Student Center. In addition, staff members direct—with the support of student paraprofessionals—numerous student residential and Greek facilities that house over 1,000 students.

Student Life staff members have a number of constituents. However, students are our focus. We:

- Seek to house students in attractive, comfortable, clean, safe environments in collaboration with physical plant and campus safety
- Provide mental and physical health care and education to support students in their academic and other learning goals
- Build skills and attitudes that help students effectively apply academic learning
- Develop opportunities for students to plan, implement, and improve activities and programs
- Help students to move toward independence and to function effectively within groups
- Expose students to various cultural traditions and experiences and help students to appreciate differences
- Respond to student emergencies 24 hours a day, 365 days a year

## **Counseling Services**

Counseling Services help students gain an understanding that leads to a resolution of problems. Individual and group counseling sessions focus on helping develop a sense of competence, learning to meet increased or different academic and social demands, resolving interpersonal conflict, managing drug/alcohol related problems, depression or anxiety, resolving losses and other areas. If a student requires long-term counseling, referral to a local professional is usually made following an assessment by the counselor and student.

Counseling Services is staffed by qualified clinicians, experienced in working with college students. A variety of theoretical orientations and intervention styles are employed. Services are provided to registered students of Adrian College at no cost.

All discussions between counselors and students are confidential and no information can be released to anyone within the College or outside of it without the student's written request. This is in keeping with the ethics code of the American Psychological Association.

Counseling Services provide short-term individual counseling, which focuses on current difficulties. It also offers support groups, presentations and workshops each semester. New programs are offered during the year in response to student requests or needs.

## **Health Services**

New students to the Adrian College campus are required to submit a Student Health & Medical History Record, Immunization History and a Mandatory Health Insurance Waiver Statement to the Health Center. Failure to supply this information may delay the registration process.

The Health Center is located in the Caine Student Center between Dawson Auditorium and Rush Hall. The Health Center is open fall and spring semesters Monday and Wednesday, 8:30 a.m.-6:00 p.m.; Tuesday, Thursday, Friday, 8:30 a.m.-5:00 p.m. The Health Center is closed Saturday and Sunday. The Health Center is also closed during any holiday breaks that the residence halls are closed.

The Health Center is nurse-directed and consists of two registered nurses and an office coordinator. Services are available to ALL Adrian College students, including full-time, part-time and commuting students.

The Health Center provides:

- acute illness evaluation and treatment
- screening evaluations and disease prevention such as blood pressure checks, weight and vision
- first aid for minor injuries
- referrals and coordination of care to off-campus health care consultants
- over-the-counter medications, use and instructions
- health education on preventative health care and life-style issues including sexually transmitted infection education
- blood draws with appropriate order from physician
- follow-up of emergency hospital visits
- loan of crutches, wheelchairs and other medical equipment
- immunizations including; Tetanus, MMR, Hepatitis B series, Meningitis, and influenza vaccine (check with your insurance company—many vaccines are covered by insurance)
- TB skin tests (Mantoux)

When a student is seen in the Health Center, there is no cost for the nurse visit. There may be charges for medications, immunizations and treatment supplies. These charges may be paid for or charged to the student's account as a health service fee. Receipts for medications or immunizations can be requested by the student. The student is then responsible for submitting the request to their private medical insurance. Check with your insurance carrier regarding submission of these claims. The Health Center does not bill private insurance companies.

## ***Confidentiality***

All Health Services records are confidential. Safeguarding students' medical information is not only a legal requirement, but also an important ethical obligation. No one will have access to health records without the written consent of the student, including their parents/guardians, if the student is of legal age (18 years or older). Information from a student's health record will not be disclosed except in cases of extreme urgency where there is an obvious "need to know", such as in cases of injury to themselves or others or as required by law. Students have the right to access their personally identifiable medical files and have the right to correct or remove any inaccurate, irrelevant or out-of-date information.

## ***Health Insurance***

Health insurance is mandatory for all Adrian College students who are registered for 12 hours or more (full-time students). Every year students are required to complete a Mandatory Health Insurance Waiver Statement indicating a decision to purchase the Adrian College Health and Accident Plan or decline because the student has comparable medical/hospitalization coverage. Students purchasing the Health and Accident Plan and those who do not complete the waiver statement in its entirety by the deadline will be billed. The premium will be added directly to the student's account. Students who decline the Health and Accident Plan are required to submit a copy of their insurance card (front and back). A copy of the most current card must be on file at the Health Center at all times. Any changes in insurance information must be reported to the Health Center as soon as possible. Adrian College reserves the right to verify insurance information. If a student's plan does not provide comparable coverage or the student is uninsured, the student will automatically be enrolled and billed for the Health and Accident Plan.

## ***Residence Life***

Residence halls and Greek houses at Adrian College offer far more than just a place to sleep. There are several different living environments from which to select including substance-free halls, an academically focused hall, halls that remain open during semester breaks, student houses, and apartments for returning students. All living environments are tobacco-free and offer a variety of opportunities to explore a full range of activities and interests that develop practical skills.

All full-time students are required to live on campus unless they meet specific criteria for exemption. These criteria are published annually by the College. Students should contact the Residence Life office for more information.

## **On-Campus Living**

Students living on campus are required to register for and maintain 12 or more credit hours. A student dropping below 12 hours must contact the Residence Life Office for special permission to remain in campus housing.

## **Campus Safety**

Campus Safety provides continuous 24-hour services designed to assist students in areas of safety and security. The director has professional experience in criminal justice and supervises student safety officers and lieutenants. Lieutenants are part-time professional safety officers who patrol and se-

cure campus from the hours of midnight to 8 a.m. seven days a week.

### ***Registration of Motor Vehicles***

All motor vehicles possessed or used on campus must be registered every academic year.

Parking on College property is a privilege not a right. Vehicles can be registered at the Department of Campus Safety. You must bring a valid driver's license, student ID and vehicle registration. Any vehicle without a valid parking permit found in any lot where a VALID permit is required, will be ticketed and is also subject to being booted or towed at vehicle owner's expense. This includes but is not restricted to, all unpaved or paved areas on campus where vehicles are NOT authorized to be driven, i.e. on any lawn or grassy area, sidewalks and walkways.

- a. A vehicle registered by a faculty or staff member, which is operated by a son, daughter, or spouse of said faculty or staff member, who are eligible student drivers, must have and properly display a student permit. The operator of the vehicle must use the proper student lots.
- b. Students may register only one automobile.

### **Multicultural Programs**

The Office of Multicultural Programs provides services and events that are designed to encourage students, staff, faculty, and community members to explore various cultural diversity experiences on and off campus. The programs are also designed to offer academic and social support which assist students in their adjustment to Adrian College and the surrounding community. In addition, the office sponsors and co-sponsors several annual celebrations: ethnic month celebrations, the annual Global Food Festival, Hispanic Heritage Luncheon, Dr. Martin Luther King Jr. Day, Women's Month and others. These celebrations also provide cultural experiences for Adrian College and the surrounding community.

In keeping with its mission the office works directly with and advises ALPHA (African Americans Promoting Higher Achievement), ROOT (Rising Over Obstacles and Tribulations), and the International Student Organization. The office works in collaboration with the following student organizations that also promote and represent diverse experiences for students: Religious Life Council, Japanese Club and several Adrian Community organizations. Through these partnerships we hope that students are encouraged to participate in these organizations and or programs so that they may enjoy a rich and rewarding holistic college experience.

The office also serves international students in the areas of adjustment to campus living and immigration matters during the students' tenure at Adrian College. The Office provides incoming international students with a one day Orientation Program to Adrian College designed to help the students make a smooth cultural transition to the college. Students are also provided with an International Student Handbook. An electronic PDF document may be emailed to incoming international students upon request. The office will also facilitate a shopping trip for new international students during the Orientation Program.

Additional services such as assistance with course selection (prior to meeting with assigned advisors), and other services such as English As a Second language courses may be arranged

through a coordinated effort of the Office of Academic Affairs and Multicultural Programs. Should a situation arise where an international student needs additional academic assistance, referrals are made to Academic Affairs.

### **Student Activities**

The Office of Student Activities is located in the Caine Student Center. Involvement in campus organizations, student activities and service opportunities provides balance to the academic experience for students at Adrian College.

#### ***Student Organizations and Leadership Programs***

The Office of Student Activities is responsible for overseeing and assisting over 60 student organizations at Adrian College. The student organizations recognized by the Office of Student Activities represent cultural, religious, recreational, and special interests, performance groups, student government, media activities, and academic honoraries. The Office of Student Activities publishes the "Student Organization and Advisors Guide," which contains policies, resources and other information for student leaders.

#### ***Caine Student Center***

The Caine Student Center is the campus center and is open 24 hours a day. It serves as an information, services and activity center for students, staff, alumni and other guests of the College. Campus Safety, Student Government Association, Campus Activities Network, and Student Activities are located in the Student Center. Student Center staff members schedule activities and approve on-campus postings. Campus Safety is the campus "lost and found."

Within the Student Center, students will find lounge areas, computer lab, the Campus Safety desk, meeting rooms, recreational space, snack bar and ID cards. Student ID cards are made in the Office of Student Activities. Lost ID cards may be replaced at the cost of \$10. All Adrian College ID's are the property of Adrian College.

#### ***Commuter Information***

The center for commuter activity is the Caine Student Center which provides a place to relax between classes. The Office of Student Activities is the source of information about campus events and activities. Commuters are strongly encouraged to join student organizations or participate in other leadership opportunities on the campus.

#### ***Campus Activities Network (CAN)***

The Campus Activities Network (CAN), located in the Caine Student Center, coordinates recreational, educational, cultural and social programs for Adrian College students. Working in cooperation with the Office of Student Activities and other student organizations, CAN sponsors a variety of quality programming for all students to enjoy. CAN hosts Sibs & Kids Weekend, coffeehouses, bands, magicians/illusionists, comedians, lectures, BINGO and many more exciting events. CAN members also have the opportunity to attend NACA, a professional student activities conference, where they discuss the latest research on programming, student activities and get the opportunity to view upcoming acts in the college entertainment business. Any Adrian College Student can become a member of CAN.

### ***Student Government Association***

Student Government Association represents the student body and is the elected voice of the students. SGA recognizes the importance of advocating for student concerns in the process of decision making that affects the student population. SGA is a forum for student ideas; SGA representatives serve on campus committees in order to affect policies that concern students.

Student Government projects have included: community involvement, canned food drives, newsletter, increased computer and library hours, leadership days, national conference attendance, voter registration drive, appreciation week, multiple meal plans for students, Party Sober Night, enhanced student activities and the Student Center.

### **Greek Life**

Today's students are tomorrow's leaders. The Greek Life community at Adrian College provides numerous opportunities for students to enhance their college experience. Approximately one in four students who attend Adrian College becomes a part of the Greek Life community. Each of the four fraternities and three sororities exist on campus, emphasizing values including leadership, scholarship, service, philanthropy, friendship, and social responsibility. All Greek chapters on campus are nationally affiliated. The Sororities include Alpha Phi, Alpha Sigma Alpha, and Chi Omega. The Fraternities include Alpha Tau Omega, Phi Kappa Sigma, Sigma Alpha Epsilon, and Theta Chi. The Greek community is housed in college-owned facilities which serves as the respected chapters living quarters and place of various activities. Students who are Greek can opt to live in these facilities as part of their four year live on requirement instead of living in a Residence Hall. Formal recruitment takes place in the fall semester of each school year.

### **Academic Services**

The Academic Services Office, located in 205 Jones Hall, has a professional staff to help students with academic problems. Individual counseling and strategies are provided to students concerned about time management, note taking, test taking and stress related to academics. Services offered also include individual and small group tutoring, study skills and college text reading courses, a speed reading course, a research paper writing course and a course of preparation for graduate school examinations. (See class listings in the English Department – Basic Courses – for complete course descriptions.)

The Mathematics Department offers a course in developmental mathematics (See class listing in the mathematics department for complete course description) and assistance to students through a Math Lab staffed by peer tutors. The English department provides assistance through a Writing Center, also staffed by peer tutors. All services and courses are provided free of additional charge and can be accessed by students independently or by referral. Some students may be referred as a condition of acceptance or recommended for participation because of academic skills screening at freshmen orientation. Recommendation is made based on background variables and academic test scores.

### ***Services for Students with Disabilities***

Academic support services for students with disabilities are

available through Academic Services located in 205 Jones Hall. Written documentation from an appropriate, certified professional is necessary for receiving services. Students work with a trained professional in Academic Services to ensure that reasonable services or adjustments are provided. All requests are examined on a case-by-case basis.

Support services are provided without additional charge and, depending on documentation, might include note-takers, readers, scribes, tutors, extended time for testing, mobility assistance, and the use of a computer with scanner or voice recognition. An academic counselor will assist in establishing an appropriate program of support.

## **Academic Activities and Athletics**

### **Academic and Cultural Enrichment**

The College offers many opportunities for intellectual and cultural enrichment outside the classroom.

#### ***Calendar of Events***

The College produces a full calendar of events each year including lectures, cultural events and films. In recent years, Adrian audiences have seen and heard speakers as varied as Ramsey Clark, Frederick Douglass IV, Alfie Kohn, Randall Kennedy, Diana Eck, Katie Cannon, Billy Beane, Arkadi Kuhlmann, and the National Theater of the Deaf. The Adrian Symphony, the Professional Orchestra-in-Residence, presents a season of concerts with guest artists. The season includes classical concerts, chamber music, pops concerts and family concerts.

#### ***Art Exhibits***

The Stubnitz Gallery in Downs Hall presents at least seven exhibits each school year. These include the works of regionally and nationally-known artists, emerging artists, and Adrian College art faculty and students. The Heritage Room in Shipman Library also hosts exhibits, including art by regional artists and Adrian College students and alumni.

#### ***Musical Organizations***

The Music Department presents several annual concerts, including the Invitational High School Choral Festival in October, the Showcase Concert in November, the Service of Lessons and Carols in December, the annual Choir/Band Tour in March, and band and choir spring concerts in April. For further information on musical organizations and programs, please contact the Music Department at extension 4468.

#### **Adrian College Choir**

The Adrian College Choir is open to all students without audition. Music ranges in style from classical to contemporary. The choir performs several times a year and goes on an annual tour.

#### **Lenawee Community Chorus**

Includes singers from the community and from Adrian College. Emphasis is on the performance of large choral works with orchestra. Open to all students. No audition necessary.

### Jazz Ensemble

The Jazz Ensemble performs modern jazz and blues compositions. The ensemble offers many opportunities for learning and developing the techniques of improvisation and jazz performance. Open to all students.

### Adrian Concert Band

The Concert Band offers brass, percussion and woodwind players the opportunity to perform traditional band repertoire. A variety of literature is prepared, and public performances are given each semester. Open to all students.

### Adrian College Chamber Choir

Repertoire ranging in style from classic to contemporary. Performs in concert and in the community several times a year. Annual choir tour. Audition required.

### Adrian Symphony Orchestra (ASO)

The Adrian Symphony Orchestra is the Professional Orchestra-in-Residence at Adrian College. The ASO performs a season which includes classical concerts, chamber music, Casual Classic concerts, pops and family concerts.

### Brass Quintet, Woodwind Quintet, and String Ensemble

These ensembles offer students a small chamber music experience. Performances are given each semester, both on and off campus. Open to all students.

### ***Telecommunication Activities***

The Communication Department is located in its own multi-purpose media production facility, Rush Hall. Students are provided with a variety of hands on learning opportunities. Some of these include the HD TV Studio, HD Field Production program, Digital Audio Production Lab, and the Adrian College's student-run radio station, WVAC 107.9 FM. Student productions reach the public via WVAC, Audio Podcasting from our departmental website, Audio Streaming on the web, and Video Podcasting.

### ***Theatre Activities***

Adrian College Theatre stages four major productions each year, with at least one musical. Musicals and some other large-scale productions are usually presented in Dawson Auditorium, a traditional large-proscenium theatre. Other plays are presented in the more intimate 153-seat thrust-style theatre in Downs Hall. Productions in recent years include *The Pirates of Penzance*, *Once Upon a Mattress*, *A Midsummer Night's Dream*, *Chicago*, *The Laramie Project*, and *Little Women*. Adrian College Theatre is an active participant in the American College Theatre Festival and has received several awards recently for student written and produced plays, including invitations to perform the plays *Closure*, *Ain't No Puppet* and *Sex Conversation* at the regional festival. Outstanding upperclass theatre students are given the opportunity to direct a part of the season and students who have distinguished themselves in classes and through participation in productions are invited to join the local chapter of Theta Alpha Phi, the national dramatic honorary society.

### ***Religious Activities***

The chaplain, the department of philosophy and religion,

faculty, staff and students work together at Adrian in numerous curricular and extracurricular religious activities designed to help the campus and community develop sound Christian character. The Chaplain's Office seeks to offer programs, information and opportunities which nurture men and women in the experience and practice of personal and social holiness as defined by scripture and Christian theology.

### Chapel

Chapel attendance is a rewarding experience for many members of the College community. Students, faculty and staff are invited to participate in the weekly chapel programs, which feature contemporary music, a relevant message, and prayer.

### Student Religious Organizations and Activities

Several student religious groups meet on campus. Wesley Fellowship, a fellowship and study group affiliated with The United Methodist Church, is ecumenical in nature. The Catholic Student Association provides study and fellowship activities. Additional religious groups offer non-denominational Bible studies. Habitat for Humanity, a chapel praise team, our gospel choir, and A.L.P.H.A. (African-American Leaders Promoting Higher Achievement) are vital contributors to student religious life.

Students who wish to register for Conscientious Objector status may do so through the Chaplain's Office.

The Religious Life Council serves as a forum where all religious groups on campus can come together to coordinate and discuss their activities and concerns. In this way it supports and promotes open communication and ecumenical dialogue on campus.

### Church Participation

The churches of the City of Adrian are organized for worship and service. Students are welcome to attend all services and will find an atmosphere of genuine fellowship and many helpful contacts with pastors and members of the congregations.

### Course Offerings in Philosophy and Religion

Adrian students have a wide variety of courses of both general and specialized interest open to them in the field of philosophy and religion. For those looking ahead to the ordained ministry, mission service or another church occupation, the College offers a selection of courses leading to these vocations. However, courses in philosophy and religion are open to all students, who are encouraged to elect as many as possible.

### Training for Church Leadership

The Christian church is essential to a society founded on Christian principles, and its effectiveness will always depend upon its leadership. Adrian College aims to help develop effective church leaders. Students planning careers in the ministry, Christian education, church music or mission service will find appropriate foundational courses to help them prepare for graduate training.

Our pre-seminary/pre-ministry student organization and other groups offer students an opportunity to develop leadership skills that will be useful in church or community work regardless of occupations.

### The Ministry

For service in the ministry of any major denomination, a three-year graduate course at an approved theological seminary is required. The pre-seminary undergraduate program should be broad and general, including philosophy and religion. Pre-ministerial students might consider a major in philosophy or religion, or in such fields as history, sociology, social work, English or psychology. This, however, is not a requirement.

Pre-seminary students can obtain catalogs and the requirements of most seminaries from the Chaplain's Office or from the chairperson of the department of philosophy and religion. United Methodist pre-ministerial students should maintain contact with their local church, district and conference boards of ministry, with special attention given to requirements and procedures dictated by the Boards of Ordained Ministry. Pre-ministerial students also should consider Christian vocational opportunities in such fields as chaplaincy, college teaching and Christian education. Students interested in various forms of ministry gather around issues of vocational possibilities, theological discussions, and how to choose a seminary. For further information about the pre-seminary program at Adrian, see page 92.

### **Athletics and Intramurals**

The men's and women's athletic departments sponsor intercollegiate competition with other members of the Michigan Intercollegiate Athletic Association, as well as regional and national opponents. Adrian College is also a member of the National Collegiate Athletic Association.

#### ***Men's Intercollegiate Athletics***

Baseball	Ice Hockey
Basketball	Lacrosse
Cross Country	Soccer
Football	Tennis
Golf	Track (Indoor/outdoor)

Any male student carrying at least 12 hours may try out for any of these activities, provided he is academically eligible as certified by the Registrar.

#### ***Women's Intercollegiate Athletics***

Basketball	Softball
Bowling	Synchronized Skating
Cross Country	Tennis
Golf	Track (Indoor/outdoor)
Lacrosse Soccer	Volleyball
Ice Hockey	

Any female student carrying at least 12 hours may try out for any of these activities, provided she is academically eligible as certified by the Registrar.

#### ***Club Sports***

ACHA Div. I Ice Hockey

Any student carrying at least 12 hours may try out for any of these activities, provided she is academically eligible as certified by the Registrar.

### ***Co-ed Intramural Sports***

Volleyball Racquetball  
3 on 3 Basketball

### ***Men's Intramural Activities***

Basketball	Frisbee Golf
3 on 3 Basketball	Flag Football
Volleyball	Soccer
Softball	Racquetball
Floor Hockey	Broom Hockey

### ***Women's Intramural Activities***

Basketball	Volleyball
Frisbee Golf	Soccer
Flag Football	Racquetball
Softball	3 on 3 Basketball
Broom Hockey	

Activities may be added or deleted according to interest.

### ***Don and Dolly Smith Foundation Athletic Department Fund***

This fund was endowed in 1982 by the trustees of the Don and Dolly Smith Foundation in Flat Rock. One of the trustees, Roger D. Smith, is a 1965 graduate of Adrian. Income from the fund helps students with limited financial means to earn part of their educational expense by working in the athletic department.

### ***S. Gary Spicer/Harry W. Speedy Athletic Department Fund***

This fund was endowed in 1982 by S. Gary Spicer and Harry W. Speedy. Mr. Spicer, a 1964 graduate and a trustee of the College, is an attorney in Detroit. Dr. Speedy, a 1963 alumnus, is a physician in Greensburg, Pa. Administered in the same manner as all College student aid programs, the Spicer-Speedy Fund complies with all published financial regulations of the Michigan Intercollegiate Athletic Association. Income from the fund pays students employed by the athletic department. The athletic director recommends candidates for selection at the February or May meetings of the Athletic Board of Control and the award is used the following year.

## **The Office of Career Planning**

The Office of Career Planning offers a wide array of services designed to help students choose a rewarding career and make the transition from college to graduate school and/or the professional world. Students are invited to focus their career goals via online career assessments provided by Career Planning and take advantage of individualized career counseling with the Career Planning staff.

Maintaining a comprehensive website, the Office of Career Planning publicizes various submitted full-time and part-time job openings, internship opportunities, resume and cover letter templates and upcoming events. This site may be accessed online at [www.adrian.edu/career\\_planning](http://www.adrian.edu/career_planning). Job search assistance for upperclassmen is offered via mock interviews, job search counseling, sponsored job fairs and resume/cover letter assistance.

The Office of Career Planning manages the Adrian College Career Network, a database of professionals and Adrian College

alumni willing to advise and mentor students regarding career and job searches, employment/internship contacts, networking and graduate school. Career Planning also sponsors various career-related events throughout the academic year with student and academic groups.

## **Internships**

The Office of Career Planning coordinates the Adrian College Internship Program. The goal of the internship program is to provide all students with the opportunities to test their career interests and develop job-related skills through college-approved work experiences. Faculty sponsors guide students as they link theoretical knowledge with the practical learning gained in part-time or full-time internships.

Any Adrian student in good standing (minimum 2.00 cumulative GPA) is eligible for participation in the internship program following completion of 12 credit hours at Adrian College, provided the student is acceptable to the employer, obtains the approval of his/her advisor and secures a faculty sponsor for the internship. Students earn from 1-6 semester hours of credit during a single semester of an internship; the number of credit hours available for internships is designated by the Internship Committee. (A limited number of "full-time" semester hour internships may be available or could be arranged by the student.) Students may complete internships as they wish, with a maximum of 15 hours of internship credit applying toward the baccalaureate degree, depending on approval by program of study. Generally, credit is awarded on the following basis: a minimum of 40 total hours on the job equals one hour of credit. The hours earned will be listed as elective credit on the student's transcript, unless approved for departmental credit by the department chairperson.

Adrian College offers two types of internships. Exploratory internships, designated as course number 199 on the student's transcript, are part-time experiences open to second-semester freshman, sophomores, and upper class students with a credit limit of 3 hours per semester. Exploratory internships are designed to acquaint students with work in a particular setting, to bring them in contact with professionals in the field and, in more instances, to give them the opportunity to assume limited responsibilities in the career area being explored. Professional internships, designated as course number 399 on the student's transcript, are experiences for juniors and seniors in which they may utilize and enhance entry-level career skills. The credit limit, unless stated otherwise, is 6 hours per semester for 399 internships.

The cost for internship credit is the same as that for regular coursework. Students may incur additional costs for travel, accommodations, meals and transportation. A student may receive salary or wages for internship services, depending on the employer's policy.

Career Planning maintains a list of approved internship sites, though any student, faculty or staff member at the College may propose such a site. All proposed sites must be approved by the Internship Committee prior to a student beginning the internship. Students may pick up an internship packet at Career Planning or access it online and discuss the program with an Office of Career Planning staff member. The Office of Career Planning also offers information regarding off-campus internship programs such as the Chicago Center and The Washington Center.

## ***Role of Internship Committee***

This committee establishes procedures governing the internship program, reviews proposed sites, monitors the quality of the program and hears requests for variances from normal policy.

## ***Role of Career Planning***

This office is the central coordinating facility for all internships conducted through the College. In cooperation with the faculty Internship Committee, the Career Planning staff establishes, administers and publicizes procedures governing the program. Any questions regarding the internship program should be directed to this office.

## ***Role of the Faculty Sponsor***

The faculty sponsor is responsible for designing an academic component for the internship experience. This academic component should be above and beyond the normal work responsibilities the student assumes at the site, and will be outlined and agreed upon by the faculty sponsor and the intern prior to the start of the internship. The faculty sponsor insures compliance with established procedures, monitors student performance during the internship, maintains contact with the on-site supervisor, assesses student progress and grades the experience.

# **Academic Policies and Programs**

Adrian is a liberal arts college with many career development resources. Adrian's academic programs are designed to increase the student's understanding of the great areas of culture, to encourage exploration of individual interests and to provide depth of knowledge in one or more specific disciplines. The curriculum offers a foundation for professional and graduate training in many areas.

Sensitivity to the career needs of each student is also stressed. Departmental faculty members, together with the staff of the Office of Career Planning, offer career counseling and other services to help students focus their vocational goals.

Students are expected to graduate under the departmental and curricular requirements published in the Adrian College Catalog in effect the year they matriculate. However, the right is reserved to change requirements for graduation at any time as a means of keeping pace with the educational, scientific and technological developments affecting various curricula. Though such changes may be applied to students already enrolled, every effort will be made to give them the benefit of the new educational program without imposing undue hardship.

The right is reserved to refuse any or all previous credit earned by persons with less than a baccalaureate degree who have terminated their attendance at college for any reason and who have failed to return for additional credit within a period of six years from the date of termination.

Adrian College maintains a high standard of academic honesty. Dishonesty in assignments, examinations or other academic work is considered an extremely serious offense.

Requirements for graduation and the most important academic regulations are contained in this section. More information about administrative procedures appears in the Student Handbook, which is issued to all students each fall.

## **Degree Requirements**

### ***Degrees Offered***

Adrian College is authorized by its Board of Trustees to grant the following degrees: Associate of Arts, Bachelor of Science, Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Social Work and Bachelor of Business Administration. Students in one of the baccalaureate degree programs must make application for their degree during the first semester of their final year and must indicate the specific degree to be conferred. Students in the associate degree program must make application for their degree at the start of their third semester.

### ***Requirements for Graduation***

Summary of requirements for a baccalaureate degree:

- I.** A total of 124 semester hours, 30 of which must be numbered 300 or 400. (A total of 150 semester hours required for Bachelor of Science in Accounting.)
- II.** Five 3- or 4-credit courses meeting distribution requirements;
- III.** At least one course designated as non-western.
- IV.** Basic educational proficiency requirements of 21 semester hours;
- V.** A sophomore-level writing intensive course;
- VI.** A graduation major;
- VII.** A cumulative grade point average of C (2.00) and at least a C average in the graduation major, not counting cognate courses; a C average is also required in any minors which a student may elect;
- VIII.** The last 34 semester hours must be earned at Adrian College or in programs approved by the College.

### **I. 124 semester hours total, thirty credit hours of 300-400 level courses**

To ensure exposure to advanced courses, students are required to take at least thirty hours of credit at the 300-400 level. No more than eight hours of any combination of the following courses may count toward the 124 hours required: all music ensembles; any activity courses in music and theatre; and any applied music course for non-music majors and minors.

### **II. Distribution Requirements**

The following distribution requirements are designed to emphasize liberal education through a broad understanding of the liberal arts. To accomplish this goal, students are expected to complete five 3- or 4-credit hour courses in separate academic departments. These courses are distributed across three different areas of study. Distribution courses may also meet major, non-Western and writing intensive requirements.

#### **A. Arts - 1 course (3 credit hours)**

The study of the arts offers students insight into the creative process through lecture, performance, and studio courses. The student should achieve an understanding of how criteria are used to judge art and how the artistic expression manifests a culture's social, political and religious foundations.

Select one three-credit course identified by the ARTS (A) designator. (Students may also satisfy the ARTS distribution by passing the same music ensemble or the same applied music course for at least three semesters, or by com-

pleting three different one-hour dance classes.)

#### **B. Humanities - 1 course (3-4 credit hours)**

Students in humanities classes study human culture and creative production through literature, rhetoric and history. Primary and critical texts are the basis for tracing the development of ideas.

Select one three- or four-credit course identified by the HUMANITIES designator (H).

#### **C. Religion and Philosophy - 1 course (3 credit hours)**

Students in Religion/Philosophy courses follow an analytical approach to the major philosophical and religious traditions of humanity in order to understand the historical importance and contemporary relevance of such traditions. Students develop their ability to think for themselves in a reflective and consistent manner about the ideas, values and issues which define the human condition.

Select one three-credit course identified by the RELIGION/PHILOSOPHY designator (R).

#### **D. Social Sciences - 1 course (3-4 credit hours)**

The social sciences observe and analyze the interactions of people or groups of people and the variables and contexts that affect those interactions. Courses in this area will introduce students to the history, process, functions, and structures of relationships between individuals and their social, political, and economic institutions.

Select one three- or four-hour course designated by the SOCIAL SCIENCE designator (S).

#### **E. Natural Science - 1 course (3-4 credit hours)**

Students in science courses develop their understanding of the natural world. This can be accomplished through lecture, laboratory, and field experiences which emphasize information gathering, logical rigor, systematic study and application of scientific methodology. It is expected that students will, through the study in these courses, enhance their problem-solving skills, develop a healthy skepticism, learn how to ask better questions and develop skills in gathering and analyzing both descriptive and quantitative information.

Select one four-credit laboratory science course identified by the NATURAL SCIENCE designator (N).

### **III. The Non-Western Perspective Requirement**

Today's global village requires the responsible citizen to be aware of the values, languages, economies, religions and structures of other societies. Because most students are introduced to western societies throughout their education, Adrian College students are expected to learn about societies that are not historically European. In addition to the study of topics in specific non-western courses, students are encouraged to complete independent studies on non-western topics and to study abroad.

### **IV. Basic Educational Proficiencies**

Adrian College graduates are expected to be able to demonstrate effective writing, speaking, foreign language and compu-

tational skills upon graduation. Because these skills are so important to sound competence in these areas, students complete the required courses very early in their academic careers.

**A. Writing Skills - 4 hours**

(English 101) Virtually all professionals – whether in business, education, science or service – are expected to communicate effectively in writing. This English course, normally taken in the freshman year, is designed to provide students with the opportunity to develop and refine college-level writing skills.

**B. Public Speaking Skills - 3 hours**

(Communication Arts and Sciences 102) Professional success depends on the ability to communicate orally — both formally and informally, with other individuals or in large groups. Students are therefore required to take this beginning level course in oral communication, usually during one of the first three semesters of study.

**C. Language Skills - 8 hours**

(Modern Languages and Cultures) The College requires that students learn a second language to the novice level, so that they have basic language-learning skills and are confident of their ability to communicate with a native speaker in another language. Students must fulfill this requirement by taking two semesters of the same language if they start with a beginning level I course. A student who places into a level II course will satisfy the requirement by completing the course. A student who places into the third semester of a language has satisfied the foreign language skills requirement. Students placing into a 300-level course will be awarded 4 hours of credit for the level III course (MLC 223, 243, 263) at the completion of the 300-level course and having earned a grade of C or better. Students who have a language skill other than one of the above may take an examination to see if they meet the proficiency standard to test out of the two-semester language requirement. Students should contact the Department Chair, who will arrange for individual testing by a qualified examiner. The fee for individual testing is \$150.

**D. Fitness/Wellness Skills - 2 hours**

(Exercise Science 100) Physical health and wellness have historically been part of the ideal of a liberally educated person. Students will be introduced to the principles of fitness and wellness and will be encouraged to establish habits and skills that will enhance their quality of life.

**E. Mathematical Skills - 4 hours**

(Mathematics 100 or 101) Mathematical understanding is essential to success in virtually every area: the understanding of symmetry and proportion in art, harmonics in music, statistics in the social sciences and humanities, patterns in the sciences. Therefore all students are expected to demonstrate basic college-level competency. For some students, this is competency in college algebra, especially important for students who plan to pursue careers in business, the sciences and social sciences. For others, this may be demonstrated by proficiency in mathematics applications including statistics, pattern recognition and finance.

V. Sophomore-level Intensive Writing Course

In addition to English 101, students must complete a 200-level writing intensive course (3-4 credit hours) which may also count towards major or distributional requirements. The

purpose of the writing intensive course is to reinforce skills developed in the first year and to enable students to develop professional-level writing skills. It is generally expected that students will enroll in this course during their sophomore year. Since sections of courses rather than courses are designated as writing intensive, such courses will be listed in the class schedule book each semester.

VI. Graduation Major and Professional Certification Areas

A student must select at least one major area of study in any one of the following academic programs:

**A. Academic Majors:**

Accounting; Art; Arts Management; Athletic Training; Biology; Business Administration (including Management and Marketing); Chemistry; Communication Arts and Sciences (including Argumentation & Advocacy and Mass Mediated); Criminal Justice; Earth Science; Economics; English (including Journalism, Literature and Writing); Environmental Sciences; Environmental Studies; Exercise Science; French; German; History; Interior Design; International Business; International Studies; Japanese Studies; Mathematics; Music; Musical Theatre; Philosophy; Physical Education; Physics; Political Science; Psychology; Public Accounting; Religion; Social Work; Sociology; Spanish; Theatre.

A formal major declaration, which includes approval from the department chair (or chairs if two or majors are declared) must be submitted to the Registrar's Office by the second semester of the sophomore year. Limits on the number of department hours allowed to count toward graduation depend on major and degree chosen.

**B. Professional Certification Areas:**

Elementary Education, Secondary Education, K-12 Education.

**C. Individually Designed Major**

The Individually Designed Major must be designated during the first semester of the sophomore year for the associate's degree candidate, and not later than the second semester of the sophomore year for the baccalaureate degree candidate. In some instances an earlier decision may be necessary in order to meet all requirements within the normal length of the degree program.

**D. Three Minors:**

Students completing elementary certification in teacher education may elect to complete three teaching minors rather than a major to fulfill this graduation requirement.

**E. 46 Hour Limitation:**

No more than 46 hours in any department may count toward the 124 hours required for graduation, except under the Bachelor of Fine Arts, Bachelor of Social Work, Bachelor of Music, Bachelor of Music Education and Bachelor of Science degrees. Courses within the major or minor may not be used to satisfy requirements in other majors or minors. If an identical course is required in subsequent major(s) or in a minor, an alternate and appropriate course must be selected as a substitute or the requirement must be specifically waived by the department chair. Students may not receive multiple majors or minors within the same department;

## VII. Grade Point Average (GPA)

To be eligible for graduation, a student must receive a cumulative grade point average of C or 2.00, based on all course work completed at Adrian College or programs of study approved by the College.

To compute a student's grade point average for a single semester, the academic points earned are divided by the number of semester hours attempted as if no repeats were taken. To compute the cumulative grade point average, the total academic points earned are divided by the total number of semester hours attempted.

In computing the grade point average, all semester hours attempted will be included for which a student has received the grades A+, A, A-, B+, B, B-, C+, C, -C-, D+, D, D-, and F. No attempted hours will be counted for grades of NC, W or I unless the I is not made up within the time limit.

A student may improve the grade point average by repeating an Adrian College course in which the final grade was less than C and improving the grade.

A student receives 4.0 academic points per hour of course credit for a course in which a grade of A+ or A is earned, 3.7 points per credit hour for a grade of A-, 3.3 points for a B+, 3 points for a B, 2.7 points for a B-, 2.3 points for a C+, 2 points for a C, 1.7 points for a C-, 1.3 points for a D+, 1 point for a D, .7 for a D- and no points for grades of F, I, NC, or W.

## VIII. Residence Requirement

### **Baccalaureate Degree**

Graduation from Adrian College requires completion of the last 34 hours at the College or in programs approved by Adrian College. With the approval of the Registrar, a maximum of 10 hours of the last 34 hours may be taken elsewhere depending upon the number of hours previously earned in residence.

To qualify for approved off-campus programs, the student must have earned a minimum of 34 hours in residence.

### **Requirements for an Associate of Arts degree are:**

- I.** A total of 62 semester hours;
- II.** Distribution requirements of 16 semester hours; basic educational proficiency requirements of 9 semester hours and
- III.** One concentration area that must include at least two courses taken at Adrian College;
- IV.** A cumulative grade point average of C (2.00) and at least a C average in the concentration area;
- V.** Residence requirement of the last 17 semester hours (non-internship courses).

### **Distribution Requirements**

1. Arts or Humanities, 3 hours
2. Philosophy or Religion, 3 hours
3. Social Sciences, 3 hours
4. Natural and Physical Laboratory Sciences, 4 hours
5. Non-Western Perspective, 3 hours

### **Basic Educational Proficiencies**

1. Writing Skills, 4 hours (English 101)
2. Oral Communication Skills, 3 hours (Communication Arts & Sciences 102)
3. Fitness/Wellness Skills, 2 hours (Exercise Science 100)

## **Residence Requirement**

Graduation from Adrian College with an Associate of Arts degree requires completion of the last 17 hours at the College or in programs approved by Adrian College. With the approval of the Registrar, a maximum of five hours of the last 17 hours may be taken elsewhere.

## **Academic Policies**

### ***Academic Advising***

During the freshman year, academic advisors are assigned to all freshmen to monitor academic progress and help each student begin fulfilling distribution requirements. The advisor approves the student's schedule of classes each semester and assists in planning the degree program, but it is the student's responsibility to fulfill all graduation requirements.

The Registrar's Office maintains a progress report (degree audit) for each student who declares a major during the sophomore year. These reports indicate progress toward graduation and outline requirements to be completed in the student's major and degree program.

### ***Academic Status Review Committee***

The Academic Status Review Committee reviews student records at the conclusion of each semester. A student who is failing to make normal progress toward graduation may be warned, placed on academic probation, advised to withdraw or be suspended from Adrian College. This committee also reviews and acts on all academic petitions.

### ***Academic Petition***

Students may petition the Academic Status Review Committee for exceptions to rules concerning academic policies, procedures and graduation requirements due to extenuating circumstances. The committee will consider only those petitions that have first been reviewed by the academic advisor and that have been submitted far enough in advance that, if denied, the petitioner will have sufficient time for rescheduling or other appropriate action.

Senior petitions dealing with graduation requirements must be submitted prior to the last semester of attendance.

### ***Class Attendance***

Class attendance is an integral part of the educational experience. Individual instructors set the attendance requirements for their classes. The student is responsible for missed class work and for arranging with the instructor to make it up.

### ***Classification of Students***

To become a member in full standing of one of the three upper classes, a student must have earned, for: sophomore standing – 24 semester hours; junior standing – 54 semester hours; senior standing – 90 semester hours.

### ***Class Load***

Any student enrolled for 12 or more hours is considered a full-time student. Students may take up to 18 hours under normal tuition. Students who take more than 18 hours must pay an additional fee. Students who wish to take 20 hours must petition the Dean of Academic Affairs for approval prior to registration.

Students receiving Adrian College scholarships/grants must carry at least 12 hours to maintain eligibility. Athletes must be registered for 12 hours during the season of their sport to maintain eligibility. To receive state and federal assistance, students must carry at least six (6) hours, though benefits are prorated for fewer than 12 hours.

**Grades**

The grading system is as follows: A+, A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, NC, I and W. (A plus or minus attached to a grade indicates achievement slightly above or below the grade level as described below.)

**A** - indicates work of superior quality, showing originality, constructive thinking or special ability in handling the subject.

**B** - indicates work distinctly above average in quality and thoroughness and marks a maximum fulfillment of the requirements of the course.

**C** - indicates a faithful and creditable fulfillment of the requirements of the course to a minimum standard.

**D** - indicates barely passing work.

**F** - indicates failure.

**NC** - indicates no credit; applies only to English 101, MLC 180-181 and Math 099.

**I** - indicates incomplete work at the time the final grade is due. This grade is given only for absences from class or examination because of illness or other emergency during a considerable part of the semester or at the end of the semester and for laboratory experiments, internships or education field assignments scheduled for completion after the grading period. It is not given for work that is below passing or for failure to submit work on time through negligence. It is given only when the student intends to complete the course within the prescribed time limit. An "I" will be removed upon completion of the work specified by the instructor. All Incompletes must be resolved and reported to the Registrar's Office no later than the day on which final grades are due for the first regular semester following the assignment of the incomplete. Failure to remove the incomplete by the specified time will result in computing the grade of the work not completed as an F.

**W** - indicates withdrawal from class. This grade does not count in computing the grade point average and will not be accepted by the Registrar after 5 p.m. on the seventh class day after publication of mid-semester grades.

**Academic Progress Standards**

**Enrollment Probation Status for Full-Time Students**

Semesters Completed	1	2	3	4	5	6	7	8	9	10
Students are placed on enrollment probation status based on low grade point average if their cumulative GPA falls below the average listed:										
GPA:	1.4	1.6	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0

At the end of the spring semester, students are placed on enrollment probation status based on inadequate progress if they have not completed the number of credit hours listed:

Hours:	9	18	30	42	55	68	82	96	110	124
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**Students will be placed on warning:**

- A.** If the 1st semester cumulative GPA is 1.40 or above but less than 2.00.
- B.** If the 2nd semester cumulative GPA is 1.60 or above but less than 2.00.
- C.** If the 3rd semester cumulative GPA is 1.80 or above but less than 2.00.
- D.** If the semester GPA falls below probation level.

**Students will be placed on enrollment probation:**

- A.** If at the end of the first semester the cumulative GPA is less than 1.40 or the hours earned are less than 9.
- B.** If at the end of the second semester the cumulative GPA is less than 1.60.
- C.** If at the end of the third semester the cumulative GPA is less than 1.80.
- D.** If at the end of the fourth and subsequent semesters the Cumulative GPA is less than 2.00.
- E.** If by the end of each Spring semester the hours earned are less than those listed in the above table.

**Students will be suspended:**

- A.** If the semester following placement on Enrollment Probation Cumulative GPA or Hours Earned criteria listed in the chart are not met.
- B.** If any semester's GPA is less than 1.00.
- C.** If on Enrollment Probation for the third time.

Students who are suspended may apply for readmission after an absence of at least one semester. A second Suspension will result in dismissal from the College. Students who are dismissed are not eligible for readmission at any future date.

**Part-Time Students**

For part-time students, the number of Full-Time Equated Semesters (FTES) is determined by taking the sum of all hours attempted at the end of the drop-and-add period for each semester and dividing by 14. Part-time students are expected to satisfy the GPA standard for the number of semesters enrolled and the Hours Earned standard, using FTES to determine academic progress. Part-time students with less than one FTES are expected to complete 50 percent of the hours attempted.

**Transfer Students**

Transfer students will have their accepted transfer hours divided by 12 to determine the number of semesters enrolled for both standards stated above.

**Grade Change Policy**

Any grade change, other than makeup of an "I" (Incomplete), must be made within 30 calendar days of the first day of classes in the next regular semester. A grade change must be reported in writing by the instructor. All grade changes are subject to review by the Academic Status Review Committee.

**Grade Reports**

Final grades are available on-line in the student database to students and advisors. Mid-semester grades are also available on-line.

### ***Repeating Courses***

Only courses in which a student has earned a grade of C-, D+, D, D-, F or NC may be repeated. When a course is repeated, both grades will appear on the permanent record, with the second grade indicated as a “repeat.” To figure grade point average, the higher grade is selected. If the second grade is higher, the point differential between the old and the new grade is added to the cumulative points. The hours attempted for the repeat are not counted a second time. Courses must be repeated at Adrian College.

### ***Class Schedule Changes (Add, Drop, Withdraw)***

Newly admitted students or students returning from the previous semester must register for classes no later than the second day of the semester.

Students may add or drop classes from their semester course schedule during the first four days of the fall or spring semester. Forms for this purpose are available on-line at the Registrar’s Office webpage. The student’s academic advisor must sign the form to approve all added or dropped courses. The instructor’s signature is required for all added courses. The completed Schedule Change form must be returned to the Registrar’s Office no later than the fourth day of the fall or spring semester.

A student desiring to withdraw from a course after the add-and-drop period must obtain signatures of both the instructor and the academic advisor. When the signed form is returned to the Registrar’s office, a grade of W will be recorded on the permanent record. No withdrawal forms will be accepted by the Registrar’s Office after 5 p.m. on the seventh class day after publication of mid-semester grades. Students with severe illness or exceptional circumstances may petition the Academic Status Review Committee for late withdrawal.

### ***Scholastic Honors and Awards***

#### **Dean’s List**

The Dean’s List consists of full-time students whose grade point average (GPA) within a semester (at least 12 semester hours) is 3.50 or higher, and of part-time students who have averaged 3.50 or better for the last 12 semester hours of credit. Those part-time students who have been members before are eligible again once they have completed 12 semester hours since their prior listing. Semester hours earned during May and summer terms are not used in determining the Dean’s List.

#### **Graduation Honors**

Each student who has attained a 3.5 GPA at graduation will be entitled to the honor of cum laude; each student who has attained a 3.65 GPA will be entitled to the honor of magna cum laude; and each student who has attained a 3.80 GPA or above will be entitled to the honor of summa cum laude. In each case, the diploma will indicate the honor. All but the last full-time semester, or the equivalent, will be used to compute this average. Graduation honors will be determined based on all courses attempted at all institutions. Students must qualify for honors on both the combined grade point average and the Adrian only grade point average. The lower of the two GPAs will determine the level of honors.

To qualify for graduation honors, a student must complete at least 60 semester hours at Adrian College or approved

off-campus programs and must be a candidate for the baccalaureate degree.

### **Departmental Honors**

Departmental majors who have a 3.5 grade point average at the end of their junior year may write and present a project – thesis, portfolio or performance – in their senior year to be considered for departmental honors. The honors project will be directed by one or more faculty members from the student’s major department or two or more faculty members from different departments if the project is interdisciplinary. A student whose project is accepted by the department or departments will graduate with “departmental honors.”

### **Honors Ceremony**

The Honors Ceremony is held each spring to recognize students who have received special honors during the period from January to January. At this time, the list of students earning Scholastic Honors is published, and departmental and other awards are presented.

### **Honors Program**

Please see the departmental section of the catalog for details.

### **Scholastic Honors**

Scholastic Honors are awarded annually at the close of the first semester, based on all academic work between January and January; freshman, transfer and re-admitted student averages are based on grades in courses completed by the end of the first semester. The GPA required for Scholastic Honors is 3.75 to 4.0, and 3.5 to 3.74 for honorable mention. Eligibility for Scholastic Honors is based upon a minimum student load of 12 semester hours each for the fall and spring semesters.

Part-time students are eligible for Scholastic Honors upon completion of at least 12, 39, 72 and 107 semester hours of credit, maintaining the requisite GPA.

### **Scholarship Cup**

The Class of 1917 established the Scholarship Cup. Each year, based on grades from January to January, the full-time students having the highest academic averages have their names engraved upon the cup, thereby joining the ranks of outstanding Adrian College scholars. A small cup is presented to each winner.

### ***Student Records***

Information contained in student records kept by Adrian College administrative offices is classified as follows:

**Public Information.** This classification includes name, address, telephone number, dates of attendance, current enrollment status, courses elected, honors awarded and degree earned. Public information may be released without student consent upon request from an inquirer who has established identity and reasonable need for the information.

**Restricted Information.** This includes grades earned, financial arrangements between the student and the College and academic and disciplinary actions taken by appropriate

ate committees. Restricted information may be released to persons outside the College only with the student's written consent or under legal process. Such information may be released to authorized College personnel with the understanding that it will be used in an ethical and professional manner.

**Privileged Information.** All information obtained in confidence and having protected status under the law and common professional practice is considered privileged information. It may be released only upon written request of the student and with the written consent of the College office in custody of the information, or under legal process. A Student Consent to Release Educational Records form is available in the Registrar's Office.

### ***Summer Session***

Adrian College offers full opportunity for students to intensify or accelerate their studies during a four-week May term and a six-week summer term. The Schedule of Courses for these sessions is available at the Registrar's Office in late Spring.

### ***Transcripts***

Transcripts are released only when requested in writing by the student and are free of charge. Transcripts will not be released for students who have failed to meet their financial obligations to the College. All charges of violations of the Student Code of Conduct must be resolved and all judicial sanctions must be completed before a diploma is granted or a transcript of credit issued.

### ***Transfer Credit***

Transfer credit is awarded for courses that are substantially equivalent to Adrian College courses or that are considered by the College to be liberal arts courses and for which the student has earned grades of C (2.00) or better. Credits are accepted on a credit-for-credit basis: 3 quarter hours equal 2 semester hours. Grades for transfer courses do not count in the Adrian College cumulative grade point average. All grades received will be used to compute graduation honors. Grades received at another institution cannot be used to alter or remove Adrian College grade point deficiencies.

Transfer work from community, junior or two-year colleges does not count toward the required 30 hours of 300-400 level course work.

Transfer credit is accepted at the level at which it was earned at the institution of origin.

Students must successfully complete a minimum of 15 of the required 30 hours of 300-400 level credit at Adrian College.

No more than 30 semester hours of credit and 2 semester hours of physical education activity courses will be accepted for the associate's degree.

No more than a combined total of 90 semester hours of credit are allowed for transfer from two-year and four-year colleges for the baccalaureate degree. This total can include no more than 60 semester hours of credit from a two-year institution.

In order to complete a major at Adrian College, the lesser of 15 hours or 50 percent of the hours required by the department

must be satisfactorily completed at Adrian. In order to complete a minor at Adrian College, 50 percent of the hours required by the department need to be completed at Adrian College. Final determination of the maximum amount of transfer credit accepted toward a major will be made by the department chairperson. Acceptable credits beyond the maximum will be recorded as general transfer credit.

### ***Veteran Certification***

The Registrar's Office certifies veterans under the G.I. Bill and its extensions. Changes in enrollment status or current address must be reported to the Registrar's Office. Changes regarding dependents should be sent directly to the Veteran's Administration regional office in Detroit; forms for this purpose are available in the Registrar's Office.

A complete record of classes taken and grades received is maintained in the Registrar's Office. Degree audits are also available to assist with program planning and course scheduling. Veterans on repeated probation may be advised to change curricula, repeat specific courses or take remedial courses. The Registrar's office must notify the Veterans' Administration if a veteran fails a course and must report his or her class attendance record in that course. Failure to achieve normal progress toward graduation may result in loss of certification.

### ***Withdrawal from College***

Students who desire to withdraw from the College must follow the procedure outlined below.

If for any reason after you have registered for and attended classes, you are unable to continue in school, you must officially withdraw from the College and follow the procedure outlined below:

1. Students enrolled in five hours or less need to complete a schedule change form in the Registrar's Office. Students enrolled in six hours or more must follow steps 2-6 below.
2. Make an appointment with the counseling staff at the Caine Student Center for an exit interview. If they are unavailable, you are to make an appointment with a member of the Student Affairs staff.
3. At the time of the exit interview, you will be given a preliminary withdrawal form. You must then take this form to the Financial Aid Office, Business Office, Student Affairs Office and Registrar's Office.
4. You are to return the form to the Director of Counseling Services.
5. The Director of Counseling Services will send an official notice to all other appropriate areas with written notification verifying the official date of withdrawal for you.
6. The last date to withdraw from the regular fall and spring semesters is the Friday of the week preceding final exams. For more information, consult with the Registrar's Office. An on-line exit interview must be completed prior to release of an official transcript.

No student will be presumed to have officially withdrawn from the College until each of these steps has been completed in the order specified. Upon approved withdrawal from the Col-

lege, grades of W with the withdrawal date will be recorded for the semester's courses on the permanent record. Failure to follow the withdrawal procedure will result in recording grades of F on the permanent record.

## **Alternative Credit Programs**

### ***Advanced Placement and Advanced Credit***

Adrian is a participant in the Advanced Placement Program of the College Entrance Examination Board. The College allows up to 30 hours of advanced placement credit. A score of 4 or 5 on an advanced placement examination automatically qualifies a student for advanced placement and advanced credit.

Credit may also be granted for scores of 6 or 7 on the International Baccalaureate Program, with possible credit for a 5, depending upon the recommendation of the appropriate academic department. Combined Advanced Placement and International Baccalaureate credit may not exceed 30 hours.

Students placing into a 300-level foreign language course on the campus administered placement examination will be awarded 4 hours of credit for the Level III course (MLC 223, 243, or 263) at the completion of the 300-level course with a grade of C or better.

The Mathematics Department awards 4 hours of credit for Math 135 to students who place in 205 and receive a grade of B- or higher in the course. In addition, students may be placed, without advanced credit, in higher level courses in biology, communication arts and sciences and mathematics.

### ***College Level Examination Program (CLEP)***

The College Level Examination Program gives students the opportunity to validate and receive credit for college-level knowledge they already possess. CLEP examinations, administered by the College Entrance Examination Board, have been developed for this purpose. In recognition that students should receive college credit for proven college-level proficiency, Adrian will award college credit for examinations in Composition, Algebra, and Social Sciences and History. A maximum of 12 semester hours of credit toward graduation will be awarded. Four semester hours of credit will be awarded for each of these exams in which the student achieves a score at or above the fiftieth percentile. Individuals interested in obtaining College Level Examination Program credit should confer with the Coordinator for Nontraditional Students in the Admissions office. All applications for CLEP credit should be referred to the Registrar, along with an official copy of test scores.

### ***Proficiency Examination Program (PEP)***

The ACT Proficiency Examination Program consists of 47 examinations designed for the recognition of learning acquired outside the classroom. The PEP examinations are available in the areas of arts and sciences, business, criminal justice, education, health and nursing. Each is designed to measure knowledge and competence gained through work experience.

Individuals interested in obtaining PEP credit should contact the Coordinator for Nontraditional Students for information about participating departments, required test scores and approved credits.

## ***Advanced Placement (AP) Credit***

Subject Examination	Score	AC Equiv.	Awarded
Art History	4 or 5	AHIS 211, 212	6 S.H.
Art Studio – Drwg. Port	4 or 5	ART 103	3 S.H.
Art Studio - 3D Port	4 or 5	ART 100	3 S.H.
Art Studio - 2D Port	4 or 5	ART 101	3 S.H.
Biology	4 or 5	BIOL 103,104	8 S.H.
Chemistry	4 or 5	CHEM 103,104	8 S.H.
Economics - Macro	4 or 5	ECON 202	4 S.H.
Economics - Micro	4 or 5	ECON 201	4 S.H.
English Composition or English Literature	4 or 5	ENGL 101	4 S.H.
French Language	4, 5	MLC 121,122	4-8 S.H.
German Language	4, 5	MLC 141,142	4-8 S.H.
Gov't & Politics/U.S.	4 or 5	PSCI 101	4 S.H.
Gov't & Politics/Comp.	4 or 5	PSCI (comp.)	4 S.H.
History, American	4, 5	HIST 105,106	4-8 S.H.
History, European	4, 5	HIST 103,104	4-8 S.H.
Math- Calculus AB	4 or 5	MATH 135	4 S.H.
Math- Calculus BC	4 or 5	MATH 135,205	8 S.H.
Mathematics Statistics	4 or 5	MATH 204	3 S.H.
Music Theory	4, 5	MUS 101,102	3-6 S.H.
Music Listening & Lit.	5	MUS107	3 S.H.
Physics B	4, 5	PHYS 101,102	3-6 S.H.
Physics C: Mechanics	4, 5	PHYS 205	3 S.H.
Physics C: Electr/Magn.	4, 5	PHYS 206	3 S.H.
Psychology	4 or 5	PSYC 100	3 S.H.
Spanish Language	4, 5	MLC 161,162	4-8 S.H.

### ***Life Learning Experience Credit (LLE)***

Life Learning Experience credit may be granted upon evaluation of accomplishments and experiences not ordinarily considered part of the traditional academic study. These activities may include, but are not limited to, professional experiences in business, industry or the community; supervision of volunteer activities; foreign language skills gained through travel; apprenticeship positions. All such experiences must be shown to relate to educational goals and will be evaluated in terms of their contribution to learning.

Briefly, the procedural steps to be followed in applying for LLE credit are:

1. complete the Application for Admission to the Life Learning Program in consultation with the Coordinator for Nontraditional Students;

2. review the application with the coordinator and the appropriate department chairperson(s) to identify those experiences that are appropriate to present for credit;
3. assemble a portfolio of detailed information to support the application for credit;
4. present the portfolio and defend the credit request in an interview before the Life Learning Experience Assessment Committee.

To qualify for LLE credit, the applicant must be at least 21 years of age and a registered Adrian College student who has completed at least one semester or who is returning after an interruption of at least two years.

Persons interested in the LLE program should contact the Coordinator for Nontraditional Students for application materials and cost information.

### ***Nontraditional Credit Limitations***

Acceptance of non-traditional credit is limited as follows:

1. Advanced Placement, International Baccalaureate Program, CLEP, PEP – 15 semester hours for an associate’s degree and 30 semester hours for a baccalaureate degree;
2. LLE – 15 semester hours for an associate’s degree and 30 semester hours for a baccalaureate degree;
3. Armed Forces Credit – 10 semester hours for an associate’s degree and 20 semester hours for a baccalaureate degree.

### ***Guest Student Status***

Students who desire to attend another institution as a guest student must complete a Michigan Uniform Undergraduate Guest Application form (or provide a list of classes to be taken in a state other than Michigan) to the Registrar for approval. The Michigan form is available on-line.

Official transcripts must be received by Adrian College from the host institution before courses can be entered on the student’s permanent record.

## **Special Academic Programs**

### ***Honors Program***

The honors program at Adrian College was established to attract, stimulate and retain highly motivated students of proven ability. Each semester, through cooperating departments, an intellectually challenging course of broad general interest is offered to freshman honors program participants and another to upper class participants. The honors program is a College-wide program for qualified freshman through senior students. It does not duplicate or compete with honors designations (cum laude, magna cum laude, summa cum laude) awarded at graduation or with departmental honors programs. Graduation from the honors program will be noted on the student’s transcript and diploma.

Information about courses and requirements is included in the departmental section of the catalog.

### ***Individually Designed Major (IDM)***

The individually designed major provides an option for students whose academic and career goals are better served by an interdepartmental program of study than by a traditional major or majors. The IDM must include courses from at least two de-

partments, totalling at least 33 and not more than 46 semester hours. At least 18 of the required hours must be selected from one department.

A student interested in the IDM program must consult with appropriate department chairpersons at or near the beginning of their sophomore year to design a specific proposal. IDM proposals must be approved by the Academic Status Review Committee prior to registration for the second semester of the sophomore year. Proposal forms are available in the Registrar’s Office. The approved IDM, including course requirements, must be filed with the registrar, who must be notified of any changes in the program requirements.

### ***International/Intercultural Opportunities***

American students are encouraged to become acquainted with international students in attendance at the College.

Information on international/intercultural programs is available from the study abroad advisor or the chairpersons of the departments of foreign languages, history, accountancy/business administration, sociology/criminal justice/human services or political science.

## **Off-Campus and Cooperative Programs**

To qualify for approved off-campus programs, a student must have earned a minimum of 34 semester hours in residence at Adrian College and may not have an outstanding balance on his or her Adrian College account. These programs vary in cost and travel expenses. The student must pay tuition often before Adrian’s normal charges are due. The student pays the greater tuition at Adrian College or the host institution’s tuition. The student should also check with the College’s Financial Services Office prior to registering for any program, as scholarships and grants do not necessarily cover programs off campus, including study abroad.

## **Study Abroad Affiliations and Exchange Programs**

To initiate the study abroad process, the student must contact the Study Abroad Director in the Study Abroad Office, 131 Valade Hall. Students who study abroad through one of Adrian College’s affiliate or exchange programs remain enrolled at Adrian College and are eligible for financial aid. Credits earned on any of these programs are applied to the bachelor’s degree from Adrian College. Grades received on these programs will show on the student’s permanent record and will be factored into the cumulative grade point average. Students may participate in these programs for one or two semesters during the regular school year and during May and Summer terms.

As of this printing, Adrian College has formal affiliation or exchange agreements with the following study abroad programs:

### ***American Institute for Foreign Study (AIFS)***

Sites include Argentina, Australia, Austria, China, Czech Republic, England, France, Hungary, India, Ireland, Italy, Russia, South Africa, and Spain.

### ***American Junior Year at Heidelberg***

Site in Heidelberg, Germany.

### ***AsiaLearn***

Sites in China, Hong Kong, Malaysia, Singapore, and South Korea.

### ***AustraLearn***

Sites in Australia and New Zealand.

### ***Business Education Initiative (BEI)***

A junior year exchange program with various colleges and universities in Northern Ireland.

### ***Central College Abroad***

Sites in Austria, China, England, France, Mexico, the Netherlands, Spain, and Wales.

### ***College Year in Athens***

Site in Athens, Greece.

### ***Freie Universitat Berlin (FUBIS)***

Site in Berlin, Germany.

### ***International Studies Abroad (ISA)***

Sites in Argentina, Belgium, Chile, Costa Rica, Czech Republic, Dominican Republic, England, France, Italy, Mexico, Morocco, Peru, and Spain.

### ***Kansai Gaidai University***

Site is Kansai University in Osaka, Japan.

### ***Oxford Study Abroad Program (OSAP)***

Site is Oxford, England.

### ***Universite de Laval***

Site in Quebec, Canada.

### ***University of Newcastle***

Site in New South Wales, Australia.

### ***University Studies Abroad Consortium (USAC)***

Sites in Australia, Chile, China, Costa Rica, Czech Republic, Denmark, England, France, Germany, Ghana, India, Ireland, Israel, Italy, Japan, Malta, Mexico, Netherlands, New Zealand, Norway, Scotland, South Korea, Spain, and Sweden.

### ***Yonsei University***

Exchange program with Yonsei University in Seoul, South Korea.

## **Pre-Professional and Related Programs**

The liberal arts education offered at Adrian College serves as a foundation for many careers. Students looking forward to professional or related careers are encouraged to complete a baccalaureate degree before beginning advanced study. Often, however, students may be admitted to a professional school by the end of their junior year or may be required to complete their senior year at an accredited hospital or other facility. To qualify, students must:

1. Complete 124 hours of academic credit or its equivalent, 90 hours of which must be earned at, or accepted by, Adrian College;
2. Satisfy the College distribution and educational proficiency

requirements prior to leaving Adrian College;

3. Complete courses specified for a departmental major, unless a different arrangement is approved in writing;
4. Apply to the registrar for the deferred baccalaureate privilege, presenting evidence of admission to a professional school or related training.

Generally, students enrolling in pre-professional and related programs must exhibit grades or other indications promising successful advanced study. In doubtful cases, the registrar may require endorsement of particular applications or programs by the Academic Status Review Committee.

### ***Pre-Architecture Program***

Adrian College has established a cooperative 3-1 dual degree program with Washington University in St. Louis. Under the agreement, the student spends three years at Adrian College for basic studies in design science, mathematics and liberal arts followed by 1 year at Washington for specialized study in architecture. It is possible upon completion to continue at Washington University in the Masters of Architecture program. This program requires three years.

All pre-architecture students will complete the following course work: History 103 and 104; Math 135; Physics 101; Art 100, 101; INTD 118, 120, 207, 219, 221, 223, 323, 325, 326, 327,351; AHIS, 270, 271.

All dual degree students must complete the Adrian College requirements listed on page 66.

Advisor: Nancy Van Over.

### ***Pre-Art Therapy Program***

To practice art therapy professionally, students must receive a Masters of Art Therapy degree (MAT). Students who contemplate pursuing this specialized graduate training are advised to complete the following course of study, developed in accordance with The American Art Therapy Association:

1. A major in Art or Psychology with special attention to development of a sophisticated portfolio which shows competence in a wide variety of media.
2. Art majors: Psychology 100, 205, 303, 304 and 311.
3. Psychology majors: Art 100, 101, 103, 201, 205, 301, 303, 305, with at least 6 credits of 351 in one medium.
4. Completion of an internship of at least 3 hours with a registered Art Therapist.

Advisor: Catherine Royer

### ***Pre-Engineering Program***

In order to meet the nation's need for competent engineers with a broad background in the liberal arts, Adrian College has established cooperative 3-2 dual-degree programs with Washington University (St. Louis) and the University of Detroit. Under these programs agreement, the student spends three years at Adrian College for basic studies in the sciences, mathematics, humanities and social sciences, followed by two years at one of the two universities for specialized studies in engineering. Upon completion of the five-year program, the student is awarded a B.A. or B.S. degree from Adrian College and a B.S. in engineering from the university. Students interested in the 3-2 program should contact the program liaison at either the University of

Detroit or Washington University as soon as possible to receive advice regarding preparation for engineering specialties.

Adrian College students may instead choose to complete a dual-degree program with one of the other leading engineering schools in the Midwest. However, these programs often require more than two years of study at the engineering school and, therefore, are not formalized as 3-2 programs. These engineering schools include the University of Michigan, Michigan State University, Michigan Technological University and Ohio State University, among others.

It is also possible to complete the basic pre-engineering curriculum in two years, enabling students to transfer into the third year of the program at an engineering school. These students earn a B.S. degree in engineering, but no degree from Adrian College. Students should consult the pre-engineering advisor in planning this program.

All pre-engineering students will complete the following courses: Mathematics 135, 205, 215 and 305; Physics 205, 206, 209 and 210; Chemistry 103 and 104; English 101; and a writing intensive course. Mathematics 303 is also recommended. Students planning to transfer after two years should complete 12-16 semester hours in humanities and social science electives. All dual-degree students must complete the Adrian College graduation requirements listed on page 66.

Advisor: Levon Yoder

### ***Pre-Law Program***

Adrian College offers a pre-law program for students who plan to attend law school and pursue a career as a lawyer. It is generally agreed that future lawyers need to be very broadly educated and that there is no one pattern of undergraduate preparation which is ideal for everyone who is interested in law. Each student should select a major or majors which will encourage development of orderly work habits and which will sharpen the ability to think, to reason and to state ideas clearly. Students are encouraged to meet early in their undergraduate careers with the director of the pre-law program so they can craft a course plan that best meets their needs, as well as find out about other resources available to pre-law students. The individual attention provided by our program assures that students will be acquainted with some extremely important basic concepts that will be helpful in law school while allowing them maximum flexibility to select the rest of their studies on the basis of their personal interests and aptitudes.

#### **Recommended courses for all pre-law students include:**

Political Science 101, American National Government (4)  
Communication 300, Argumentation and Debate (3)

#### **Recommended courses for students interested in business law include:**

Accounting/Business Administration 203, Principles of Accounting I (3)  
Accounting/Business Administration 204, Principles of Accounting II (3)

Advisor: David Coy

### ***Pre-Seminary Program (Pre-Ministry)***

Adrian College offers a pre-seminary program for students who intend to pursue a vocation in ministry. We understand

ministry to have many expressions from pastoral leadership to social advocacy, teaching, youth ministry, music ministry, counseling, journalism, mission work, and other forms of service. The program is designed to prepare individuals to enter accredited seminaries or graduate programs and has an excellent record of placing students in the programs of their choice.

Preparation for ministry was a part of Adrian College from its beginning in 1859. The "Theological Association of Adrian College" began in 1869 as a forum for those exploring a call to ministry. The College even developed its own school of theology during the late 19th century but eventually placed this emphasis within its wider undergraduate offerings. After World War I the theological association adopted the name "Major Cole Association," in honor of a popular Christian speaker who served as a mentor for Adrian College students. Recently the Adrian College pre-seminary program has been redeveloped around a vibrant student organization. This student group serves three purposes: (1) to meet regularly for mutual support and discussion regarding issues of call, (2) to provide a place for engaging visiting seminary representatives and others with wisdom regarding different church vocations, and (3) to attend retreats and events that help students wrestle with God's call to ministry. The Adrian College pre-seminary program and its accompanying student organization have received national attention as a model of vocational discernment and support.

The pre-seminary program has a special relationship with the philosophy/religion department of the College, and many of our pre-seminary students are philosophy or religion majors or minors. Yet several members of the student organization pursue majors in other academic areas. The pre-seminary program and student group welcome people of all denominations.

Advisors: Christopher Momany and Melissa Stewart

### ***Pre-Health Science Program (Dentistry, Medicine, Optometry, Podiatry, Physician's Assistant, Pharmacy)***

Pre-health science programs usually require four years of preparation, culminating in the baccalaureate degree. Occasionally, requirements of professional schools in these fields may be satisfied with three years of undergraduate work. Students in these programs may elect majors in any field, but are encouraged to select a major in one of the physical or natural sciences. Students should confer with the pre-health science advisor before their junior year for specific information and assistance in preparing for admission to professional school.

All students planning careers in one of these health-related occupations should complete the following courses, which are minimal requirements for acceptance into many professional schools: Biology 103, 104, 221, 223; Chemistry 103, 104, 311, 312, 313, 314; Physics 101, 102, 103, 104; Mathematics 115, 135 and one year of English. Courses in ethics, psychology and sociology are helpful and/or required in preparing for careers in the health sciences. Students are encouraged to gain skills in speed reading and reading comprehension.

Failure to follow the above coursework will not preclude application to dental, medical, optometry or podiatry schools but may adversely affect the success of such applications. Students should consult the catalogs of schools in which they are interested for specific admission requirements.

Advisor: Janet Salzwedel

### ***Medical Technology Program***

Students may elect either to complete a four-year degree at Adrian, followed by a year's internship at any U.S. hospital having an accredited medical technology internship program, or to complete a 3+1 program, with three years of pre-clinical studies at Adrian followed by an internship at a hospital affiliated with Adrian's medical technology program.

Advisor: Janet Salzwedel

## **Academic Lectureships**

Lectureships bring outstanding speakers from many areas to campus and add flavor and depth to the academic program. Adrian's lecture program encompasses the entire College. Endowed lectureships include:

### ***The Dawson Lectureship***

Funded by the John H. Dawson, Virginia Bates Dawson and Marsha Dawson Nelson Endowment Fund, this lectureship is designated for use by the teacher education department.

### ***John Davis Modern American History Lectureship***

Dr. Davis, professor emeritus, served the College's history department from 1961-1985. Upon his retirement, colleagues and friends established this fund.

### ***Edward C. DeMeritt Lectureship in Social Sciences***

This lectureship is funded from the estate of Mr. DeMeritt, a Lenawee County businessman, investor and friend of the College.

### ***Charles and Lena Beem Gillilan Lectureship in Business Administration***

This prominent program was made possible by a bequest from Mr. Gillilan, a successful businessman in the rubber industry. Lena Beem Gillilan graduated from Adrian College in 1909. The lectureship brings to campus leading authorities in American free enterprise.

### ***Allen L. Goldsmith Lectureship in Science***

The Goldsmith Lectureship was funded by gifts from the family and friends of the late Mr. Goldsmith, distinguished Adrian industrialist and trustee of the College.

### ***Edward and Mildred Meese Lectureship in Religion and Philosophy***

This program was made possible by a gift from the estate of Mr. and Mrs. Meese of Lansing. Mr. Meese was an Associated Press telegrapher.

### ***Mary A. Merritt Lectureship***

Mary A. Merritt attended Adrian College from 1874 to 1878. On the 100th anniversary of her entry at Adrian, this lectureship was established in her name, in remembrance of the courage and high purpose that characterized her throughout her long life. Established by Anne Wood Murray of Washington, D.C., the lectureship sponsors guest lectures in English and poetry.

### ***Genevieve R. Oliver Lectureship in Art***

This lectureship is funded from the estate of Mrs. Oliver, late owner of the Oliver Instrument Company of Adrian.

### ***Mildred A. Smith Lectureship in the Humanities***

This program is funded by a bequest from the estate of Mrs. Smith of Adrian.

### ***J. Mabel Stephenson Memorial Lectureship***

Funded by a gift from the family, this lectureship enables the College to benefit from the presence of outstanding individuals who are active leaders in the cause of Christian missions.

## **Courses of Instruction**

The courses of study that follow are listed alphabetically by departments.

A three-digit system is used for numbering courses. The first digit indicates the level of the course.

**080-099** Basic skill courses – the hours count toward semester load and grade point average but do not count toward graduation.

**100** Introductory courses.

**200** Second-level courses – these often have prerequisites, including introductory work or sophomore standing.

**300** Advanced courses – these are designed for major programs and for election by students who have completed the prerequisites specified in course descriptions.

**400** Advanced or senior level course – these are usually research, seminar or independent study courses.

The use of a comma between course numbers indicates a definite sequence, but completion of the second semester is not required in order to obtain credit for the first. Example: Art 101, 102.

The numbers in parentheses following the name of a course indicate the semester hours of credit. For example, (3, 3) indicates three hours of credit each semester.

Students planning to teach in elementary or secondary schools should refer to the Teacher Education section of this catalog to determine requirements for certification. It is recommended that these students confer with the chairperson of the department of teacher education.

The following words in parentheses after some course titles identify courses that may be applied to distribution or educational proficiency requirements:

(ARTS) Arts  
(HUMANITIES) Humanities  
(RELIGION/PHILOSOPHY) Religion, Philosophy  
(SOCIAL SCIENCE) Social Science  
(NATURAL SCIENCE) Natural and Physical Science  
(NON-WESTERN) Non-Western  
(COMMUNICATION) Oral Communication Skills  
(LANGUAGE) Foreign Language Skills  
(FITNESS DEVELOPMENT) Fitness Development Skills

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change;

students should confirm semester offerings with the department when planning degree programs.

### ***Special and Advanced Courses***

Five courses are consistent in their numbering throughout the departments. These appear at the end of each department's listing, under the heading Special and Advanced Courses.

**199.** Exploratory Internships (1-3). Apply through the Career Center. See pages 61-62 for additional information.

**299.** Experimental Courses (1-3). Courses offered on a trial basis and intended for freshmen and sophomores.

**399.** Professional Internships (1-12). Apply through the Career Center. See pages 61-62 for additional information.

**451.** Independent Study (1-3). Individual research projects elected in consultation with department chairpersons. Restricted to qualified upperclass students.

**499.** Advanced Experimental Courses (1-3). Courses offered on a trial basis and intended for juniors and seniors.

**100-498 I.S.** - Individual Study (1-4). Regularly titled courses offered on an individual basis to a student who is unable to take a course at a regularly scheduled time.

### **Accountancy/Business Administration**

Adrian College offers a Bachelor of Business Administration degree in the areas of accountancy and business administration. Bachelor of Arts degrees are available in business administration and international business. The Bachelor of Science degree in Public Accounting is offered for those students planning to seek certification as a Public Accountant. An Associate of Arts degree in business administration is also offered. All programs of instruction include a basic core of business courses, plus cognate study in economics, computer applications and mathematics.

The Bachelor of Arts curriculum includes courses which afford an introduction to the various areas of business, including accounting. The Bachelor of Business Administration requires more hours but permits greater specialization, including the majors of accountancy, business administration with emphasis in management, and business administration with emphasis in marketing.

All degree programs stress the decision-making approach to accounting and business administration. Emphasis is placed on the development of skills which augment personal and career growth, as well as those necessary to perform in entry-level positions. Such skills include the ability to think logically, analyze objectively and communicate clearly.

All major programs except for International Business include the following Core and Cognate courses:

#### ***Business Major Core (24 hours)***

ACCT 203 Principles of Accounting I (3)  
ACCT 204 Principles of Accounting II (3)

ACCT 305 Business Law I (3)  
B AD 230 Marketing (3)  
B AD 241 Management (3)  
B AD 242 Business & Prof. Comm. (3)  
B AD 320 Managerial Finance (3)  
B AD 449 Business Policy (3)

#### ***Business Major Cognates (17-18 credit hours)***

MATH 104 Finite Mathematics  
or MATH 115 (or higher) Pre-Calculus Math (3-4)  
CIS 140 Business Applications  
for Computers (3)  
ECON 201 Principles of  
Microeconomics (4)  
ECON 202 Principles of  
Macroeconomics (4)  
MATH 204 Elementary Statistics  
or MATH 314 Mathematical Prob. &  
Statistics (3)

#### ***Major Program Requirements***

Bachelor of Business Administration in Accounting (48 hours of Accountancy and Business Administration courses and 17-18 hours of cognates)

**Business Major Core (24 hours - see above)**

**Business Major Cognates (17-18 hours - see above)**

#### **B.B.A. in Accounting Core (15 hours)**

ACCT 301 Intermediate Accounting I (3)  
ACCT 302 Intermediate Accounting II (3)  
ACCT 311 Managerial Cost Accounting (3)  
ACCT 313 Federal Income Tax Accounting (3)  
ACCT 412 Auditing (3)

#### **B.B.A. in Accounting Electives (9 hours)**

9 semester hours of electives from accounting or business courses or from courses in other departments approved for accounting credit.

The emphasis can be on preparation for public accounting, private accounting or accounting for governmental and non-profit organizations.

#### Bachelor of Science in Public Accounting

(48 hours of Accountancy and Business Administration courses, 13 hours of Public Accounting electives, and 17-18 hours of cognates)

To receive the Bachelor of Science in Public Accounting students must complete at least 150 undergraduate hours (instead of the 124 hours required for other degrees), including the following courses:

**Business Major Core (24 hours - see above)**

**Business Major Cognates (17-18 hours - see above)**

**B.S. in Public Accounting Core (24 hours)**

- ACCT 301 Intermediate Accounting I (3)
- ACCT 302 Intermediate Accounting II (3)
- ACCT 311 Managerial Cost Accounting (3)
- ACCT 313 Federal Income Tax Accounting (3)
- ACCT 412 Auditing (3)
- ACCT 414 Financial Information Systems (3)
- ACCT 416 Advanced Accounting (3)
- B AD 346 Social and Political Issues in Business (3)

**B.S. in Public Accounting Electives (13 hours)**

13 semester hours of electives from accounting or business courses or from courses in other departments approved for accounting credit.

The emphasis can be on preparation for public accounting, private accounting or accounting for governmental and non-profit organizations.

**CPA Examination and Licensure. Upon graduation,**

Adrian College accounting graduates with the Bachelor of Science in Public Accounting are eligible to take the Uniform Certified Public Accounting Examination in all jurisdictions throughout the United States, assuming residency and employment requirements are met. Graduates receiving either a B.S. or B.B.A. in Accounting are eligible to take the examination in Michigan, but B.B.A. students will need to obtain additional credit hours to reach the 150 hours required for licensure as a CPA in Michigan.

Bachelor of Business Administration in Marketing

(48 hours of Accountancy and Business Administration courses and 17-18 hours of cognates)

**Business Major Core (24 hours - see above)****Business Major Cognates (17-18 hours - see above)****Marketing Electives (15 hours)**

- 15 hours from these courses:
- B AD 331 Marketing Research (3)
  - B AD 332 Consumer Behavior (3)
  - B AD 333 Advertising & Promotions Management (3)
  - B AD 334 Retailing (3)
  - B AD 335 Sales Management (3)
  - B AD 337 International Marketing (3)
  - B AD 439 Marketing Management (3)

**Accountancy/Business Administration Electives (9 hours)**

9 semester hours of electives from accounting or business courses or from courses in other departments approved for accounting credit.

The marketing emphasis prepares students for careers in such areas as retailing, industrial marketing, distribution, advertising, sales, and research.

Bachelor of Business Administration in Management

(48 hours of Accountancy and Business Administration courses and 17-18 hours of cognates)

**Business Major Core (24 hours - see above)****Business Major Cognates (17-18 hours - see above)****Management Core (3 hours)**

- B AD 344 Human Resource Management (3)

**Management Electives (12 hours)**

12 hours from these courses:

- ACCT 311 Managerial Cost Accounting (3)
- ECON 317 Collective Bargaining & Labor Problems (4)
- B AD 335 Sales Management (3)
- B AD 342 Inform. Tech. & Project Management (3)
- B AD 343 Production & Operations Management (3)
- B AD 346 Social & Political Issues in Business (3)
- B AD 347 Management of Multinational Firms (3)
- B AD 348 Industrial/Organizational Psychology (3)
- B AD 443 Supply Chain Management (3)

**Accountancy/Business Administration Electives (9 hours)**

9 semester hours of electives from accounting or business courses or from courses in other departments approved for accounting credit.

The management emphasis prepares students for careers in general management, financial management, human resource management, production management, small business management, international business or specialized business fields.

Bachelor of Arts in Business Administration

(33 hours in Accountancy/Business Administration and 17-18 hours of cognates)

**Business Major Core (24 hours - see above)****Business Major Cognates (17-18 hours - see above)****Accountancy/Business Electives (9 hours)**

9 hours of electives from accounting or business courses

The Bachelor of Arts in International Business (27 hours in Business/Accountancy and 36 hours of cognates)

**International Business Core (27 hours)**

- ACCT 203 Principles of Accounting I (3)
- ACCT 204 Principles of Accounting II (3)
- ACCT 305 Business Law (3)
- B AD 230 Marketing (3)
- B AD 241 Management (3)
- B AD 320 Managerial Finance (3)
- B AD 337 International Marketing (3)
- B AD 347 Management of Multinational Firms (3)
- B AD 449 Business Policy (3)

### **Cognate Core (28 hours)**

ECON 201	Principles of Microeconomics (4)
ECON 202	Principles of Macroeconomics (4)
MATH 104	Finite Mathematics (3)
MATH 204	Statistics (3)
CIS 140	Business Applications for Computers (3)
ERTH 104	Regional Geography (3)
MLC 223/243/263	French III, German III or Span III (4)
MLC 224/244/267	French IV, Germ IV or Bus. Span (4)

### **Cognate electives (8 hours)**

Two courses from two departments selected from the following: ECON 319; HIST 101, 102, 203, 213, 221, 239, 305, 320, 332; PSCI 315, 328; SOC 208

In addition to the minimum requirements specified, international business majors are encouraged to take additional courses in one functional area of business (marketing, management or accounting) and to spend a summer or semester abroad in a foreign business internship or foreign language study program.

The International Business Major prepares future business persons and entrepreneurs for careers in international trade and business. The interdisciplinary program provides business training along with an understanding and appreciation of the cultural and environmental variables within which international business operates.

### **Minor and Associate Program Requirements**

The Associate of Arts degree in Business requires a minimum of 27 semester hours including ACCT 203, 204, BAD 230, 241, CIS 140 and 12 additional hours of electives in accounting or business.

Students minoring in business administration will complete Accounting 203 and 204, Business 230 and 241 and 9 semester hours of electives in accounting or business courses.

In addition to the following, courses in other departments may be approved for credit toward the degree in business administration. These other courses include Economics 301, 310, 317, 318 and 321.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

### **Accountancy**

**203.** Principles of Accounting I (3). An introduction to financial accounting, with emphasis on sole proprietorships. Topics include journalizing and posting transactions, adjustments, financial statement preparation, current assets, plant and equipment, and liabilities. (Prerequisite: Math 101 or Math Placement Examination.) Fall.

**204.** Principles of Accounting II (3). A continuation of financial accounting with emphasis on corporations, including an introduction to cost accounting, the budgeting and accounting concepts involved in managerial decision-making, and a brief introduction to federal income taxation. (Prerequisite: Accounting 203.) Spring.

**301, 302.** Intermediate Accounting I, II (3,3). A detailed study of financial accounting and statement presentation, including the application of accounting theory, standards, principles and procedures to financial accounting problems. This is a central course sequence for accountancy majors, also open to non-majors seeking more detailed study of financial accounting. (Prerequisite: Accounting 204 for 301; 301 for 302.) Fall, spring.

**305.** Business Law I (3). Review of the nature of law, legal procedure, the judicial system and crimes and torts; a study of contracts, forms of agreement and performance, and the discharge and enforceability of contractual arrangements; analysis of sales of goods and other transactions under the Uniform Commercial Code, including the rights of customers, dealers, managers and the public. (Prerequisite: junior standing or departmental permission.) Fall, spring.

**306.** Business Law II (3). Legal problems of business enterprises, including employer-employee relationships, principals and agents, partnerships and corporations, and government regulation of business; creditors' and debtors rights; and real and personal property laws. (Prerequisite: Accounting 305.) Offered occasionally.

**311.** Managerial Cost Accounting (3). Coverage includes the cost accounting cycle, job order, process and standard cost systems; by-products and joint-products; direct costing; and profit planning. (Prerequisite: Accounting 204.) Spring.

**313.** Federal Income Tax Accounting (3). A detailed study of federal income taxation at individual levels, including sole proprietorship, with some discussion of tax planning and research. (Prerequisite: Accounting 204 or instructor's permission.) Fall.

**318.** Accounting for Governmental and Non-Profit Organizations (3). Specialized accounting for non-profit organizations, including state and local government units and institutions such as colleges and hospitals. (Prerequisite: Accounting 302 or concurrent enrollment in 302, or permission of instructor.) Offered as needed, including some May terms.

**350.** Topics in Accountancy (3). In-depth theoretical and practical coverage of accounting concepts in a specialized area, with emphasis on use of the conceptual knowledge in planning and problem solving. Topics may include but are not limited to: advanced cost accounting, current issues involving ethics, health care accounting and corporate controllership. May be repeated with a different topic. (Prerequisite: instructor's written permission.) Offered as needed.

**412.** Auditing (3). Auditing principles, concepts, procedures, standards, opinions and reports; ethics of the profession; and sampling techniques. (Prerequisite: Accounting 302 and 414.) Fall.

**413.** Advanced Tax Accounting (3). The federal tax laws

related to corporations, estates and trusts, as well as federal estate and gift taxes. A portion of the course is devoted to state and local taxes. The emphasis in the course is on tax research. (Prerequisite: Accounting 313.) Offered as needed.

**414. Financial Information Systems (3).** The concepts behind the design of accounting systems for determination of profitability, including responsibility accounting and control features in both manual and computerized systems. Emphasis is on the design of a responsive financial information system. (Prerequisites: Accounting 301 and Computer Information Systems 140.) Spring.

**416. Advanced Accounting (3).** The emphasis is on business combinations and consolidated financial statements, with some consideration given to other complex accounting applications such as partnerships, non-profit accounting, fiduciary accounting and foreign currency translations. (Prerequisite: Accounting 302.) Fall.

**417. CPA Review (3).** For students who have completed their accounting major and are planning to take the CPA or CMA examination. Emphasis is on the theory and practice portions of the examination, with some additional work on auditing. Review materials and assistance are also available for the business law portion of the examination. (Prerequisites: instructor's permission and completion of 21 semester hours in accounting.) Offered as needed.

### ***Business Administration***

#### **Finance**

**320. Managerial Finance (3).** The interpretation and utilization of financial information as used by corporate managers in the decision-making process. Coverage includes financial statement analysis, capital structure of corporations, debt and equity instruments, current asset management, operation and capital budgeting, time-value applications and financial forecasting methods. (Prerequisite: Accounting 204.) Fall, spring.

**321. Investments and Security Analysis (3).** Introduction to the major security exchange markets and related regulatory agencies, techniques for valuation of equity securities, bond investments and financial statement analysis. Personal financial planning through portfolio development and analysis and industry and market research. (Prerequisite: Business 320.) Offered as needed.

#### **Marketing**

**230. Marketing (3).** The nature and significance of marketing, its functions and institutions; the market for consumer goods; consumer motivation and behavior; policies and practices, research, development, physical distribution, price and non-price competition; and governmental relationships to marketing activities. Coverage includes the commodity, functional and institutional approaches to the study of marketing, supplemented by case studies and computer problems. Fall, spring.

**331. Marketing Research (3).** Development of the skills

necessary to specify and use market and buyer information in defining marketing problems and making marketing decisions. Applied marketing research problems are investigated through readings, case subjects and computer analysis using the SPSS system, and an original marketing research project is undertaken. (Prerequisites: Business 230 and Mathematics 204 or 304.) Spring.

**332. Consumer Behavior (3).** Theory and research related to consumer behavior, including such topics as the role of personality, motivational, perceptual, learning and attitudinal variables; family and cultural influences; and various decision-making models. (Prerequisite: 230 or permission of instructor.) Fall.

**333. Advertising and Promotions Management (3).** Provides an understanding and evaluation of the advertising function within the modern business environment. Topics relate to the promotional mix from a manager's point of view, including decisions about promotional campaign design, budgeting, message and media selection and measurement of effectiveness. Special emphasis on social and ethical aspects of the advertising program. (Prerequisite: Business 230.) Spring.

**334. Retailing (3).** A comprehensive upper-level management view of retail decision making. The emphasis is on strategic, business-level and functional processes in the retail chain system, applying marketing, management, finance and accounting principles in the retail environment. A group case analysis is required. (Prerequisite: Business 230.) Fall.

**335. Sales Management (3).** The role of sales management in achieving strategic and marketing objectives. The emphasis is on account management, policy, structure, forecasting, territory design, quota setting, recruitment and selection, training, motivation and compensation system design. (Prerequisite: Business 230.) Spring.

**337. International Marketing (3).** Methods of establishing and servicing foreign markets amid the complexities of differing cultural, legal and business environments. The emphasis is on pricing, promotion and channels of distribution. Coverage includes discussion of exporting, importing and tariff barriers. (Prerequisite: Business 230.) Fall, alternate years.

**439. Marketing Management (3).** Key elements of successful management of the marketing function in modern organizations. The emphasis is on planning and decision-making procedures in market management, product development, pricing, promotion and distribution. Requirements may include the development and implementation of a comprehensive marketing plan and a computer simulation. (Prerequisites: 6 semester hours of marketing and junior standing.) Offered occasionally.

#### **Management**

**241. Management (3).** The varied roles and skills required of the modern manager are examined in a framework of

competing values - control vs. flexibility, and internal vs. external focus. Planning, delegation, power, motivation, teamwork and creativity are examined. Using personal assessment devices, students gain insights to their levels of skill and competency. Fall, spring.

**242.** Business and Professional Communication (3). Principles and practices of business and professional communication, paying particular attention to clear and effective transmittal of information. The course addresses different aspects of writing and speaking in professional environments, with emphasis on research techniques, periodicals, letters and reports. Open to second-semester freshmen. (Prerequisites: English 101 and at least one business course or permission of instructor.) Fall, spring.

**342.** Information Technology and Project Management (3). Issues of the information-age organization including the role of information and technology in creating and maintaining competitive advantage and managing projects. Explores the roles of the internet in creating new business models, including e-commerce, business-to-business computing and enterprise systems. (Prerequisite: Business 241, CIS 140.) Fall.

**343.** Production and Operations Management (3). Quantitative and qualitative dimensions of problem solving and decision making for production and operations managers. Coverage includes planning, organizing and controlling conversion systems in both manufacturing and non-manufacturing industries, and integration of production and operations management tools and techniques with other functional areas of management decision making. (Prerequisites: Business 241, Mathematics 204 or 304, CIS 140.) Fall.

**344.** Human Resource Management (3). Qualitative and quantitative methods of improving productivity and the quality of worklife. Topics include government regulations influencing the work environment; human resource planning; recruitment, selection and development of the work force; motivation of individuals and groups; performance appraisal methods; and the nature and development of compensation programs. (Prerequisite: Business 241.) Fall, spring.

**346.** Social and Political Issues in Business (3). Social and Political Issues in Business (3). Topics include the social, legal, moral and ethical pressures exerted on business enterprises by the external environment; the rules and ethical responsibilities of business persons; corporate governance; and the assessment of social and ethical performance. (Prerequisite: Business 241 or instructor's permission.) Spring.

**347.** Management of Multinational Firms (3). The development and functioning of the multinational firm, emphasizing and explaining the differences from the purely domestic enterprise. Topics include global strategic planning; international production, supply, personnel and contract negotiation; firm-host government relations; international trade and foreign investment; and foreign investment in the U.S. (Prerequisite: Business 241.) Fall, alternate years.

**348.** Industrial/Organizational Psychology (3). See Psychology 348 for course description.

**350.** Topics in Business Administration (3). In-depth theoretical and practical coverage of concepts in a specialized area of business administration, using the conceptual knowledge for planning and problem solving. Topics may include but are not limited to new product development, managing information, ethical considerations in decision making and cross-cultural business negotiations. May be repeated with a different topic. (Prerequisite: permission of instructor.) Offered as needed.

**443.** Supply Chain Management (3). Examines the activities necessary for effective supply chain management. Topics include design strategy, forecasting, sourcing strategy, logistics, global issues, performance measurement and Enterprise Resource Planning. (Prerequisites: Business 342 or 343.) Spring.

**449.** Business Policy (3). The general management function and related strategic processes from the viewpoint of the chief executive officer. Cases, readings, lectures and simulation exercises help develop analytic skills and the ability to integrate important variables. (Prerequisite: completion of other business core requirements.) Fall, spring.

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3).

**255.** Field/Travel Experience (3). Includes a four- to five-day stay in a major metropolitan city in the U.S. or Canada. Students visit a variety of institutions such as security/commodity markets, international financial centers, advertising agencies, government centers and cultural exhibits, with free time also in which to experience the diverse flavors of a major city. Individual academic assignments relate the field/travel experience to the student's specific major. (Prerequisite: junior standing.) Occasional May or Summer terms.

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12).

**451.** Independent Study (1-3). (Prerequisite: written departmental permission.)

**499.** Advanced Experimental Course (1-3).

### **Art and Design**

The courses of the Art and Design Department are designed to develop creative abilities and awareness while helping the student work toward career goals. Programs include studio art, art education, art history, arts management and pre-art therapy. Liberal arts students are encouraged to enroll in Art 100, 101, 103, 106, 208, 209, 210, 215, and 218.

#### ***Studio Art***

The studio program offers a foundation in artistic production and visual thinking. Studio majors are offered a wide range of

experience in various media, introduced to the history of art and contemporary theory, and challenged to develop individual expressive languages.

There are three degree options in studio art. The Bachelor of Fine Arts degree is for students who wish to pursue careers in specialized art fields or graduate study in art. The Bachelor of Arts option provides a general level of experience in art while allowing students to major or minor in another field of study. The Bachelor of Fine Arts with Teacher Certification is for students interested in art education careers. Students majoring in Studio Art have pursued careers as arts administrators, educators, product designers, museum and gallery curators, graphic designers, art therapists, studio artists, and art directors.

#### **Art and Design Core (10 hours)**

- Art 100 Three-Dimensional Design (3)
- Art 101 Two-Dimensional Design (3)
- Art 103 Drawing from Life (3)
- Art 300 Art and Design Career Seminar (1)

#### Bachelor of Arts in Studio Art

(30 hours of Art and Design and 6-8 hours of cognates)

#### **Art and Design Core (10 hours - see above)**

#### **Three two-course sequences chosen from the following (18 hours):**

- Painting 201, 301
- Printmaking 203, 204
- Ceramics 205, 305
- Fibers 209, 210
- Photo 215, 315
- Electronic Art 218, 318, 319
- Sculpture 220, 320

\*At least one sequence must be in ceramics or sculpture.

#### **Senior exhibition.**

\*At least one hour Advanced Studio (ART 351) in the medium of your exhibition, in each semester of your senior year, is highly recommended.

#### **Sr. Exhibition & Career Preparation (2 hours)**

One hour of ART 401 each semester of the senior year.

#### **Eight hours Art History (AHIS) cognates.**

Bachelor of Fine Arts with Teacher Certification in Studio Art. See the Teacher Education section of the catalog.

#### Bachelor of Fine Arts in Studio Art

(51 hours in Art and Design and 16 hours of cognates)

#### **Art and Design Core (10 hours - see above)**

- ART 250 or 303 (3 hours)

#### **Three two-course sequences chosen from the following (18 hours):**

- Painting: ART 201, 301
- Printmaking: ART 203, 204

Ceramics: ART 205, 305

Fibers: ART 209, 210

Photo: ART 215, 315

Electronic Art: ART 218, 318, 319

Sculpture: ART 220, 320

\*At least one sequence must be in ceramics or sculpture.

#### **Advanced Studio (ART 351) in a single medium (6 hours).**

Enroll in at least 1 credit hour each semester of senior year.

#### **Art History cognates (16 hours)**

AHIS 337

AHIS 211 or 212

#### **Eight hours AHIS electives**

#### **Career focus classes (12 hours)**

These classes will be selected by the student and the advisor from classes within and/or outside the Art and Design Department, and approved by the Art Department faculty by the end of the junior year.

#### **Sr. Exhibition & Career Preparation (2 hours)**

One hour of the exhibition section ART 401 each semester of the senior year.

All students majoring in studio art must participate in assessment critiques their junior year, first semester of the senior year, and during the senior exhibition in the spring semester. Senior exhibition is required. (ART 100, 101 and 103 must be completed before the junior critique.) Students pursuing the BFA must be accepted into the program via the junior critique and must receive approval of the studio faculty by the end of their junior year.

#### **Minor and Associate Program Requirements**

Students wishing to minor in art or receive an Associate of Arts degree in art must complete a total of 22 semester hours, including ART 100, 101, 103; nine hours of art electives; and one Art History (AHIS) cognate (4 hours).

#### **Arts Management**

Follow Art course descriptions.

#### **Pre-Art Therapy**

See Pre-Professional Programs in the Academics section of the catalog.

#### **Art History**

See AHIS in the History section of the catalog.

#### **Studio** (Listed in the schedule as ART)

**100.** Three-Dimensional Design (ARTS) (3). The principles of organization in a variety of three-dimensional media, with emphasis on problem solving and the fundamentals of design. Fall, spring.

**101.** Two-Dimensional Design (ARTS) (3). Design elements, principles, processes and media in two dimensions,

in a variety of visual concepts in both black and white and color. Fall, spring.

**103.** Drawing from Life (ARTS) (3). Emphasizes developing drawing, design and technical skills in a variety of black and white media by working from real objects and models in the studio. Fall, spring.

**106.** Introduction to Ceramics (ARTS) (3). Basic ceramic methods for the non-art major, including construction techniques and wheel throwing. Consideration will be given to three-dimensional design elements and ideas. Fall, spring.

**201.** Painting (3). Painting as a creative process involving aspects of drawing, design, image, color, and material techniques, in the expressive organization of a two-dimensional surface. Work will involve a variety of media and methods. (Prerequisite: 6 hours from 100, 101, 103.) Fall.

**203.** Non-Acid Intaglio Techniques (3). Non-acid intaglio techniques on Plexiglas and metal etching plates, manipulation of point and criblé textures and vocabulary of nontraditional techniques. Creation of images using collage-based collagraph plates. (Prerequisite: 6 hours from 100, 101, 103.)

**204.** Relief Printing (3). Work in basic woodcut and linoleum printing. (Prerequisite: 6 hours from 100, 101, 103.) Spring.

**205.** Ceramics (3). The construction processes, materials, glazing and firing of ceramic works (low and high fire, including gas, salt/soda, and wood fire). Emphasis is on handbuilding and wheel techniques in sculptural and functional forms. (Prerequisite: 6 hours from 100, 101, 103.) Fall.

**208.** Metals (ARTS) (3). The execution of objects in sterling silver and other metals, involving forming, cutting, soldering, stone setting, polishing and other processes. Emphasis is on application of design to the fabrication of jewelry and other decorative objects. (Open to freshmen.) Spring.

**209.** Weaving and Fiber Construction (ARTS) (3). The basic techniques of four-harness loom weaving and various methods of designing and constructing forms with fibers, including tapestry. Alternates with Art 210. (Open to freshmen.) Fall '09.

**210.** Textile Design (ARTS) (3). The decoration of fabric surfaces by means of dye and pigment, with special emphasis on design in the shibori, batik and screen-printing methods. Alternates with Art 209. (Open to freshmen.) Fall '08.

**215.** Basic Photography (ARTS) (3). Study of black/white processes with emphasis on acquiring technical skill and developing aesthetic sensitivity and appreciation of the graphic communication potential of the medium. Fall.

**218.** Digital Imaging (ARTS) (3). An introduction to using the computer to make images. Students learn industry-standard

design software such as Adobe Illustrator and Photoshop to create images and to apply design solutions to visual problems. These tools also will be used to explore the unique challenges and advantages of making art with a computer, as well as ways that it can be used as a technique and process for personal expression. Fall, spring.

**220.** Sculpture I (3). A continuation of the media presented in Art 100. New techniques and media presented may include aluminum casting, woodcarving, earthwork, ice carving, glass casting, welding, or paper sculpture. The class will culminate in a significant independent project. (Prerequisite: ART 100) Fall.

**250.** Drawing and Illustration (3). Continued exploration of perceptual and expressive drawing, utilizing a variety of technical means and media, including color drawing media, animation/video, and illustration projects. (Prerequisite: Art 103.) Spring '10.

**300.** Art and Design Career Seminar (1). This class will involve field trips or speakers, research and self-evaluation. With a variety of artists, discuss the issues of being an art and design professional. Documentation of art work, portfolio and resume preparation, gallery and exhibition experiences appropriate to the students' possible career directions will be identified and initiated. Fall.

**301.** Painting II (3). Continuing study of painting as a creative process involving aspects of drawing, design, image, color and material techniques, in the expressive organization of a two-dimensional surface. Increasing focus on the development of the student's unique personal aesthetic. (Prerequisite: Art 201.) Spring.

**303.** Figure Studies (3). Students draw and model in clay from figure and costume models and complete additional work in medium of choice (drawing, painting, sculpture). Course content includes both problems proposed by the instructor and those initiated by the student. (Prerequisites: Art 100 and 103.) Spring '09.

**305.** Ceramics II (3). Emphasis on the wheel and advanced handbuilding techniques. Multi-temperature low fire surfaces, glaze testing and kiln firing will be stressed. Historical perspectives of ceramics will be explored along with the development of the student's unique personal aesthetic. (Prerequisite: Art 106 or 205.) Spring.

**315.** Intermediate Photography (3). Further study of photographic process, including black and white, digital and color, culminating in a significant body of photographs based around a theme or idea. (Prerequisite: Art 215, instructor's permission.) Spring.

**318.** Graphic Design (3). An introduction to the basics of print design and the use of industry-standard software such as QuarkExpress and Adobe InDesign. Topics may include page layout, creation of logos, use and manipulation of text and graphics, product label design, copyright ethics, post-

layout processing, and basics of printing. Through design projects students will explore own solutions to common graphic design problems. (Prerequisite: ART 218.) Fall.

**319.** Web Design (3). Students will use industry-standard design software such as Macromedia Flash or Dreamweaver to create and design functional web sites. These tools will be used to explore important web design issues such as information architecture, interactivity, animation and navigation systems. Spring.

**320.** Sculpture II (3). Students develop a personal direction selected from experience with previous media and techniques and based on personal imagery and theoretical research. A series of works demonstrating a unique personal vision will be student produced. (Prerequisite: Art 220.) Fall.

**325.** Foundations of Art Therapy (2). Introduces foundational theories and traditional approaches of art therapy practice, emphasizing the psychodynamic roots of the field. Overview of history of the profession and examines contributions of key pioneers. Clinical applications are explored through case studies and studio experience. (Prerequisite: PSYC 100; PSYC 205 recommended.)

**326.** Approaches in Art Therapy (2). Explores alternative theories and techniques in the field of art therapy. Topics also include group and family art therapy practice. Applications are explored through case studies and studio experience. (Prerequisite: PSYC 100; ART 325 and PSYC 205 recommended.) Spring (alternates with ART 325).

**351.** Advanced Studio (1-15). Advanced study in drawing, painting, ceramics, illustration, graphic design, fibers, photography, or sculpture. Repeatable up to 15 semester hours. (Prerequisite: instructor's permission.) Fall, spring.

**401.** Sr. Exhibition & Career Preparation (1). Majors graduating in April, or December of the next year, prepare exhibitions, install them in Gallery, write press releases, design announcement. They write resumes, artist statements, and letters of application, using these materials to apply for an exhibition, graduate program, job, or other opportunity. Repeatable up to 2 credits. (Prerequisite: instructor's permission.) Fall, spring.

### ***Visual Arts Education*** (Listed in the schedule as ART)

**105.** Art for Elementary Teachers (3). The development of familiarity with various materials and techniques for use in the elementary classroom, working in papier-maché, mosaic, crayon, chalk, paint, basic printing processes and clay. (Open only to students pursuing the planned minor in elementary education or the early childhood minor.) Fall, May term.

**200.** Classroom Experience (1-2). Classroom experience observing and assisting an art teacher. Students must enroll concurrently in T ED 204 Educational Psychology. Students

are required to maintain journals of their experience.

**330.** Clinical Experience (1). Art classroom experiences parallel to the course T ED 330 Teaching-Learning Processes (secondary). Must be taken concurrently with T ED 330. Fall.

**360.** Methods for Elementary Art Teachers (3). Teaching art at the elementary and middle school levels, including advocacy, art education theory and interdisciplinary education models. Teaching and organizational challenges of art education and the problems of creating an age sensitive curriculum. (Corequisite: Art 361. Prerequisites: acceptance in teacher education program, art major with junior standing.) Spring.

**361.** Elementary Art Practicum (1). Field experience teaching art to elementary students. (Corequisite: Art 360. With respect to teacher certification requirements, this substitutes for one hour of T ED 300.)

**460.** Methods for Secondary Art Educators (3). Art education theory, resources and classroom management related to secondary teaching. Development of lesson plans into whole units of study culminating in the creation of an entire curriculum and a written personal philosophy about the teaching of art. Additional field experience required. (Prerequisites: 360. Corequisite: Art 461) Fall.

**461.** Secondary Art Practicum (1). Field experience teaching art to secondary students. (Corequisite: 460 With respect to teacher certification requirements, this substitutes for one hour of T ED 300.)

**489.** Senior Research in Art Education (2). Classroom discussions about the practices of teaching art. Research and reflective writings will prepare the pre-associate teacher by focusing on teaching diverse learners in diverse contexts, issues of curriculum and pedagogy, and school culture and art teaching (Enroll concurrently with ART 360, ART 460, or T ED 400 Associate Teaching.)

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12).

**451.** Independent Study (1-3). Open only to art and design majors with a special need to study content beyond that offered in the normal course sequence. (Prerequisite: department chairperson's written permission.)

**499.** Advanced Experimental Course (1-3).

### ***Arts Management***

The Arts Management program is designed to develop not only creative abilities and awareness in the fine arts areas but also business management skills to allow students to pursue

careers in performance and institution management. Some of these careers may include operating art galleries and museums, managing groups and concert halls, and managing theatrical companies. This program leads to the Bachelor of Arts degree.

All students in the program complete a core of courses that offers a broad overview of the various business functional areas, public relations, two-dimensional design, and an internship in fine arts management. Additionally, students will emphasize one area of the fine arts from art, music, or theatre; or the student may choose to emphasize two of the fine arts areas. Students should know that if they decide to emphasize two of the fine arts areas, careful planning of course schedules is necessary in order to meet graduation requirements in a timely fashion.

Candidates for the Bachelor of Arts degree will complete 31 hours of core courses and an additional 33 hours of art, music, or theatre courses if one fine arts area emphasis is chosen. If the student chooses to emphasize two fine arts areas, in addition to the 30 hours of core courses, the student will take 39-43 hours depending on the combination of fine arts areas chosen.

Requirements for Bachelor of Arts in Arts Management:

#### **Arts Management Core**

- ACCT 203 Principles of Accounting I (3)
- ACCT 305 Business Law (3)
- B AD 230 Marketing (3)
- B AD 241 Management (3)
- B AD 242 Business and Professional Communication (3)
- ENGL 271 Journalism I (4)
- ART 101 Two-Dimensional Design (3)
- COMM 205 Public Relations I (3)
- Professional Internship (399)(6)

In addition, students are required to complete a major area of emphasis or two minor areas of emphasis, one of which must be Music or Theatre.

#### **Requirements for major areas of emphasis are:**

##### Art

(1) ART 100, 103, 218, 300. (2) One course in three different media, chosen from painting, printmaking, ceramics, fibers, photography, and sculpture (ART 201, 203, 205, 208, 209, 215, 220). One class must be from a three-dimensional medium (ceramics, fibers, sculpture). (3) A second class plus three hours of Advanced Studio (ART 351) in one of the four media (including electronic) you have taken. (ART 301, 204, 305, 210, 315, 318, 319, 320). (4) Eight hours of Art History (AHIS). (5) Two additional hours of Advanced Studio (ART 351), either in studio or senior exhibition preparation. Participation in senior exhibition is required.

##### Music

101, 102, 103, 104, 341, 6 hours of music history (316, 317, 318, 319), 4 semesters of applied music, 6 hours of electives in music, 8 semesters of ensemble or 6 semesters of ensemble and 2 hours of music activities.

##### Theatre

100 (2 credits), 108, 207, 300 (1 credit) 304, 312 or 313 (3 credits from either course), 315, 316, 421, 9 hours of electives in theatre.

#### **Requirements for minor areas of emphasis are:**

##### Art

ART 100, 103; 9 hours of electives in Art; and ARTH 211, 212.

##### Art History

20 hours of AHIS.

##### Music

101, 102, 103, 104, 107, 341; 4 hours of applied music; 4 semesters of ensemble or 2 semester of ensemble and 2 hours of music activities.

##### Theatre

100 (2 credits), 108, 207, 300 (1 credit), 304 and 9 hours of electives in Theatre.

## **Biology**

The biology department is noted for its environmental and evolutionary programs, cellular and molecular biology studies, prehealth science preparation and taxonomic research. Facilities include a 48-acre natural science study area with forest and aquatic habitats; two 10-acre wildlife preserves; a biochemical genetics laboratory for DNA, protein and evolutionary research; an animal behavior and communication center utilizing radio telemetry, sonographic and video procedures; a tissue culture facility permitting the in vitro cultivation of animal and plant cells and related research; and reference collections of taxonomically important species. The department has prepared students for careers with the Department of Natural Resources, National Park Service, U.S. Interior Department, the U.S. Department of Agriculture and many academic, industrial and research institutions. Many other biology alumni are dentists, medical technologists, nurses, optometrists, physicians, podiatrists and teachers in elementary and secondary schools, colleges and universities.

Students majoring in biology earn a Bachelor of Arts degree. The department also offers the Associate of Arts degree and a minor in biology. Students are encouraged to acquire strong backgrounds in the supporting sciences, particularly chemistry, mathematics and physics. Those interested in careers requiring further education in professional or graduate schools may obtain specific program information from the Bonner Center for Advising and Career Development.

#### **Major Program Requirements**

##### Bachelor of Arts in Biology

(30 hours of Biology and 12 hours of cognates)

#### **Biology core (20 hours)**

- BIOL 103 Plant Biology (4)
- BIOL 104 Animal Biology (4)
- BIOL 217 Principles of Ecology (3)
- BIOL 221 Principles of Genetics (3)

BIOL 301 Junior Seminar (1)  
BIOL 326 Microbiology (4)  
BIOL 401 Senior Seminar (1)

**Biology electives (10 hours)**

**Biology Cognates (12 hours)**

Chemistry 103, 104 College Chemistry (4, 4)  
Mathematics 115 Pre-Calculus Mathematics (4)

Students are strongly urged to include a systematics course (BIOL 130, 212, 262, 364, or 366) within their program. A maximum of three credits of Biology 451 and four credits of Biology 199 or 399 may be counted toward the required 30 credits of biology. Students are required to take a biological knowledge assessment test during the spring semester of their final year. Students are encouraged to take additional course work in chemistry (Chemistry 311-314), physics and statistics.

Bachelor of Arts with Teacher Certification in Biology.

See the Teacher Certification section of the catalog.

**Minor and Associate Program Requirements**

Those who desire to earn the Associate of Arts degree in biology must complete a minimum of 16 semester hours in the department (including BIOL 103 and 104), 8 hours of chemistry and mathematics at or above the 101 level.

Students minoring in biology must complete at least 20 semester hours of biology, including BIOL 103 or 104; 221 or 326; and 301.

Students who wish to be considered for departmental honors should submit a letter indicating this to the biology department chairperson before beginning their senior year. To graduate with departmental honors in biology, a student must earn a 3.00 grade point average in science; complete two credits of Biology 450 or 451 associated with an approved research project; and prepare a paper for presentation to the biology faculty and majors or a professional group (a paper worthy of submission to a refereed journal will be viewed as meeting this requirement). Having met these criteria, the student qualifies for consideration for honors. Final selection is based on departmental evaluation.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**101. Biology and Society (NATURAL SCIENCE) (4).** A general biology course for nonscience majors. Selected topics ranging from the level of the cell to the biosphere are covered. Does not count towards Biology elective credit for Biology majors or minors. Three hours of lecture and two hours of laboratory per week. Fall.

**103. Plant Biology (NATURAL SCIENCE) (4).** The study of the morphology, anatomy, development, metabolism, physiology, classification, genetics, and evolution of plants, bacteria and fungi. Three hours of lecture and two hours of laboratory per week. Fall.

**104. Animal Biology (NATURAL SCIENCE) (4).** Primary emphasis is on the structure, development and physiology of animals. Their genetics and ecology are also examined. Three hours of lecture, two hours of laboratory per week. Spring.

**130. Local Flora (3).** A field course dealing with collection, identification and classification of wild flowers and trees of Michigan and other designated areas. Offered as needed.

**209. Human Nutrition (3).** The fundamentals of nutrition and their applications in meeting nutritional needs during the life span. Emphasis is on the functions of essential food elements, health and the adequacy of dietary patterns. Not intended for Biology majors (Prerequisite: Biology 101 or 104.) Spring.

**212. Vertebrate Zoology (4).** A survey of the major classes of vertebrates, including anatomy, behavior, ecology, distribution and taxonomy. Three hours of lecture, three hours of laboratory per week. (Prerequisite: Biology 101 or 104.) Fall.

**217. Principles of Ecology (3).** The structure and function of living systems, including patterns of relationship between organisms and their environment. The study begins with populations and builds to the level of ecosystems and the biosphere. Three hours of lecture per week. See Biology 218 for a related laboratory experience. (Prerequisites: 100 level Biology or Environmental Science/Studies; and Mathematics 101). Fall.

**218. Ecology Laboratory (1).** Laboratory and field exercises designed to illustrate principles discussed in Biology 217. (Corequisite: Biology 217). Fall.

**220. Winter Ecology (4).** An examination of the biological responses of organisms to the environmental conditions associated with winter. Additional emphasis on field studies of over-wintering organisms and the identification of the organisms in their winter condition. Two Saturday or Sunday field trips included. Three lectures, one 3-hour laboratory per week. (Prerequisites: Biology 104 or Biology 217. When offered as a writing intensive course, English 101 is also a prerequisite.) Offered as needed.

**221. Principles of Genetics (3).** Mechanisms and laws of inheritance, the nature of the genetic material, and the structure and function of genes and the regulation of their activity. Three hours of lecture, one hour of recitation per week. See Biology 223 for a related laboratory experience. (Prerequisites: Biology 104; Chemistry 101; Mathematics 101.) Fall

**223. Genetics Laboratory (1).** Laboratory exercises and experiments designed to illustrate principles discussed in Biology 221. (Corequisite: Biology 221.) Fall.

**237. Hematology and Serology (3).** Methods used in the study of blood, including blood cell count, hematocrit val-

ue, blood cell morphology, hematologic changes in diseases and immunohematology. Designed for medical technology and other paramedical or premedical students. Two hours of lecture, two hours of laboratory per week. (Prerequisites: Biology 104; Chemistry 104) Offered as needed.

**262.** Invertebrate Zoology (4). The biology of invertebrates (excluding insects but including parasitic invertebrates) with reference to anatomy, ecology, taxonomy and physiology. Three hours of lecture, three hours of laboratory per week. (Prerequisite: Biology 101 or 104.) Fall.

**301.** Junior Seminar (1). Required for all junior Biology majors. A course exploring critical issues in biology through selected readings, discussion and presentations (oral and written). Fall, spring.

**309.** Topics in Biology (1-4). Investigations of advanced or specialized topics of current interest. Topics and coverage varies with semester and instructor. May be repeated. (Prerequisites vary with coverage.) Offered as needed.

**324.** Conservation Biology (3). An examination of the genetic and ecological concepts important in developing plans for preserving species and habitats. Techniques designed to gather the required information will be examined. Case studies of work on selected species will be discussed. Three hours of lecture per week. (Prerequisite: Biology 217 or 221.) Fall.

**326.** Microbiology (4). An introduction to microorganisms including bacteria, fungi and viruses. Cell structure, metabolism and genetics will be covered with an emphasis on current techniques used in medical and environmental studies. Laboratory work emphasizes microscopical, biochemical and molecular genetic identification of bacteria. Three hours of lecture, three hours of laboratory per week. (Prerequisite: Biology 103 and 104; Corequisite: Chemistry 104.) Spring.

**333.** Biochemistry (3). See Chemistry 333. Spring.

**334.** Biochemistry Laboratory (1). See Chemistry 334. Spring.

**341.** Cell and Tissue Culture (3). The theory and techniques of culturing in vitro cells, tissues and organs of plants and animals. Two hours of lecture, four hours of laboratory per week. (Prerequisite: Biology 326.) As needed.

**343.** Molecular Cell Biology (3). The structure and functioning of eukaryotic cells, with emphasis on the control of gene expression. Molecular aspects of the control of development are also discussed. (Prerequisites: Biology 221 and Chemistry 311 or permission of instructor.) Fall.

**345.** Methods in Molecular Biology (3). The basic techniques utilized in molecular biology are discussed. Students learn the techniques through a series of laboratory exercises with progressively more demanding protocols. One hour lecture and five hours of laboratory per week. (Prerequisites:

Biology 221 or 343 and permission of instructor.) Spring.

**364.** Entomology (4). The biology of insects with reference to anatomy, ecology, taxonomy and physiology, focusing on local species and medically important ones. Three hours of lecture, three hours of laboratory per week. (Prerequisite: Biology 101 or 104.) Offered as needed.

**365.** General Physiology (4). The structural and functional correlates of organismal biology; topics include membrane specializations, intermediary metabolism and homeostatic control mechanisms. Primary emphasis is on animals, usually vertebrates. (Prerequisites: Biology 104; Chemistry 311; Mathematics 115.) Fall.

**366.** Biology of Parasites (4). The biology of common parasites of humans and animals. Emphasis is on the study of evolutionary strategies of parasites and their vectors, the identification and life histories of common parasites and the methods used to analyze outbreaks and patterns of disease incidence. Three hours of lecture and three hours of laboratory per week. (Prerequisite: Biology 101 or 104.) Spring.

**368.** Developmental Biology (3). Modern principles of gene regulation and biochemical control of plant and animal developmental processes, from embryo through senescence. Includes environmental signals, teratogens and cancer. (Prerequisites: Biology 221; Chemistry 311.) Offered as needed.

**370.** Immunology (3). Principles of immunology, including the structure of antigens and the regulation of cell-mediated and humoral immunity. Non-specific immunity and body defenses are also discussed. Recent papers on related topics are discussed. (Prerequisite: Biology 221 or 326; corequisite: Chemistry 312 or 333.) Spring.

**375.** Animal Behavior and Communication (4). The behavior and communication of a variety of animals, particularly vertebrates, examined at the physiological, ecological and evolutionary levels. Both indoor and field laboratory experiences incorporate behavioral and communication instrumentation and computer-aided statistical analysis of results. (Prerequisite: 200-level Psychology or Biology or higher.) Spring.

**378.** Ichthyology (4). The principles of classification, distribution, behavior and adaptation of fishes, within an ecological and evolutionary context. Includes laboratory and field identification, with emphasis on Michigan fauna. Three hours of lecture, three hours of laboratory per week. (Prerequisite: Biology 212.) May, spring, or summer.

**379.** Herpetology (4). The principles of classification, distribution, behavior and adaptation of amphibians and reptiles, within an ecological and evolutionary context. Includes laboratory and field identification, with emphasis on Michigan fauna. Three hours of lecture, three hours of laboratory per week. (Prerequisite: Biology 212.) May or Summer.

**380.** Ornithology (4). The principles of classification, dis-

tribution, behavior and adaptation of birds, within an ecological and evolutionary context. Includes laboratory and field identification, with emphasis on Michigan fauna. Three hours of lecture, three hours of laboratory per week. (Prerequisite: Biology 212.) Spring, May or Summer.

**381.** Mammalogy (4). The principles of classification, distribution, behavior and adaptation of mammals, within an ecological and evolutionary context. Includes laboratory and field identification, with emphasis on Michigan fauna. Three hours of lecture, three hours of laboratory per week. (Prerequisite: Biology 212.) Spring, May or Summer.

**401.** Senior Seminar (1). Student-led discussions of recent advances in biological research. One hour per week. (Open only to senior biology majors and 3 + 1 program students with department chairperson's permission.) Fall, spring.

**455.** Human Anatomy (3). Dissection and the anatomical exploration of the human body using cadavers. Two hours of lecture and two hours of laboratory per week. (Prerequisite: Biology majors with junior or senior standing and permission of instructor.) Spring.

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-4).

**399.** Professional Internship (1-12). Previously approved internships include hospital observational experience and work at Kalamazoo Nature Center and Hidden Lake Gardens.

**450.** Biological Research (1-2). Original research in biology requiring acceptance of a thesis proposal by the biology faculty prior to registration. Proposal must include literature survey, budget and time scale for completion of each segment. May be repeated. (Prerequisite: Permission of instructor.) Fall, spring.

**451.** Independent Study (1-3). Independent study in biology that is supervised by a biology faculty member. May be repeated. (Prerequisite: permission of instructor.)

**499.** Advanced Experimental Course (1-4).

## **Chemistry**

A chemistry major enters such fields as chemical research, industrial chemistry, medicine, dentistry and education. The chemistry department offers programs leading to either a Bachelor of Arts or Bachelor of Science degree. Those who intend to enter graduate study are encouraged to earn the Bachelor of Science degree.

### ***Major Program Requirements***

#### **Bachelor of Arts in Chemistry**

(33-34 hours of Chemistry and 23 hours of cognates)

#### **Chemistry B.A. Core (30 hours)**

CHEM 103, 104 College Chemistry (4, 4)

CHEM 201 Sophomore Seminar (1)  
CHEM 301 Junior Seminar (1)  
CHEM 303 Quantitative Analysis (3)  
CHEM 304 Quantitative Analysis Laboratory (2)  
CHEM 311, 312 Organic Chemistry (3, 3)  
CHEM 313, 314 Organic Chemistry Laboratory (1,1)  
CHEM 321, 322 Physical Chemistry (3, 3)  
CHEM 323, 324 Physical Chemistry Laboratory (1,1)  
CHEM 401 Senior Seminar (1)

#### **Chemistry B.A. Electives (3-4 hours)**

One of the following:

CHEM 402, 404, 405 or 406

#### **Chemistry B.A. Cognates (23 hours)**

CIS 106 Computer Programming (3)  
MATH 115 Pre-Calculus Mathematics (4)  
MATH 135, 205 Calculus I, II (4, 4)  
PHYS 101, 102\* Introductory Physics I, II (3, 3)  
PHYS 103, 104\* Introductory Physics Lab I, II (1, 1)

\*8 hours of higher-level physics may be substituted for the Introductory Physics requirement.

#### **Bachelor of Science in Chemistry**

(38 hours in Chemistry and 26-27 hours of cognates)

#### **Chemistry B.S. Core (38 hours)**

CHEM 103, 104 College Chemistry (4, 4)  
CHEM 201 Sophomore Seminar (1)  
CHEM 301 Seminar (1)  
CHEM 303 Quantitative Analysis (3)  
CHEM 304 Quantitative Analysis Laboratory (2)  
CHEM 311, 312 Organic Chemistry (3, 3)  
CHEM 313, 314 Organic Chemistry Laboratory (1,1)  
CHEM 321, 322 Physical Chemistry (3, 3)  
CHEM 323, 324 Physical Chemistry Laboratory (1,1)  
CHEM 401 Senior Seminar (1)  
CHEM 402 Instrumental Analysis (4)  
CHEM 404 Advanced Inorganic Chemistry (3)  
CHEM 450 Research (1)  
or CHEM 451 Independent Study (1)

#### **Chemistry B.S. Cognates (26-27 hours)**

CIS 106 Computer Programming (3)  
MATH 115 Pre-Calculus Mathematics (4)  
MATH 135, 205 Calculus I, II (4, 4)  
MATH 215 Calculus III (4)  
or 3 hours of 300-level Mathematics  
PHYS 205, 206 General Physics I, II (3,3)  
2 hours of Physics laboratory (200+ level) (2)

A student majoring in chemistry who plans to enter medical or dental school should contact the pre-health science advisor.

#### **Bachelor of Arts with Teacher Certification in Chemistry**

See the Teacher Education section of the catalog.

#### ***Minor Program Requirements***

A student minoring in chemistry will complete a minimum

of 20 semester hours in the department, including Chemistry 103, 104 and 303, 304 and one of the following sequences of courses:

CHEM 311, 312, 313 and 314; or

two of the following three:

CHEM 321 and 323, CHEM 322 and 324 or CHEM 402.

Additional courses required for the minor are Mathematics 115 and Physics 101, 102, 103, 104 or eight hours of equivalent higher-level physics courses.

A student seeking to graduate with departmental honors in chemistry must maintain a minimum 3.0 grade point average in science courses and complete the Bachelor of Science program along with 5 additional hours of course work in the department, including either Chemistry 405 or 406.

A grade of C- or better is required in all prerequisite chemistry courses.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**101.** The World of Chemistry (NATURAL SCIENCE) (4) Intended for the non-science major, this course will introduce concepts of chemistry by relating them to their daily uses. Hands-on learning is emphasized through classroom and laboratory activities, showing the interplay of theory and experiment, and how they relate to the scientific method. (Does not count toward a Chemistry major or minor.) Three lectures, one 3-hour laboratory per week. Fall.

**103, 104.** College Chemistry (NATURAL SCIENCE for 103) (4, 4). An introductory sequence for chemistry majors, students in biology, earth science, physics, chemical engineering, pre-medicine and pre-dentistry and others who want a comprehensive introduction. Topics include laws of chemical combination, gas laws, atomic structure, the periodic system, kinetics, chemical equilibrium and oxidation-reduction. Laboratory experiments are designed to illustrate these basic concepts and the use of modern chemical instrumentation. Three lectures, one discussion period, one 3-hour laboratory period per week. (Corequisite: Mathematics 101; High school chemistry is strongly recommended. Chemistry 103 or instructor's permission is prerequisite for 104.) Fall, spring.

**201.** Sophomore Seminar (1). Required of all sophomore Chemistry majors. Exploring topics in the chemical literature and career opportunities in Chemistry through discussion and oral presentation. (Prerequisite: Chemistry 103, 104.)

**202.** Issues in Science (3). Explores the human side of science (biographies, diversity, ethics, history). Enriches the students' perspective on the role of science and technology in shaping society and prepares them for careers as responsible scientists.

**204.** Environmental Chemistry (4). Application of basic concepts of Chemistry to issues of air, water and soil pollution. The chemistry of energy generation and its environmental implications are also discussed. Three lectures, one 3-hour laboratory period per week. (Prerequisite: Chemistry 104 or instructor's permission.) Offered as needed.

**214.** Chemical Demonstrations (1). The theory and practice of performing classroom demonstrations exhibiting chemical principles. Students are required to participate in a community outreach program as part of their final evaluation. (Prerequisite: Chemistry 104.) (May be repeated.)

**222.** Scientific Writing (4). Focuses on skills necessary for writing in the social and physical sciences. Students will read and create a variety of documents, including lab notes, reports, summaries, and abstracts. Significant library and internet research, which students will use to write technical descriptions, literature reviews, instructions, and essays. (Prerequisite: ENGL 101.) Offered as needed.

**301.** Junior Seminar (1). A course designed to acquaint students with methods of searching the chemical literature and to provide them with an opportunity to prepare research material for a scientific paper and poster presentation. Topics selected will depend upon the special interests of participating faculty members and students. (Prerequisite: Chemistry 201.) Fall.

**303.** Quantitative Analysis (3). The study of chemical stoichiometry and equilibria, including elementary principles of volumetric, gravimetric, spectrophotometric and potentiometric analysis as applied to chemical analysis. Three lectures, one discussion, two 3-hour laboratory periods per week. (Prerequisites: Mathematics 115, and Chemistry 104 or instructor's permission.) Fall.

**304.** Quantitative Analysis Laboratory (2). Laboratory experiments to develop skills and learn applications within the analytical chemistry laboratory. Two 3-hour laboratory sessions per week. (Prerequisites: Chemistry 302). Spring.

**309.** Special Problems (1). An introduction to methods of chemical research. May be repeated. (Prerequisite: instructor's permission.) Fall, spring.

**311, 312.** Organic Chemistry (3, 3). Coverage of the important aliphatic, aromatic and heterocyclic compounds of carbon, with special emphasis on reaction mechanisms. Includes structure, nomenclature, isomerism, synthesis and reaction of organic compounds. Three lectures, one discussion period per week. (Prerequisite: Chemistry 104 or instructor's permission; Chemistry 311 prerequisite for 312.) Fall, spring.

**313, 314.** Organic Chemistry Laboratory (1, 1). Methods of compound preparation, separation and characterization, using instrumentation such as the gas chromatograph and infrared and nuclear magnetic resonance spectrometers. Chemistry 314 contains several weeks of qualitative organic

analysis. One 4-hour laboratory period per week. (Corequisites: Chemistry 311 for 313, 312 for 314.) Fall, spring.

**321, 322.** Physical Chemistry (3, 3). The theoretical study of chemical laws, theories and principles, including thermodynamics, chemical kinetics, quantum theory and molecular structure. Three lectures, one discussion period per week. (Prerequisite: Mathematics 205.) Fall, spring.

**323, 324.** Physical Chemistry Laboratory (1, 1). Laboratory study of chemical laws, theories and principles. One 5-hour laboratory period per week. (Prerequisite: Chemistry 302; Corequisites: Chemistry 321, 322.) Fall, spring.

**333.** Biochemistry (3). The chemistry and the biological significance of proteins, enzymes, lipids, nucleic acids and porphyrins, including the generation of phosphate bond energy via metabolism and its use in biosynthesis. Three lectures, one discussion period per week. (Prerequisites: Chemistry 311 and instructor's permission or Chemistry 312.) Spring.

**334.** Biochemistry Laboratory (1). Lab techniques for the study of macromolecules. (Corequisite: Biology 333 or Chemistry 333). Offered as needed.

**401.** Senior Seminar (1). Continuing on the skills learned in CHEM 301, students will continue research in a narrow focus and present the material in an oral presentation like one that would be found in a professional conference setting. (Prerequisites: Chemistry 301). Spring.

**402.** Instrumental Analysis (4). The theory and application of modern instrumental analysis techniques, including ultraviolet and visible spectrophotometry, emission, atomic absorption, infrared and nuclear magnetic resonance spectroscopy, gas chromatography and electrochemical methods. Three lectures, one 5-hour laboratory period per week. (Prerequisite: Chemistry 302; Corequisite: Chemistry 324 or instructor's permission.) Spring.

**404.** Advanced Inorganic Chemistry (3). Chemical theories and laws and their applications to inorganic systems, including quantum theory, wave mechanics, the periodic table, chemical bonding, inorganic stereochemistry, coordination compounds, acids and bases, non-aqueous solvents and the chemistry of selected elements. Three lectures per week. (Corequisite: Chemistry 321 or instructor's permission.) Spring.

**405.** Advanced Physical Chemistry (3). Quantum mechanics and statistical thermodynamics with applications to chemical systems. Three lectures per week. (Prerequisites: Chemistry 322, Math 215 and Math 303.). Offered as needed.

**406.** Advanced Organic Chemistry (3). Advanced theories of molecular structure and reactivity of organic compounds with attention to reaction mechanisms and the methods by which information is obtained about molecules and reactions. Three lectures per week. (Prerequisites: Chemistry 312 and 321 or instructor's permission.) Offered as needed.

**410.** Current Topics (1-3). Recent developments in the field of chemistry. May be repeated. (Prerequisite: instructor's permission.) Offered as needed.

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12).

**450.** Research in Chemistry (1-3). Laboratory research on a topic agreed upon by the student and the faculty research director. A formal report of results is required. May be repeated for a maximum of 6 hours. (Prerequisite: department chairperson's permission.)

**451.** Independent Study (1-3). A program of independent research. May be repeated for a maximum of 6 hours. (Prerequisite: departmental chairperson's permission.)

**499.** Advanced Experimental Course (1-3).

## **Communication Arts and Sciences**

The Department of Communication Arts and Sciences offers emphases in 1) argumentation and advocacy, 2) mass mediated communication and 3) communication teacher education. The department seeks to develop the student's knowledge, spirit of inquiry and creative skills in the art of communication and to broaden and deepen the understanding of communication as it operates in a free society. A major in Communication Arts and Sciences provides strong preparation for graduate school and for careers in public relations, radio, television, law, lobbying, and related fields.

Students seeking a Bachelor of Arts degree with a major in Communication Arts and Sciences must complete a minimum of 33 semester hours in the department.

Communication 102 does not count in the 46-hour maximum limits on departments.

All Communication majors must complete the following Communication Core (12 hours)

Communication 109	Radio Studies (3)
Communication 110	Survey of Mass Communication (3)
Communication 280	Communication Ethics (3)
Communication 421	Senior Project (3)

### ***Major Program Requirements***

**Bachelor of Arts in Communication Arts and Sciences with emphasis in Argumentation and Advocacy**  
(33 hours)

**Communication Arts and Sciences Core (12 hours - see listing above)**

**Argumentation and Advocacy Core (15 hours)**

COMM 205	Public Relations I (3)
COMM 218	Introduction to Communication Theory (3)
COMM 300	Argumentation and Debate (3)
COMM 308	Mass Communication Criticism (3)
COMM 403	History of Communication (3)

### **Electives (6 hours)**

6 hours of COMM electives at the 300-level or higher except 399.

### Bachelor of Arts in Communication Arts and Sciences with emphasis in Mass Mediated Communication

(33 hours)

#### **Communication Arts and Sciences Core (12 hours - see listing above)**

#### **Mass Mediated Communication Core (15 hours)**

- COMM 210 Radio Production (3)
- COMM 218 Introduction to Communication Theory (3)
- COMM 239 Advanced Radio Production (3)
- COMM 307 Broadcast Operations (3)
- COMM 308 Mass Communication Criticism (3)

### **Electives (6 hours)**

6 hours of COMM electives at the 300-level or higher except 399.

### Bachelor of Arts with Teacher Certification in Speech/Communication.

See the Teacher Education section of the catalog.

### ***Minor and Associate Program Requirements***

Associate of Arts degree in Communication Arts and Sciences. Students must complete minimum of 21 semester hours in the department, including 109, 110, 205, 210, 212, and 280; and 3 hours at the 200-level or higher.

Minor in Communication Arts and Sciences. Students must complete 21 semester hours in the department as follows: 109, 110 and 280; and 12 hours at the 200-level or higher.

Minor in Public Relations. Students must complete 24 credit hours as follows: 109, 110, 205, 218, 280, 302, 314; 330 or 342.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

### ***General Communication***

**102.** Principles and Practices of Public Speaking (COMMUNICATION) (3). Introduction to public speaking. Students gain experience in their ability to develop critical insights on public address performance. Work with electronic media performance is included. Fall, spring.

**103.** Interpersonal Communication (HUMANITIES) (3). Theoretical foundations for the development and maintenance of two-party relationships in American society.

### ***Argumentation and Advocacy***

**205.** Public Relations I: Introduction to Public Relations (3). Introduction to contemporary public relations theory and practice. Emphasis on persuasion and public opinion analysis. Evaluation of publics and the roles of the media in opinion change. (Prerequisite: Communication 102, or written permission of instructor.) Fall.

**212.** Small Group Processes (3). Theory and practice of group behavior, focusing on group interaction and the norms and roles existing in small groups. (Prerequisite: Communication 102.) Spring.

**268.** Nonverbal Communication (3). Survey of nonverbal communication, including body movement and gestures, facial expression and eye behavior, personal space and territory, and intercultural differences. (Prerequisite: Communication 102.)

**280.** Communication Ethics (HUMANITIES) (3). Methods of understanding ethics as a process of critical reflection in human communication. Application to both contemporary and classical subject matter. Emphasis on both interpersonal and media influences. (Prerequisite: Communication 102.) Fall.

**300.** Argumentation and Debate (HUMANITIES) (3). Theory and practice of argumentation, with attention to organization, analysis and refutation. Emphasis on the types of reasoning employed in debate situations. Students engage in classroom and taped debates. (Prerequisite: Communication 102.) Spring.

**302.** Persuasion (HUMANITIES) (3). Study and application of communication principles. Theories of speech types, purposes, organization and composition, focusing on both emotional and logical appeals. Students are given opportunities to participate in public speaking events outside the classroom. (Prerequisite: Communication 102.) Spring.

**308.** Mass Communication Criticism (3). Major perspectives of mass communication theory. Emphasis on television and film theory. Cross-listed with Mass Mediated Communication Emphasis. (Prerequisites: Communication 218 with a grade of C or better and Communication 280.) Fall.

**314.** Public Relations II: Mediated Corporate Communication (3). Principles and practices of corporate communication in an electronic and media influenced environment. Emphasis on communication using audio, video and computer-enhanced messages. (Prerequisite Communication 205.) Spring.

**403.** History of Communication as a Field of Study (3). Survey of communication studies from classical Greek beginnings to recent developments in electronic media. Includes offerings from classical, medieval and modern British rhetoric, emphasizing transitions in the role of the spoken word. (Prerequisite: Communication 300 or 302.)

### ***Mass Mediated Communication***

**109.** Television and Radio Studies (3). Students will participate in radio and television projects with an emphasis on performance. The course will also explore the role of the radio and television announcer, technology, and key historical figures and events. Fall, spring.

**110.** Survey of Mass Communication (HUMANITIES) (3). Survey course with emphasis on the history of the mass me-

dia and its social, cultural, economic, ethical and political impact. Fall, spring.

**210.** Radio Production (3). Performance, production and organization are emphasized. Students learn to produce live-on-tape radio productions focusing on the major program formats used in commercial and non-commercial radio. (Prerequisite: Communication 109.) Fall.

**211.** Media Activities I (1). Credit is earned for significant participation in Adrian College media operations, applicable in all areas of media operations and production. Does not count for elective credit in either the Mass Mediated or Argumentation and Advocacy track. (Prerequisite: Communication 109). Fall, spring.

**218.** Introduction to Communication/Mass Communication Theory (3). Introduction to contemporary communication and mass communication theory, including interpretation, history, models and interrelation of theories under examination. Required for majors. (Prerequisite: COMM 110 with a grade of C or better. When offered as a writing intensive course, English 101 is a prerequisite.) Fall.

**239.** Advanced Radio Production (3). Practical experience in radio operations at WVAC. Students design projects that develop expertise in radio operations/production. (Prerequisite: Communication 210.)

**307.** Broadcast Operations (3). Principles of radio and television broadcast operations. Emphasis on objectives, procedures and policies for radio and television. (Prerequisite: Communication 102, 109.)

**308.** Mass Communication Criticism (3). Cross-listed with Argumentation and Advocacy emphasis. (Prerequisites: Communication 218 with grade of C or better and Communications 280.) Fall.

**311.** Media Activities II (1). Credit is earned for significant participation in Adrian College media operations, applicable in all areas of media operations and production. Does not count for elective credit in either the Mass Mediated or Argumentation and Advocacy track. (Prerequisites: Communication 109 and Communication 211). Fall, spring.

**314.** Public Relations II: Mediated Corporate Communication (3). See course description under Argumentation and Advocacy emphasis. (Prerequisite: Communication 205.) Spring.

**318.** Television History (3). Explores significant contributions to television including technical innovation, programs, programming, aesthetics, and important personalities. This course will focus on the impact of television and its place in media history. (Prerequisite: Communication 110.) Fall.

**319.** Film History (3). This course focuses on major film genres exploring their development, impact, and characteristics. (Prerequisite: Communication 110.) Spring.

**330.** Intercultural Communication (3). Examines the communication behaviors and patterns unique to a variety of cultures as well as those of gender, racial and ethnic-based subcultures, using a balance of theory and practical application. (Prerequisites: 110, 280.)

**342.** Organizational Communication (3). This course focuses on the theories used to analyze communication within an organization such as business, industry and government. Examination of contemporary theoretical models and their implications. (Prerequisites: 110, 280.)

**416.** Topics Seminar (3). Examination of a particular topic of interest to faculty and students in mass communication. (Prerequisite: Communication 308.) With departmental approval, may be repeated with a different topic. Spring. Special and Advanced Courses

199. Exploratory Internship (1-3). Fall, spring, May and summer.

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12). Fall, spring, May and summer (May Term offering limited to 4 credit hours; Summer Term offering limited to 6 credit hours.)

**421.** Senior Project in Communication (3). With Communication Arts and Sciences advisor approval, the student designs and executes an appropriate project which provides a culminating experience for the undergraduate academic career. The project and/or an analysis thereof is presented in a departmental forum at the end of the term in which the student earns credit for the course. (Prerequisites: Communication 308 with a grade of C or better, senior status, 2.0 or higher in major, and written permission of the instructor.) Fall, spring.

**451.** Independent Study (1-3). Supervised reading and research in a special interest area of argumentation and advocacy or mass mediated communication. (Prerequisite: department chairperson's written permission and instructor's approval of a written proposal that is submitted to the department prior to registration for the course.) Fall, spring, May and summer.

**499.** Advanced Experimental Course (1-3).

## **Computer Information Systems**

The Computer Information Systems department provides students from a broad spectrum of majors and disciplines the opportunity to develop basic skills necessary to design information delivery systems. Computer Information Systems minors prepare for this role by studying foundation-level skills in software applications, database design, computer programming, information architecture, user-interface design, and other relevant areas. Students with a high level of interest and motivation should be able to develop additional skills independently in relation to their major fields of interest.

### **Minor program requirements**

To receive an Computer Information Systems minor, students must complete 21 credit hours, including 106 or 108; 250, 390; and twelve hours of the following: 104, 105, 120, 240, 251, 255, Art 218, Art 318, Art 319, ESS 375.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**104.** Computer Design Fundamentals (3). The basics of computer design: how computers work and how hardware and software function together. Students learn design principles of modern computers, build a functioning computer, and develop problem-solving techniques related to computer systems. Fall.

**105.** Operating System Fundamentals (3). The structure and functions of operating systems. Topics include the relationship of the operating system to hardware and software, memory management, data storage, networks, viruses, and data security. Practice and problem-solving related to operating systems. Spring.

**106.** Computer Programming (3). Provides a working knowledge of Visual Basic, enables students to use computer facilities, and demonstrates some of the capabilities, limitations and applications of computers. Students design programs which incorporate sorts, two-dimensional arrays, subroutines and strings, and which evaluate elementary sample statistics. (Prerequisite: Mathematics 101 or Mathematics Placement Examination.) Fall.

**108.** Web-Based Programming (3). Programming concepts fundamental to the understanding of digital technology. Using a markup language and a client-side scripting language, students learn the fundamentals of computer programming (files, strings, variables, loops, network structure, documentation, good programming practices) in a web-based environment. Fall.

**120.** Introduction to Digital Culture (3). The role of information and information technology in contemporary culture. What information do human beings need in the era of the Information Revolution? How is it organized and accessed? What social and technical problems are associated with access to information? What intellectual property issues are involved? Spring.

**140.** Business Applications for Computers (3). A practical course in business problem solving, decision making and presentation of information utilizing microcomputer technology. Through business problem simulations the student will actively solve problems while learning about microcomputer hardware configuration, operating systems, and common business microcomputer software including spreadsheets, data base management systems, and business

graphics. (Prerequisite: Math 101. Preference given to students who have completed or are currently enrolled in an accounting or business administration course. Can not apply toward Computer Information Systems minor.) Fall, spring.

**240.** Relational Databases (3). Relational database theory and structure, the development of relationships and queries. (Prerequisite: 106 or 108.) Spring.

**250.** Advanced Web-Based Programming (3). The use of advanced programming techniques, using server-side software to develop dynamic web pages. Discussion of relevant human interface issues. (Open to freshmen. Prerequisite: 106 or 108 or instructor's permission) Spring.

**251.** Data Structures in Object-Oriented Languages (3). Study of data structures (such as recursion, lists, trees, heaps, hashing) relevant to programming in object-oriented languages such as C++ and Java. (Prerequisite: 250) Offered as needed.

**255.** Interfacing with Technology (3). Techniques of interfacing computers and networks with digital and analog devices such as scientific and musical instruments. Development of projects for collecting, storing, and disseminating information electronically and controlling external objects through programming. (Prerequisite: 106 or 108) Offered as needed.

**270.** Topics (1-3). Study of a language or topic not covered elsewhere in the curriculum. May be repeated for credit with different topics. Offered as needed.

**390.** Advanced Project (3). Identification of and solution to a web-based programming problem related to the student's major. A formal presentation is made to the department, including a description of the problem, a description of the solution, user-interface questions, a well-written program, and an explanation of how the program solves the problem. (Prerequisite: department chairperson's permission.) Offered as needed.

### **Related Courses in Other Departments**

- ART 218 Digital Imaging (3).
- ART 318 Graphic Design (3).
- ART 319 Web Design (3).
- ESS 375 Geographic Information and Positioning Systems (4).

### **Special and Advanced Courses**

- 199.** Exploratory Internship (1-3).
- 299.** Experimental Course (1-3).
- 399.** Professional Internship (1-12).
- 451.** Independent Study (1-3).
- 499.** Advanced Experimental Course (1-3).

## **Earth Science**

### ***Major Program Requirements***

#### **Bachelor of Arts in Earth Science**

(33-35 hours and 10-12 hours of cognates)

##### **Earth Science B. A. Core (33-35 hours)**

- ERTH 101 Physical Geology (4)
- ERTH 102 Historical Geology (4)
- ERTH 301 Mineralogy (4)
- ERTH 302 Petrology (4)
- ERTH 307 Structural Geology (4)
- ERTH 313 Sedimentology (4)
- ERTH 315 Biostratigraphy (4)
- ERTH 318 Field and Laboratory Methods (4)
- ERTH 400 Senior Culminating Experience (1-3)

##### **Cognates (10-12 hours)**

CHEM 103 and two courses from the following: CHEM 104; PHYS 101; 102, 103, 104, 205, 206, 209, 210; MATH 115, 135, 204, 205; or CIS 106.

Bachelor of Arts candidates who plan professional earth science careers are strongly encouraged to include in their degree programs the following courses, which are usually required for entry into graduate school: Chemistry 104, Physics 101, 102 and Mathematics 115.

#### **Bachelor of Science degree in Earth Science**

(33-35 hours of Earth Science and 28 hours of cognates)

##### **Earth Science B.S. Core (33-35 hours)**

- ERTH 101 Physical Geology (4)
- ERTH 102 Historical Geology (4)
- ERTH 301 Mineralogy (4)
- ERTH 302 Petrology (4)
- ERTH 307 Structural Geology (4)
- ERTH 313 Sedimentology (4)
- ERTH 315 Biostratigraphy (4)
- ERTH 318 Field and Laboratory Methods (4)
- ERTH 400 Senior Culminating Experience (1-3)

##### **Earth Science B.S. Cognates (28 hours)**

- MATH 115 Pre-Calculus Mathematics (4)
- MATH 135, 205 Calculus I, II (4, 4)
- PHYS 205, 206 General Physics I, II (3, 3)
- PHYS 209, 210 General Physics Lab I, II (1,1)
- CHEM 103, 104 College Chemistry (4,4)

Computer Information Systems is recommended. Many graduate schools require a summer field course that is available at several field camps operated by major universities.

#### **Bachelor of Arts in Environmental Geology**

(28-31 hours and 22-23 hours of cognates)

##### **Environmental Geology Core (25-27 hours)**

- ERTH 101 Physical Geology (4)
- ERTH 102 Historical Geology (4)
- ERTH 205 Environmental Geology (4)
- ERTH 307 Structural Geology (4)
- ERTH 313 Sedimentology (4)

- ERTH 318 Field and Lab Methods (4)
- ERTH 400 Senior Culminating Exp. (1-3)

#### **Earth Science Electives (3-4 hours)**

##### **Cognates (22-23 hours)**

- ESS 375 Geographic Information and Positioning Syst. (4)
- CHEM 103, 104 General Chemistry (4, 4)
- CIS 106 Computer Programming (3)
- BIOL 217 Principles of Ecology (3)
- BIOL 218 Ecology Lab (1)
- MATH 115 or 204 Pre-calculus (4); Statistics (3)

#### **Bachelor of Arts with Teacher Certification in Earth Science.**

See the Teacher Education section of the catalog.

#### ***Minor and Associate Program Requirements***

The Associate of Arts degree and the minor in earth science each require 18 semester hours of credit in the department.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**101.** Physical Geology (NATURAL SCIENCE/LABORATORY) (4). The rocks, landscapes and structures of the earth's surface and the processes that produced them, including volcanism, earthquakes, landslides, glaciation and continental drift. Mineral and rock identification, topographic map reading and geologic map interpretation are covered in laboratory sessions. A field trip of Lenawee County glacial geology is included. Three lectures, one 2-hour laboratory per week. Fall, spring.

**102.** Historical Geology (4). The geologic history of the earth from its origin to the present, with emphasis on the many physical changes that have occurred and the origin and development of life as revealed by fossils and the rock record. Three lectures, one 2-hour laboratory per week. (Prerequisite: Earth Science 101 or permission of instructor.) Spring.

**103.** Descriptive Astronomy (NATURAL SCIENCE/LABORATORY) (4). Observational and theoretical studies of the solar system and the extra-solar system. Topics include the telescope, planets and their satellites, asteroids, comets, meteors, the sun as a star, characteristics of stars, galaxies, interstellar matter, and the possibility of life elsewhere in the universe. Three lectures, one 2-hour laboratory per week. Fall of alternate years.

**104.** Regional Geography (3). The regions of the world defined climatically to emphasize the interrelationships between human occupancy and climate, vegetation, soils and geology. Fall.

**107.** Geology of National Parks (NATURAL SCIENCE/LABORATORY) (4). An overview of the geology of U.S.

National Parks. Unifying geological principles emphasized. Major topics: sandstone parks, volcanic parks, hot springs and geothermal areas, caves and limestone parks, reefs and fossilized reefs, rivers and erosion, ice and glaciers, mountain building and mountain ranges. Three lectures, one 2-hour laboratory per week. Fall of alternate years.

**108.** Natural Disasters (NATURAL SCIENCE/LABORATORY) (4). An examination of the causes, effects, and options available to mitigate natural disasters, such as earthquakes, volcanic eruptions, landslides, subsidence, coastal erosion, flooding, severe weather, and wildfires. Three lectures, one 2-hour laboratory per week. Spring.

**201.** Weather and Climate (3). Introduces the nature and causes of meteorological phenomena, severe weather, and climatic pattern. Topics include: temperature, humidity and precipitation; pressure and wind; weather prediction; hurricanes, tornadoes and thunderstorms; the climatic history of the earth; effect of human activities on weather and climate, and of weather and climate on humans. (Does not satisfy the laboratory science requirement.)

**204.** Oceanography (3). The distribution of the earth's land and water. Topics include the nature, relief and erosion and other changes affecting the sea floor; the properties of sea water; and marine sedimentation, tides, currents and waves. (Does not satisfy the laboratory science requirement.)

**205.** Environmental Geology (3). The interaction between natural systems and society, including the effects of volcanic activity, earthquakes, landslides, mineral and energy resources, soil contamination, surface and ground water pollution, waste management, and climate change. Two lectures, one 3-hour laboratory per week. Fall of alternate years.

**301.** Mineralogy (4). Crystallography, atomic structure and bonding, phase equilibria and crystal chemistry, and the megascopic identification and descriptive mineralogy of nonsilicate and silicate minerals. Two lectures, one 3-hour laboratory per week. (Prerequisite: Chemistry 103.) Offered as needed.

**302.** Petrology (4). The origin, classification and occurrence of igneous, metamorphic and sedimentary rocks, with emphasis on megascopic and optical techniques. Two lectures, one 3-hour laboratory per week. (Prerequisite: Earth Science 301.) Offered as needed.

**307.** Structural Geology (4). The behavior of rocks under various kinds of force, with analysis of resulting structural features, including folds, joints and faults, and the nature of the forces that produced them. These concepts are applied to understanding the basic structural and tectonic framework of North America. Two lectures, one 3-hour laboratory per week. (Prerequisite: Earth Science 101.) Offered as needed.

**309.** T ED Exam Prep (1). A cursory examination and review of basic concepts from physical geology, historical geology, astronomy, meteorology, oceanography, and envi-

ronmental geology. Judicious data evaluation and lab safety techniques. Practice exams based on MTTC standards. One hour of class per week. Offered as needed.

**313.** Sedimentology (4). Sedimentary rocks, the environments of deposition they represent, techniques employed in their study, the processes that produced them and their many characteristics; how these characteristics are used to reconstruct ancient environments and geologic history. Three lectures, one 1 1/2-hour laboratory per week. A field trip to West Texas or West Virginia is required. (Prerequisites: Earth Science 101, 102 and permission of instructor.) Offered as needed.

**315.** Biostratigraphy (4). Invertebrate fossils, with particular emphasis on their use in the correlation and reconstruction of ancient environments and geologic history. Three lectures, one 1 1/2-hour laboratory per week. A field trip to Southern Ohio is required. (Prerequisite: Earth Science 313 or permission of instructor.) Offered as needed.

**317.** Introduction to Geomorphology (4). The geological processes that form landscapes, including coverage of surficial geological materials and soils; the physics and chemistry of weathering; the dynamics of streams; wind, waves, glacier ice and mass movement; and the interactions of geomorphology and the environment. Three lectures, one 2-hour laboratory per week. (Prerequisites: Earth Science 302 and 307, Chemistry 101 or 103, Mathematics 125 or permission of instructor.) Offered as needed.

**318.** Field and Laboratory Methods (4). Familiarization with basic field and laboratory techniques, including maps, mapping instruments, air photographs, photography, data reproduction and presentation, sources of geologic information and planning field work and reports. A field problem is required. Two lectures, two 2-hour laboratories per week. (Prerequisites: Earth Science 307 and 313 or permission of instructor.)

**342.** Optical Techniques (4). The basic principles and techniques of mineral identification using the petrographic microscope, with emphasis on the oil immersion technique, identification of opaque and non-opaque minerals in thin section and determination of rock type by point counting. Two lectures, two 2-hour laboratories per week. (Prerequisites: Earth Science 301 and 302.) Offered as needed.

**400.** Senior Culminating Experience (1-3). Original research and writing on an earth science or environmental geology topic. A formal presentation of the final product is required.

### *Special and Advanced Courses*

199. Exploratory Internship (1-3).

299. Experimental Course (1-3).

399. Professional Internship (1-12).

451. Independent Study (1-3). A program of independent study supervised by a departmental faculty member. The work may be theoretical, experimental or a field problem. May be repeated. (Prerequisite: departmental written permission.)

499. Advanced Experimental Course (1-3).

## **Economics**

The study of economics provides a basis for diverse applications. For those seeking placement directly upon graduation, career opportunities exist in business and government involving management, administration, research, development and forecasting. The Bachelor of Arts degree in economics also provides excellent preparation for graduate study – in economics itself, or in business, law, public administration and other areas.

### ***Major Program Requirements***

#### **Bachelor of Arts degree in Economics**

(34 hours of Economics and 3 hours of cognates)

##### **Economics core (18 hours)**

ECON 201	Microeconomics (4)
ECON 202	Macroeconomics (4)
ECON 320	Intermediate Macroeconomics (4)
ECON 321	Intermediate Microeconomics (4)
ECON 401	Senior Research (2)

##### **Economics electives (16 hours)**

##### **Economics cognates (3 hours)**

MATH 204	Elementary Statistics
or MATH 314	Mathematical Prob. & Statistics II (3)

It is strongly recommended that economics majors, especially those interested in graduate school, also complete Mathematics 135 and 205.

An economics major may elect to have one of the following three areas of concentration: Public Policy, requiring completion of the core courses plus Economics 310, 317, 318 and another four-hour economics course; Global Economics, requiring Economics 223, 319 and two other 4-hour economics courses in addition to the core courses; or Banking and Commerce, requiring Economics 301, 302, 317 and 319 in addition to the core. Alternatively, a student can major in economics without a concentration by completing the core courses, any four other economics courses and the mathematics requirement.

#### **Bachelor of Arts With Teacher Certification in Economics.**

See the Teacher Education section of the catalog.

### ***Minor and Associate Program Requirements***

The department also offers the Associate of Arts degree in economics. The associate's degree and the minor in economics each require 20 semester hours in the subject, including Economics 201, 202, 320, 321 and 4 hours of electives.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**201.** Principles of Microeconomics (SOCIAL SCIENCE) (4). General microeconomic theory, including an introduction to theories of consumer behavior, product demand, cost and supply, production, the firm and its markets, capital and pricing factors. The lives and work of selected important economists are also studied, with emphasis on the development of microeconomic ideas. (Open to freshmen; may be taken before or after Economics 202.) Fall, spring.

**202.** Principles of Macroeconomics (SOCIAL SCIENCE) (4). General macroeconomic theory and the relationship of economics to other social sciences, including principles and theories of national income determination, consumption, investment, savings, business cycles, prices and money, the banking system, monetary and fiscal policy and international trade and growth. The lives and work of selected important economists are also studied, with emphasis on the development of macroeconomic ideas. (Open to freshmen; may be taken before or after Economics 201.) Fall, spring.

**223.** Economics of Developing Countries (SOCIAL SCIENCE, NON-WESTERN) (4). Economic conditions of developing countries and causes of their slow growth, including a survey of the various theories of economic development. Topics include the relationships of developing countries with developed countries and with various international agencies such as the United Nations and the World Bank. (Open to freshmen.)

**301.** Economics of Money and Banking (4). Definition and role of money in the economy: classical, Keynesian and modern views will be covered. Brief discussion of how banking system creates money. Role and management of money in international context. (Prerequisites: Economics 202.)

**302.** Money and Capital Markets (4). Money and capital markets are the mechanisms for converting people's savings into investments. The course provides a comprehensive view of how such markets function. It analyzes all major types of financial institutions and financial instruments. The course also focuses on how public policy issues and the economic environment interact with money and capital markets. (Prerequisite: Economics 202.)

**310.** Public Finance (4). Principles of fiscal development, the countercyclical effectiveness of fiscal measures, budgeting, revenue and public expenditures, debt structure and management, and the incidence and effects of taxation. (Prerequisites: Economics 201 and 202.)

**311.** Topics in Economics (1-4). Special topics including but not limited to the economics of social welfare, contemporary economic issues and the economics of ethnic groups. Offered occasionally.

**317. Collective Bargaining and Labor Problems (4).** Economic factors involved in labor analysis and an examination of the topics of labor unrest, labor and management organizations and recent developments in labor relations. The course begins with a history of the labor movement and concludes with a consideration of modern labor legislation. (Prerequisites: Economics 201 and 202.)

**318. Industrial Organization (4).** Market structures ranging from perfect competition to monopoly and evaluation of the social benefits from each; philosophies and practices of government regulation to improve market performance. (Prerequisites: Economics 201 and 202.)

**319. International Economics (4).** Topics include the balance of payments; comparative costs (including opportunity costs), general equilibrium theory, price elasticity, income absorption and combined approaches to currency revaluation and devaluation problems; and foreign exchange problems and international trade and finance policy considerations. (Prerequisites: Economics 201 and 202.)

**320. Intermediate Macroeconomics (4).** Aggregate economic theory of consumption, investment savings, money, interest, the price level and economic growth and fluctuations as related to determination of national income and employment. (Prerequisites: Economics 202.)

**321. Intermediate Microeconomics (4).** Price and market analysis, allocation of resources, the theory of consumer preferences and distribution of income. (Prerequisites: Economics 201 and 202.)

**322. Econometrics (4).** The construction of economic models using mathematical techniques, for the purpose of testing theory empirically and forecasting economic events. (Prerequisites: Economics 320 and 321; Mathematics 204.)

**401. Senior Research (2).** Independent study on an economic topic approved by the department, requiring preparation of a well-researched paper, under the supervision of an economics department faculty member. For economics majors only. (Prerequisites: Completion of core courses, senior status.)

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-4).

**299.** Experimental Course (1-4).

**399.** Professional Internship (1-12).

**451.** Independent Study (1-4). Topics include but are not limited to intermediate economic analysis, econometrics, linear programming, dynamic systems, classical and Keynesian thought, economic systems and selected current economic problems. (Prerequisite: written departmental permission.)

**499.** Advanced Experimental Course (1-4).

## **English**

The English department offers students an opportunity to increase their knowledge of language and their appreciation of literature as ways of understanding human relationships and humane values. In addition, the Department offers a variety of writing courses from introductory to advanced study in journalism, creative writing and non-fiction writing. This study of literature, language and writing helps prepare English majors for graduate study, the teaching profession and many other careers. Some career paths, such as journalism, publishing, public relations and editing, are directly related to undergraduate study in English. English is also an excellent preprofessional major for fields as diverse as law, library science, business, environmental studies and medicine.

The English Major. English majors choose one of four areas to emphasize: literature, writing, journalism or teacher education. Students interested in Teacher Education should seek the guidance of that Department and the English Department before beginning their sophomore year. All English majors earn the Bachelor of Arts degree.

English courses numbered 081 through 101 and 119, 120 and 190 do not count in the 46-hour limitation on departments.

### ***Major Program Requirements***

#### **Bachelor of Arts in English with Emphasis in Literature** (36 hours)

##### **Literature Core (24 hours)**

ENGL 230	Methods of Literary Study (4)
ENGL 241 or 242	Survey of British Literature I or II (4)
ENGL 254	Survey of American Literature (4)
ENGL 332	English Language (4)
ENGL 342	Shakespeare (4)
ENGL 407	Senior Seminar in Literature (4)

##### **English Electives (12 hours)**

Two literature courses from 340, 341, 343, 344, 345, 346, 349  
One writing course from 201, 203, 271

#### **Bachelor of Arts in English with Emphasis in Writing** (35-36 hours)

##### **Writing Core (20 hours)**

ENGL 201	Expository Writing (4)
ENGL 203	Creative Writing (4)
ENGL 230	Methods of Literary Study (4)
ENGL 241 or 242 or 254	Survey of British Literature I or II, Survey of American Literature (4)
ENGL 401	Senior Seminar in Writing (4)

##### **English Electives (15-16 hours)**

One course from 271, 310  
One writing course from 301, 304, 305, 306  
Two literature courses from 340, 341, 342, 343, 344, 345, 346, 349

Bachelor of Arts in English with Emphasis in Journalism  
(35-36 hours)

**Journalism Core (25 hours)**

ENGL 230	Methods of Literary Study (4)
ENGL 241 or 242 or ENGL 254	Survey of British Literature I or II Survey of American Literature (4)
ENGL 271	Introduction to Journalism (4)
ENGL 371	Community News Gathering and Writing (4)
ENGL 372	Advanced News Gathering and Writing (4)
ENGL 399	Internship (1)
ENGL 401 or ENGL 407	Senior Seminar in Writing (4) Senior Sem. in Literature (4)

**English Electives (7-8 hours)**

One literature course from 340, 341, 342, 343, 344, 345, 346, 349  
One writing course from 201, 203, 301, 304, 305, 306, 310.

**Cognates: (3 hours)**

COMM 110 Survey of Mass Communications (3)

Journalism students are strongly encouraged to complete ART 218 Digital Imaging and ART 318 Graphic Design.

Bachelor of Arts with Teacher Certification in English

See the Teacher Education section of the catalog.

**Minor and Associate Program Requirements**

Associate's degree in English. Students wishing to earn an Associate of Arts degree with an area of concentration in English must complete a minimum of 24 hours in English at the 200-level or above, including 230; 241 or 242; 254; and 342. In addition, candidates for the Associate's degree must take one literature course from 340, 341, 343, 344, 345, 346 and 349; and one writing course from 201, 203 and 271. At least 12 of the 24 hours must be completed at Adrian College.

To minor in English, students must complete 20 credit hours in English courses numbered 201 or above, including 230; 241 or 242; and 254. In addition, minors are required to take one literature course from 340, 341, 342, 343, 344, 345, 346 and 349; and one writing course from 201, 203 and 271.

To minor in writing, students must complete 5 courses selected from the following. Select at least three from among: B AD 242, CHEM 222, ENGL 200, 201, 202, 203, 271 and at least two from among: THRE 310, ENGL 301, 304, 305, 306, 371, 372. Students may not select both THRE 310 and ENGL 306.

The English Department strongly believes in the values of a liberal arts education, and therefore encourages its majors to pursue other academic interests. This may mean choosing another field to create a double major or developing one or two minors to complement the study of English. Fields of study that are particularly close to English include Languages, History, Theatre, the Arts, Philosophy and Religion. English is also a complementary major with diverse fields of study from Business, to the natural sciences, to the social sciences.

The English Department recommends that students go beyond the College's language requirement and continue more advanced study in their second language or explore a third language. This is especially important to those students planning to attend graduate school.

After each course description is an indication of when the course is expected to be offered. Schedules are subject to change; students should confirm semester offerings with the Department when planning their programs.

**Freshman English**

**101.** Freshman Writing (4). Development of composing and revising skills throughout the writing process. Instruction in academic report writing, including: 1) library, interview and on-line research; 2) issues of plagiarism; and 3) methods of documentation. Includes small group workshops and individual conferences with instructor. (Required of all students except may be waived through AP placement examination; must be repeated if grade earned is NC.) Fall, spring.

**Writing**

**200.** Literature and Writing (4) (HUMANITIES). A writing-intensive course focusing on the ways readers and writers use literature to think about complex issues. In addition to various formal and informal writing assignments, the course will include a significant research component wherein students will conduct library research and produce an appropriately documented paper. Topics will vary. (Prerequisite: English 101 and sophomore standing.) Offered as needed.

**201.** Expository Writing (4). Writing experience and study of professional texts, focused on effective handling of fundamental issues: focus of exploration, topic selection, genre selection, technical concerns and audience. (Prerequisite: English 101 and sophomore standing.) Fall.

**202.** Science Writing (4). Focuses on skills necessary for writing in the social and physical sciences. Basic principles of rhetoric and how those principles apply to clear and accurate science writing. Students will create a variety of documents, including lab reports, summaries, and abstracts. Significant library and internet research, which students will use to write proposals, literature reviews, instructions, and references/works cited pages in several documentation styles. (Prerequisite: English 101.) Offered once a year.

**203.** Creative Writing (HUMANITIES) (4). The writing of poetry, fiction, or plays at an introductory level. The course offers coaching about craft issues and includes study of professional texts. Course will include small-group workshops and conferences with instructor. (Prerequisite: English 101 and sophomore standing.) Spring.

**301.** Writing Nonfiction (4). Emphasizes a balance between writing that relates to the self and writing that relates to the larger world. Instruction, experience and reading in topics that may include reflective writing, essay writing, writing to take action, and expository writing. Includes small-group workshops and conferences with instructor. (Prerequisite: English 201, 203 or 271.) Offered in rotation.

**304.** Advanced Creative Writing: Poetry (4). Advanced writing experience focusing on poetry. Includes coaching, writing experience and the study of professional texts. Students will revise toward professional-level performance. Includes small-group writing workshops and conferences with instructor. (Prerequisite: 201, 203 or 271.) Offered in rotation.

**305.** Advanced Creative Writing: Fiction (4). Advanced writing experience focusing on fiction. Includes coaching, writing experience and the study of professional texts. Students will revise toward professional-level performance. Includes small-group writing workshops and conferences with instructor. (Prerequisite: 201, 203 or 271.) Offered in rotation.

**306.** Advanced Creative Writing: Drama (3-4). Advanced writing experience focusing on drama. Includes coaching, writing experience and the study of professional texts. Students will revise toward professional-level performance. Includes small-group writing workshops and conferences with instructor. (Prerequisite: 201, 203 or 271.) Offered in rotation.

**310.** Teaching Writing (4). Designed for all prospective elementary teachers and secondary teachers of English. Offers study of prominent teaching philosophies and methods in the field of writing. Provides a writing workshop experience demonstrating such methods. Includes experience working with students from local schools, and individual conferences with instructor. (Prerequisite: English 201, 203 or 271.) Fall.

**401.** Writing Seminar (4). Explores theoretical questions about writing, such as gender and language or the relationship between written language and the empirical world. Includes texts by teachers, creative writers, writing theorists and philosophers of language. Students prepare major papers and meet individually with instructor. (Prerequisites: English 230 and one 300-level writing class.) Spring.

## Literature

**230.** Methods of Literary Study (4). Methods, terminology and library resources useful to students of literature, including investigation of the history and ethical implications of literary criticism and practice in writing about literature. (Prerequisite: English 101 and sophomore standing.) Spring.

**241.** Survey of British Literature I (HUMANITIES) (4). Major works of British literature through the Eighteenth century. (Prerequisite: English 101 and sophomore standing.) Fall.

**242.** Survey of British Literature II. (HUMANITIES) (4). Major works of British literature from the Nineteenth, Twentieth, and Twenty-first centuries. (Prerequisite: English 101 and sophomore standing.) Spring.

**250.** Special Topics (HUMANITIES) (4). A study of litera-

ture and cultural contexts designed around a theme or topic. The course will have significant writing and research components. (Open to freshmen.) Offered as needed.

**254.** Survey of American Literature (HUMANITIES) (4). Major works of American literature. (Prerequisite: English 101 and sophomore standing.) Fall, spring.

**255.** Studies in Non-Western Literature (HUMANITIES, NON-WESTERN) (4). Literary works outside the traditions of European and American literature. The works studied may vary greatly from year to year. (Prerequisite: English 101.) Offered as needed.

**285.** Literature in Focus (1). A reading and discussion course typically concentrating on one long work of literature, such as Tom Jones, Middlemarch or Ulysses. May be taken four times with different subjects. Open to freshmen.

**340.** Medieval Literature Including Chaucer (4). Eighth to Fifteenth century literature. Works may include Beowulf and Anglo-Saxon poetry in translation; Arthurian Romances; Piers Plowman; Gawain and the Green Knight; Canterbury Tales; and Troilus and Criseyde. (Prerequisite: English 230 and one of the following: 241, 242 or 254.) Offered in regular rotation.

**341.** Sixteenth and Seventeenth Century Literature (4). Major developments in poetry, prose and drama. May include works by Wyatt, Surrey, Sidney, Marlowe, Spenser, Jonson, Donne and Milton. (Prerequisite: English 230 and one of the following: 241, 242 or 254.) Offered in regular rotation.

**342.** Shakespeare (4). A selection of Shakespeare's plays including comedies, tragedies, histories and/or romances. (Prerequisite: English 230 and one of the following: 241, 242 or 254.) Offered once each year.

**343.** Eighteenth Century Literature (4). May include such authors as DeFoe, Fielding, Swift, Pope, Johnson, Sterne, Wollstonecraft, Equiano, Franklin and Paine. (Prerequisite: English 230 and one of the following: 241, 242 or 254.) Offered in regular rotation.

**344.** Romantic to Victorian Literature (4). Literature from the Romantic to mid-Victorian periods in England and America. Authors may include Wordsworth, Austen, Byron, Keats, P.B. Shelley, M. Shelley, Poe, Hawthorne, Melville, Stowe, Douglas, Dickens, the Brontës, Emerson, Thoreau, and Tennyson. (Prerequisite: English 230 and one of the following: 241, 242 or 254.) Offered in regular rotation.

**345.** Realism and Naturalism (4). Literature from the late Nineteenth to early Twentieth century. Authors may include Whitman, Dickinson, Twain, Hardy, James, Hopkins, Conrad, Chopin, and Yeats. (Prerequisite: English 230 and one of the following: 241, 242 or 254.) Offered in regular rotation.

**346.** Modernism and Postmodernism (4). Literature of

Modernism and its rise and Postmodernism. Authors may include Woolf, Joyce, Frost, Faulkner, Cather, Wright, Garcia Marquez, Morrison, Atwood, Rich, and Gordimer. (Prerequisite: English 230 and one of the following: 241, 242 or 254.) Offered in regular rotation.

**349.** Post-Colonial Literature (NON-WESTERN) (4). A study of the literature and theory of Post-Colonialism. The specific literature studied, which may vary from year to year, comes from societies that are not historically European. This may include works from Africa, the Pacific, India and the Caribbean. (Prerequisites: English 230 and one of the following: 241, 242 or 254.) Offered in regular rotation.

**360.** Children's Literature (3). Poetry and prose selected especially for children, including both classic and recent works, with attention to notable illustrators and publishers. Designed for students preparing for elementary teaching or library work, the course is credited toward a planned minor but not toward a departmental major or minor. Spring.

**361.** Adolescent Literature (3). Poetry and prose selected especially for adolescents, including both classic and recent works. Designed for students preparing for secondary teaching or library work. Does not satisfy the requirement for a 300-level literature course for the English major. Offered as needed.

**407.** Literature Seminar (4). An in-depth study of a movement, genre, specific author or other subject related to literature. May be repeated once for credit. (Prerequisite: one course numbered 340-349.) Fall.

### **English Language**

**332.** English Language (4). A study of the form, structure and history of English. Topics may include grammar, syntax, language acquisition, sound and structure changes, the influence of migration and the political implications of language. (Prerequisite: English 101.) Fall 09.

### **Journalism**

**271.** Introduction to Journalism (4). Practical application of principles of news Gathering and writing. An overview of the journalistic process through text and newspaper readings, discussions, and hands-on reporting. (Prerequisite: English 101.) Fall.

**371.** Community News Gathering and Writing (4). Covering local government, police, press conferences and courts through beat reporting. (Prerequisite: English 271). Spring.

**372.** Advanced News Gathering and Writing (4). Special topics including features, columns, editorials, and narrative articles; culminating in the Enterprise Story. (Prerequisite: English 271) Fall.

### **Special and Advanced Courses**

**199.** Exploratory Internship (1-4).

**299.** Experimental Course (4).

**399.** Professional Internship (1-12).

**451.** Independent Study (1-4). Advanced study in areas beyond regular course offerings. (Prerequisite: written departmental permission.)

**499.** Advanced Experimental Course (4).

### **Skill Courses**

Students completing skills courses 081, 090, or 091 will receive institutional credit for the computation of financial aid and grade point average. Students completing 119, 120, or 190 will receive institutional and graduation credit.

**081.** College Reading and Critical Thinking (1). Using a strategic, content-based approach, students learn to apply questioning techniques, writing strategies and critical thinking skills to their college reading. Students should be concurrently enrolled in a heavy-reading content course. May be repeated with permission of instructor.

**090.** Study Skills I (1). Personal and academic growth through the application of learning principles to college study. Students assess their learning styles and analyze current learning theory to develop effective study strategies. Emphasis is placed on applying strategies to individual learning goals and monitoring effectiveness. May be repeated with permission of instructor.

**091.** Study Skills/Study Table (1). Students analyze the relationships of athletic and academic success as they develop effective study strategies. Strategies and learning principles are applied to individual learning goals. Recommended for freshman athletes.

**119.** Speed Reading (1). Improve reading rate with paced/timed exercises. Through eye pattern training, the eyes make fewer fixations. This effective technique will decrease the amount of time reading while improving comprehension.

**120.** Research Paper Writing (1). Systematic explanation of the process of research writing. Students develop the necessary technical skills for the completion of a polished research paper.

**190.** Reading Preparation for the GRE, LSAT, and MCAT (1). Identification and application of the critical reading and test-taking skills required by pre-professional exams such as the GRE, LSAT, and MCAT. Class time is spent critically analyzing reading passages, developing vocabulary and analogous reasoning capabilities, developing appropriate reading strategies and practicing test-taking skills. Instruction is individualized and test specific.

### **Environmental Studies/ Science Program**

The Environmental Studies/Science program, which leads to a Bachelor of Arts degree, is multidisciplinary in nature, combining arts, humanities and sciences. It is designed to prepare students to enter a variety of environmental careers, both scientific and non-scientific in nature. The core of the major consists

of the introductory Environmental Perspectives and Careers course, illustrating the diverse nature of the field and options available in environmental careers; the course entitled Environmental Problems and Solutions, which investigates solutions to environmental problems; and the Senior Culminating Experience. Students can major in either an arts and humanities oriented Environmental Studies program or a science oriented Environmental Science program. Recognizing that environmental careers require skills developed in other academic areas, ESS students in environmental studies are required to have a second major. ESS students in environmental science are required to have a minor or a second major in either Biology, Chemistry, Earth Science or Physics. Related internships are strongly recommended.

### **Major Program Requirements**

#### **Bachelor of Arts in Environmental Studies**

(30 hours from various departments; requires a second major)

#### **Environmental Studies Core (5-7 hours)**

- ESS 125 Environmental Perspectives and Careers (2)
- ESS 325 Environmental Problems and Solutions (2)
- ESS 400 Senior Culminating Experience (1-3)

#### **Environmental Studies Cognate Electives (23-25 hours)**

- 3 of the following: EARTH 205, PHIL 304, PSCI 345, or SOC 309 (10-11)
- Career-related electives\* (12-16)

Electives must be approved by the ESS chair and the chair in the second major.

Statistics (Mathematics 204 or Psychology 211), Computer Information Systems 106 and related internships are strongly recommended for graduate preparation.

Bachelor of Arts in Environmental Science (30 hours from various departments; 24 hours of cognates; requires a second major)

#### **Environmental Studies Core (5-7 hours)**

- ESS 125 Environmental Perspectives and Careers (2)
- ESS 325 Environmental Problems and Solutions (2)
- ESS 400 Senior Culminating Experience (1-3)

#### **Environmental Science Cognate Electives (23-25 hours)**

- 1 of the following: EARTH 205, PHIL 304, PSCI 345, or SOC 309 (3-4)
- Career-related electives\* (19-22)

\*Electives must be approved by the ESS chair and the chair in the second major.

#### **Environmental Science Cognates (24 hours)**

- BIOL 103 Plant Biology (4)
- BIOL 104 Animal Biology (4)
- BIOL 217, 218 Principles of Ecology, Laboratory (3,1)
- CHEM 103, 104 General Chemistry I, II (4,4)
- ERTH 101 Physical Geology (4)

Statistics (Mathematics 204 or Psychology 211), Computer Information Systems 106 and related internships are strongly recommended for graduate preparation.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**125.** Environmental Perspectives and Careers (2). An investigation of environmental perspectives from a variety of disciplines and their relationship to environmentally related careers. The course will include representatives from many academic departments and off-campus professionals and requires that a four-year curriculum be designed for career preparation. Spring.

**325.** Environmental Problems and Solutions (2). An investigation of current environmental problems and possible solutions offered from different perspectives. Students will prepare a proposal dealing with a possible solution to an environmental problem. The proposal will reflect the academic interest and perspective of each student (their minor or major) and will serve as preparation for ESS 400. (Prerequisite: 125 and sophomore standing.) Spring.

**375.** Geographic Information and Positioning Systems (4). Historical perspective of how maps are made and global positions determined and the current means of employing computer and satellite technology using geographic information systems (GIS) and global positioning systems (GPS). Three hours lecture, three hours laboratory per week. (Prerequisites: EARTH 101, MATH 115 and a 200-level Biology or Earth Science course.)

**400.** Senior Culminating Experience (1-3). Original research writing, performance or show on an environmental issue. A formal presentation of the final product is required. (Prerequisite: 325.) Fall.

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3). Does not count toward a departmental major.

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12).

**451.** Independent Study (1-3). A program of supervised reading, research or work in an area of special interest to the student. (Prerequisite: written departmental permission.)

**499.** Advanced Experimental Course (1-3).

### **Exercise Science/Physical Education**

The objective of the department of exercise science and physical education is to offer each student an experience that blends academic preparation with practical application. The professional preparation program is designed to broaden students' career opportunities by offering three majors and one minor.

The program is designed to prepare students to teach (K-12), coach, assume appropriate positions in a variety of health/fitness related professions, or to continue in a specialized graduate program.

### **Major Program Requirements**

#### Bachelor of Arts in Exercise Science

(34 hours of Exercise Science and 19 hours of cognates)

##### **Exercise Science Core (34 hours)**

- ESPE 133 American Red Cross Water Safety Instructor (1)
- ESPE 201 Red Cross First Aid and Emergency Care (2)
- ESPE 115 Care and Prevention of Athletic Injuries (3)
- ESPE 225 Anatomy (3)
- ESPE 230 Motor Learning and Development (3)
- ESPE 250 Human Physiology (3)
- ESPE 300 Kinesiology (3)
- ESPE 309 Theory and Practice (1)
- ESPE 311 Exercise Physiology (4)
- ESPE 336 Exercise Testing and Prescription (2)
- ESPE 339 Strength and Conditioning (2)
- ESPE 350 Measurement and Evaluation (2)
- ESPE 399 Internship (3)
- ESPE 404 Senior Seminar (2)

##### **Exercise Science Cognates (19 hours)**

- BIOL 104 or 101 Animal Biology or Biology & Soc (4)
- BIOL 209 Human Nutrition (3)
- MATH 115 Pre-Calculus Mathematics (4)
- CHEM 103, 104 College Chemistry I, II (4, 4)

##### **Areas of Concentration within Exercise Science Major (optional)**

An exercise science major may elect one of the following areas of concentration.

- I. Pre-Physical Therapy. For students interested in pursuing a graduate degree, the following courses are recommended: Biology 455; Computer Information Systems 106; Mathematics 135; Mathematics 204 or Psychology 211; Physics 101, 102; Psychology 100. Also recommended: English 201, English 301; Philosophy 344. Students should consult the catalogs of schools in which they are interested for specific admissions requirements.
- II. Corporate fitness: The basic exercise science major plus the following: Business Administration 230, 241, 242.

#### Bachelor of Science in Athletic Training

Certified athletic trainers are health care professionals who specialize in preventing, recognizing, managing and rehabilitating injuries that result from physical activity. As part of a complete health care team, the certified athletic trainer works under the direction of a licensed physician and in cooperation with other health care professionals, athletics administrators, coaches and parents.

Students who want to become certified athletic trainers must earn a degree from an accredited athletic training curriculum. Accredited programs include formal instruction in areas such as injury/illness prevention, first aid and emergency care, as-

essment of injury/illness, human anatomy and physiology, therapeutic modalities, and nutrition. Classroom learning is enhanced through clinical education experiences.

To become certified athletic trainers, students must pass a comprehensive test administered by the Board of Certification. Once certified, they must meet ongoing continuing education requirements in order to remain certified <[www.nata.org](http://www.nata.org)>.

##### **Retention Criteria:**

**Sophomore Retention:** After freshman year, students must apply to be formally reviewed for retention in the athletic training major. Because there are specific accreditation standards regarding maximum enrollment, retention in the athletic training major is competitive, and will be based on students' performance in the following areas:

- Minimum cumulative GPA of 2.75
- Minimum GPA in major courses 3.00
- Completion of the following courses with a grade of C- or better: ESPE 140, ESPE 201, ESPE 100, ESPE 115, and ESPE 142, BIOL 101 or 104
- Interview with athletic training faculty/staff  
Prior to enrolling in sophomore level athletic training clinical coursework (ESPE 241,242) students must have the following on file:
- Signed technical standards  
Proof of current CPR for the professional rescuer (or equivalent), and first aid certifications
- Proof of a current health history, immunization review (including Hepatitis B vaccine), and physical examination (performed by an MD, DP, NP, or PA) that verifies a student is able to meet the physical and psychological rigors of the program.
- Proof of annual OSHA training

**Junior and Senior Retention:** Student performance will be evaluated each semester, and retention will be based on the following criteria:

- Minimum cumulative GPA of 2.75
- Minimum GPA in major courses 3.00
- Completion of athletic training core coursework with a grade of C- or better

Prior to enrolling in junior and senior level athletic training clinical coursework (ESPE 341,342,441) students must have the following updates on file:

- Proof of current CPR for the professional rescuer (or equivalent), and first aid certifications
- Proof of annual OSHA training

##### **Probation**

Students who do not meet minimum retention criteria will be placed on probation, and will have one year to rectify the deficiency. If deficiencies are not corrected within the one year period, the student will be dismissed from the athletic training major.

##### **Transfer Students**

Information regarding Adrian College's transfer policies can be found in the Academic Catalog, under the Admissions section. Students wishing to transfer into the athletic training major will be held to the sophomore retention standards listed

above. Transfer acceptance is contingent on space availability, and performance level in the stated criteria.

### **Athletic Training Core (51 hours)**

- ESPE 115 Care and Prevention of Athletic Injuries (3)
- ESPE 140 Athletic Training Clinical Observation (1)
- ESPE 142 Orthopedic Taping and Wrapping (1)
- ESPE 201 Red Cross First Aid and Emergency Care (2)
- ESPE 215 Orthopedic Assessment I (3)
- ESPE 216 Orthopedic Assessment II (3)
- ESPE 220 Therapeutic Modalities (3)
- ESPE 225 Anatomy (3)
- ESPE 241 Athletic Training Clinical Skills I (2)
- ESPE 242 Athletic Training Clinical Skills II (2)
- ESPE 250 Human Physiology (3)
- ESPE 300 Kinesiology (3)
- ESPE 311 Exercise Physiology (4)
- ESPE 315 General Medical Conditions (3)
- ESPE 320 Therapeutic Exercise (3)
- ESPE 336 Exercise Testing and Prescription (2)
- ESPE 339 Theory & Appl. of Strength & Cond. (2)
- ESPE 341 Athletic Training Clinical Skills III (2)
- ESPE 342 Athletic Training Clinical Skills IV (2)
- ESPE 401 Athletic Training Administration (2)
- ESPE 441 Athletic Training Clinical Skills V (2)

### **Athletic Training Cognates (16 hours)**

- PSYC 100 General Psychology (3)
- BIOL 101/104 Biology & Society or Animal Biology (4)
- PSYC 206 Health Psychology (3)
- BIOL 209 Human Nutrition (3)
- PHIL 344 or 304 Biomedical Ethics or Ethics (3)

### Bachelor of Arts in Physical Education

(37 hours of Exercise Science)

#### **Physical Education (37 hours)**

- ESPE 133 American Red Cross Water Safety Instructor (1)
- ESPE 201 Red Cross First Aid and Emergency Care (2)
- ESPE 203 History and Principles of HPESR (3)
- ESPE 218 Rhythmic Activities (1)
- ESPE 222 Instructional Methods in Physical Education (2)
- ESPE 225 Anatomy (3)
- ESPE 230 Motor Learning and Development (3)
- ESPE 236 Sports Technique I (2)
- ESPE 237 Sports Technique II (2)
- ESPE 238 Sports Technique III (2)
- ESPE 250 Human Physiology (3)
- ESPE 302 Organization of Intramurals (2)
- ESPE 309 Theory and Practice (1)
- ESPE 311 Exercise Physiology (4)
- ESPE 333 Adapted Physical Education (3)
- ESPE 402 Admin. of Physical Educ. and Sports (3)

### Bachelor of Arts with Teacher Certification in Physical Education.

See the Teacher Education section of the catalog.

### **Minor and Associate Program Requirements**

The department also offers a minor and an Associate of Arts degree in physical education. A student minoring or pursuing an

Associate of Arts degree in physical education must complete a total of 33 semester hours, including: ESPE 133, 201, 203, 218, 222, 230, 236, 237, 238, 250, 333, 350, and 402; and Psychology 216.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

### **General Exercise Science Courses**

**100.** Principles of Fitness (FITNESS DEVELOPMENT) (2). The basic principles of fitness, with emphasis on development of a wellness concept. Various physical assessments are used to determine a student's levels of fitness and individual programs are explored for the purpose of establishing a lifetime positive attitude toward activity. Includes classroom and laboratory experience. Required of all students, recommended for out-of-season athletes. Fall, spring.

**101.** Physical Education Activities (1). The fundamental skills and techniques of various activities which students may select. May be repeated once with different activities. Additional fees for equestrian classes will apply. Fall, spring.

**109.** American Red Cross Lifeguard Training (1). Development of the skill and knowledge required in a swimming emergency. Upon satisfactory completion, students earn American Red Cross certification. (An additional fee is charged by the American Red Cross.) Fall.

**115.** Care and Prevention of Athletic Injuries (3). Classroom and laboratory experience involving the major phases of athletic injuries, with special emphasis on the initial steps of injury evaluation. Students are provided with practical experiences in injury prevention and evaluation techniques. (Prerequisites: ESPE 100 or concurrent, ESPE 201 or concurrent, BIOL 101 or 104 or concurrent, Athletic Training major, Physical Education major, Exercise Science major.)

**133.** American Red Cross Water Safety Instructor's Course (1). Methods for planning, conducting and evaluating swimming and water safety courses. (Prerequisite: ARC Lifeguard Training Course. (An additional fee is charged by the American Red Cross.) Spring.  
Professional Preparation Courses

**140.** Athletic Training Clinical Observation (1). Observation in athletic training procedures. The student gains knowledge and experiences in basic athletic training procedures and policies.

**142.** Orthopedic Taping and Wrapping (1). Laboratory experience to review and test the clinical skills related to palpation, taping, wrapping, and orthosis fabrication. Prerequisites: BIOL 101 or 104 or concurrent, ESPE 140 or concurrent, ESPE 115 or concurrent, ESPE 100 or concurrent, ESPE 201 or concurrent, Athletic Training Major.

- 201.** Red Cross First Aid and Emergency Care (2). Development of knowledge, skills and personal judgment in first aid, CPR, airway obstruction and rescue breathing. Upon satisfactory completion, students earn American Red Cross certification in First Aid, Adult, Child, and Infant CPR. (An additional fee is charged by the American Red Cross.) Open to freshmen. Fall, spring.
- 203.** History and Principles of Physical Education, Sport and Recreation (3). Relationships among physical education, sport and recreation through history, including principles, objectives and programs. Various philosophies are explored as a basis for developing a personal philosophy relating to each area. Fall.
- 215.** Orthopedic Assessment I (3). Classroom and laboratory experience will cover intermediate level orthopedic evaluation techniques. Course content will include reviewing basic injury evaluation skills, with emphasis on posture and range of motion evaluation, along with the practice and assessment of special tests. (Prerequisites: BIOL 101 or 104, ESPE 115, 142, 225 or concurrent, Athletic Training major.)
- 216.** Orthopedic Assessment II (3). Classroom and laboratory experience will cover advanced level orthopedic evaluation techniques. Course content will include reviewing basic injury evaluation skills, with emphasis on advanced special tests and neurological evaluation. (Prerequisites: ESPE 215, 225, 250 or concurrent, Athletic Training major.)
- 218.** Rhythmic Activities (1). The development of rhythmic movement principles taught in the elementary and secondary schools. Designed for elementary and secondary teachers. Open to freshmen. Fall.
- 220.** Therapeutic Modalities (3). This course explores the theory behind, and the principles of use of therapeutic modalities. Proper application techniques including indications, contraindications, and safe operating procedures will be covered. Students will gain practical experience in a laboratory setting. (Prerequisites: ESPE 115, BIOL 101 or 104, ESPE 225 or concurrent, Athletic Training major.)
- 222.** Instructional Methods in Physical Education (2). Planning for instruction in physical education with emphasis on activities appropriate for all elementary students. Designed to assist physical education majors and minors present lessons, develop unit plans, observe various teaching styles and address assessment techniques. Fall.
- 225.** Anatomy (3). An introduction to gross anatomical structure. Designed for exercise science/physical education majors and students in related fields of interest. Fall.
- 230.** Motor Learning and Development (3). Examination of motor skill acquisition and application to skill performance. Factors influencing motor learning such as growth and development, neural mechanisms, and optimal teaching strategies are explored. Fall.
- 236.** Sports Technique I (2). Individual techniques and teaching methods in soccer and track and field. Open to freshmen. Spring.
- 237.** Sports Technique II (2). Teaching and officiating methods and techniques for use in tennis, badminton and volleyball. Open to freshmen. Fall.
- 238.** Sports Technique III (2). Teaching and officiating methods and techniques for use in team and individual sports. Open to freshmen. Spring.
- 241.** Athletic Training Clinical Skills I (2). Laboratory and practical experience to review and test the clinical skills taught during the first year of the athletic training program. Clinical skill development experiences are provided in the athletic training facility, at intercollegiate events, or at an off-campus clinical site. (Prerequisites: ESPE 115, 140, 142, Athletic Training major.)
- 242.** Athletic Training Clinical Skills II (2). Laboratory and practical experience to review and test the clinical skills taught during the first and second year of the athletic training program. Clinical skill development experiences are provided in the athletic training facility, at intercollegiate events, or at an off campus clinical site. (Prerequisites: ESPE 215, 220, 225, 241, Athletic Training major.)
- 250.** Human Physiology (3). Introduction to physiological mechanisms which govern systemic organ function. Designed for exercise science/physical education majors and related fields of interest. Spring.
- 300.** Kinesiology (3). The theory and practical application of basic facts, laws, principles and concepts of biomechanical movement, with attention given to the physiological and anatomical study of muscles. (Prerequisite: ESPE 225, 250.)
- 301.** Basketball Theory (2). Materials, organization and methods of coaching basketball at the middle and senior high school levels. Emphasis is on fundamental principles for successful teaching and coaching. Fall.
- 302.** Organization of Intramurals (2). The organization of a comprehensive intramural program, with major emphasis on philosophy, objectives, rules and policies, scheduling, reporting and promotional techniques. Fall.
- 309.** Theory and Practice (1). Practical application of methods and techniques of teaching physical education activities. Students teach in the required exercise science physical education program. (Prerequisite: Permission of instructor.) Fall, spring.
- 311.** Exercise Physiology (4). A theoretical and practical examination of how the body responds and adapts to exercise. Laboratory work is designed to familiarize students with equipment for measuring physiological function during exercise. (Prerequisite: ESPE 250 or permission of instructor.) Fall.

**315.** General Medical Conditions (3). Classroom and laboratory experience will explore general medical, dermatological and pharmacological considerations for the athlete. Students will gain practical experience in evaluation and treatment of such conditions. (Prerequisites: ESPE 216, 225, 250, Athletic Training major.)

**316.** Physical Education for the Classroom Teacher (3). Combined theory and applied technique, providing elementary teachers with general knowledge of specific physical education objectives and principles. Students teach their peers lessons in self-testing activities, games, rhythms and movement exploration. Fall.

**320.** Therapeutic Exercise (3). A lecture and laboratory class studying the components of therapeutic exercise. Emphasis is placed on the rehabilitation of athletic injuries, and return to sport considerations. (Prerequisites: ESPE 216, 300 or concurrent, 315, Athletic Training major.)

**321.** Football Theory (2). A brief history of the origin of football and its evolution into the modern game, including playing rules. Students complete a coaching booklet addressing such aspects as offense, defense, kicking game, scouting, game strategy and practice organization. Fall.

**333.** Adapted Physical Education (3). A theoretical and practical approach to physical education for the physically and mentally disabled student. The use of rhythms and other tools as they relate to developmental patterns of movement including lifetime sports skills will be part of various laboratory experiences. Spring.

**336.** Exercise Testing and Prescription (2). A course designed to cover principles of exercise testing and prescription in healthy and diseased populations. Exercise testing methodologies taught in this course are based on guidelines developed by the American College of Sports Medicine. (Prerequisite: ESPE 311.) Spring.

**339.** Theory and Application of Strength and Conditioning (2). Theory and practice in development and administration of comprehensive strength and conditioning programs with special emphasis placed on athletes. (Prerequisites: ESPE 219, 225 and 250) Fall.

**341.** Athletic Training Clinical Skills III (2). Laboratory and practical experience to review and test the clinical skills taught during the second year of the athletic training program. Clinical skill development experiences are provided in the athletic training facility, at intercollegiate events, or at an off campus clinical site. (Prerequisites: ESPE 216, 242, 250, Athletic Training major.)

**342.** Athletic Training Clinical Skills IV (2). Laboratory and practical experience to review and test the clinical skills taught during the second and third year of the athletic training program. Clinical skill development experiences are provided in the athletic training facility, at intercollegiate events, or at an off campus clinical site. (Prerequisites: ESPE 315, 341, Athletic Training major.)

**350.** Measurement and Evaluation in Physical Education and Exercise Science (2). Statistical methods and assessment techniques applied to physical education and exercise science. Criteria for selecting tests, statistical techniques, and tools for assessing fitness, skills and attitudes will be examined. (Prerequisite: ESPE 250 or 311) Spring.

**401.** Athletic Training Administration (2). Organizing and administering an athletic training program and facility, with emphasis on program management, human resources, budget planning, facility design, record keeping, liability, and legal considerations. (Prerequisites: Athletic Training major, senior standing.)

**402.** Administration of Physical Education and Sport (3). Organizing and administering a physical education or sport program, with emphasis on legal considerations, public relations, personnel, program, facilities, equipment and financial management. Spring.

**404.** Senior Seminar (2). The use of statistical tools and methods needed for research in Exercise Science/Physical Education. The student is required to make a formal presentation as a culminating senior experience. (Prerequisite: senior standing.) Fall.

**405.** Athletic Training Exam Prep (1). A preparation course for athletic training majors wishing to sit for the Board of Certification Exam. (Prerequisites: Athletic Training major, senior standing.)

**441.** Athletic Training Skills V (2). Laboratory and practical experience to review and test the clinical skills taught during the second and third year of the athletic training program. Clinical skill development experiences are provided in the athletic training facility, at intercollegiate events, or at an off-campus clinical site. (Prerequisites: ESPE 300, 320, 336, 339 or concurrent, BIOL 209, Athletic Training major.)

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3). Does not count toward a departmental major.

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12).

**451.** Independent Study (1-3). A program of supervised reading, research or work in an area of special interest to the student. (Prerequisite: written departmental permission.)

**499.** Advanced Experimental Course (1-3).

## **History**

Knowledge of history has long been recognized as a significant part of a liberal arts education. The study of history is most often associated with careers in education, law and public service, but the communication and critical thinking skills learned through historical study are essential in a great variety

of careers. Many history majors proceed directly to graduate or professional school.

### ***Major Program Requirements***

#### **Bachelor of Arts in History**

(36 hours and 7 hours of cognates)

#### **History core (8 hours)**

HIST 295 Historical Theories and Methods (4)

HIST 407 Seminar (4)

#### **History electives (28 hours)**

Non-Western (8 hours from 101, 102, 111, 212, 221, 239, 302)

European (8 hours from 103, 104, 203, 213, 305, 313, 320)

American (8 hours from 105, 106, 231, 260, 265, 371, 373)

4 additional hours at the 300 or 400-level

#### **Cognate (7 hours)**

ERTH 104 Regional Geography (3)

AHIS Any course in Art History (4)

#### **Bachelor of Arts with Teacher Certification in History**

See the Teacher Education section of the catalog.

### ***Minor and Associate Program Requirements***

The Associate's Degree and the minor in history each require HIST 295; and 24 hours of electives in American, Non-Western, and European History.

Majors and minors are encouraged to take additional courses in the arts and humanities, the natural sciences and mathematics, and the behavioral and social sciences that complement and enrich their educational and career goals. The departmental faculty members will assist students in choosing such courses through academic advising.

Students planning graduate work in history should acquire a reading knowledge of one or more foreign languages and/or a basic knowledge of statistics relevant to their specific program of study.

#### **Art History Minor**

Students outside the art and history departments can minor in Art History. It can be combined with majors in international business, foreign languages, English, interior design, or used for the student's own personal aesthetic development. Requirements for the Art History Minor: 27 hours, which must include 20 hours from AHIS, including 211, 212, 232, 270, 271, 301, 336, 337, or 338, at least 8 hours of which must be 300-level or above. Also required are HIST 295 and 3 hours from ART 100, 101, 103, 106, 208, 209, 210, 215, or 218.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

### **Introductory Courses**

**101.** East Asian Civilization I (China) (HUMANITIES, NON-WESTERN) (4). An introduction to the history and culture of China from its beginning to the present, including highlights of philosophy, literature, religion, science and technology, political, economic and social life. (May be used toward fulfillment of the non-western history requirement.) Fall.

**102.** East Asian Civilization II (Japan) (HUMANITIES, NON-WESTERN) (4). An introduction to the history and culture of Japan from its beginning to the present, including highlights of philosophy, literature, religion, science and technology, political, economic and social life. (May be used toward fulfillment of the non-western history requirement.) Spring.

**103.** Western Civilization I (HUMANITIES) (4). An introduction to the history and culture of Europe from 3000 BCE to 1650 CE, emphasizing ancient civilizations, medieval Europe, the Renaissance, and the Reformation. (May be used toward fulfillment of the European history requirement.) Fall.

**104.** Western Civilization II (HUMANITIES) (4). An introduction to the history and culture of Europe from 1715 to the present, emphasizing the Enlightenment, the French Revolution, industrialization, nationalism, imperialism, fascism, World Wars I and II, the Cold War, and contemporary intellectual, political and social changes. (May be used toward fulfillment of the European history requirement.) Spring.

**105.** U.S. History to 1876 (HUMANITIES) (4). An introduction to the history and culture of America from 1600 to 1876, including colonization, the formation of the American republic, race and gender relations, social reform, industrialization, foreign relations, the Civil War and Reconstruction. (May be used toward fulfillment of the American history requirement.) Fall.

**106.** U.S. History since 1865 (HUMANITIES) (4). An introduction to the history and culture of America from 1865 to the present, including Reconstruction, urbanization, social reform, World Wars I and II, the Great Depression, Cold War, Vietnam and race and gender relations. (May be used toward fulfillment of the American history requirement.) Spring.

**111.** Islamic Civilization (HUMANITIES, NON-WESTERN) (4). An introduction to the history and culture of Islamic societies starting with Muhammad in Arabia up to the present when one-quarter of all humankind follows Islam. Two periods will be emphasized: when Damascus and Baghdad were the capitals of Islam, and the twentieth century. (May be used toward fulfillment of the non-western history requirement.)

### **Advanced Topics in History**

**205.** The Novel as History (1). A study of a particular novel as it relates to the historical events in which it is set. The

novel studied will change regularly. (May be repeated for a total of three semester hours.) Fall, spring.

**295.** Historical Theories and Methods (HUMANITIES) (4). An introduction to historiography and historical methods for history majors. (Prerequisite: one previous history course.) Spring.

**301.** Topics in History (4). In-depth study of topics in various fields of history. Topics may include History of Medicine, the French Revolution, Victorian Britain. (Prerequisite: History 295.) Fall, Spring.

**332.** World Civilizations in Comparison (NON-WESTERN) (4). Major civilizations compared in terms of origins, politics, religions, philosophies, technologies, art, social structures, education, gender, recreations, economics and war. Chinese, Western, Indian, Islamic, Meso-American and African civilizations investigated. (Prerequisite: History 295.) Fall.

### **European History**

**203.** Culture and Politics of the Cold War (HUMANITIES) (4). Culture and Politics of the Cold War from the perspectives of both the U.S. and the Communist bloc. (Prerequisite: when offered as a writing intensive course, English 101 is a prerequisite.) Spring.

**213.** Women in Modern European History (4). Experiences and representations of women in Europe since 1789. (Prerequisite: History 295.) Spring.

**305.** History of the Soviet Union (4). Rise and fall of the Soviet Union. Topics include revolutions, wars, economic and cultural transformation, Stalinism, reform, dissent. (Prerequisite: History 295.) Spring.

**320.** Germany in the Twentieth Century (4). A focus on understanding the Nazi era. Topics include World War I and its impact, the Weimar Republic, the Nazi regime, the Holocaust, and divided Germany during the cold war. (Prerequisite: History 295.)

### **Non-Western History**

**212.** Modern Terrorism (HUMANITIES) (4). Modern terrorism has deep historical roots, which we will examine, Emphasizing the nineteenth and twentieth centuries. Because understanding 9/11 is so important for all of us, we will recount the events of 9/11 as well as delve into the events and ideas that nurtured the al-Qaeda.

**221.** History of Women in East Asia (HUMANITIES, NON-WESTERN) (4). Topics in the history of East Asian women including family life, culture, sexuality, politics, work and education. Comparisons of Japan, China and Korea. Spring.

**239.** Cultural History of Japan ( HUMANITIES, NON-WESTERN)(4). Cultural developments in Japan from early history to the present. Emphasis on forms of popular cul-

ture, such as drama, painting, literature, cartoons and cinema. Fall.

**302.** Studies in Eastern Religion (NON-WESTERN) (3). Intensive study of the history of one of the cultures or religious traditions of Asia. This course is usually team-taught and cross-listed as Religion 302. (Prerequisite: History 295.) Spring.

**355.** History and Memory of Hiroshima (NON-WESTERN) (4). Readings and discussions of the development, use, and legacy of the first atomic bombs. Particular attention paid to comparing the social, cultural and political impact in Japan and the U.S. (Prerequisite: History 295.) Spring.

### **American History**

**231.** Survey of Native American History (HUMANITIES) (4). An examination of Native American history from European colonization to the present. Topics include cultural practices, relations with non-native peoples, removal and resistance, and the reformation of Native American identity across various tribal groups.

**260.** Survey of African American History (HUMANITIES) (4). The varied experiences of Africans and people of African descent in America. Topics include: slavery, Reconstruction, Jim Crow, the Great Migration, and the Civil Rights movement and beyond. Spring.

**265.** U.S. Women's History (4). Women in U.S. history, with a focus on how differences of class, race, region and ethnicity have shaped American women's history. (Prerequisite: History 295.) Fall.

**371.** U.S. Popular Culture (4). An examination of the rise of popular culture including movies, television, advertising, sports, and music, and its significance in American society from the late 19th century to the present. (Prerequisite: History 295.)

**373.** U.S. History since 1945 (4). An examination of the postwar American response to the prospect of living in an uncertain world, including political and cultural perspectives. (Prerequisite: History 295.)

### **Special and Advanced Courses**

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-4).

**399.** Professional Internship (1-12).

**407.** Seminar (4). Research seminar on selected problems in American, Asian, European or Comparative History. Required of history majors. Fall.

**451.** Independent Study (1-4). Individual work, under faculty supervision, involving readings, reports and research. (Prerequisite: written permission of department.)

**499.** Advanced Experimental Course (1-4).

### ***Art History (Listed in the schedule as AHIS)***

**211.** World Art History to 1200 C.E. (HUMANITIES) (4) First of two courses surveying 40,000 years of art history. Covers art and architecture of Africa, Asia, the Americas, Europe, the Middle East, Pacific Cultures, and Southeast Asia from prehistory to 1200 C. E. (Prerequisite: English 101.) Fall.

**212.** World Art History 1200 C.E. to the Present (HUMANITIES) (4). Second of two courses surveying 40,000 years of art history. Covers art and architecture of Africa, Asia, the Americas, Europe, the Middle East, Pacific Cultures, and Southeast Asia from 1200 C. E. to the 21st century. (Prerequisite: English 101.) Spring.

**232.** Representations of Gender in Art (4). An introduction to feminist and masculinity theories in art. Examines connections between art, visual culture, gender, and sexual identities. (Prerequisite: English 101.)

**270.** Western Architecture and Design (4). History of Western architecture, urban planning, graphic design, craft arts, and decorative arts from the ancient period through the 18th century. In-depth study of cultural histories, movements, technologies, designers, architecture and design theories, and significant forms. (Prerequisite: English 101.) Fall.

**271.** Modern Architecture and Design (4). History of Western architecture, urban planning, graphic design, craft arts, and decorative arts from the 19th century to the contemporary setting. In-depth study of cultural histories, movements, technologies, designers, architecture and design theories, significant forms, and the connection between fine arts and design. Spring.

**301.** Topics in Art History (4). In-depth study of topics in various fields and periods of art history. Topics may include Photography and Identity, Native American Art, and Arts of the United States. Course can be repeated with different topics. (Prerequisite: English 101.) Fall, spring

**336.** History of Modern Art (4). Course explores art in Europe and the United States from the early 19th to the first quarter of the 20th century, including major ideas such as avant-garde, autonomy, commodity, and "Modernism". (Prerequisite: English 101.). Offered as needed.

**337.** Contemporary Art History (4). Movements and artists significant in the 20th and 21st centuries in the visual arts are studied. Careful attention given to key philosophical, theoretical, social and historical influences, especially to ideas such as "Postmodernism," identity, and the body. (Prerequisites: ENGL 101 and any previous art history course or permission of instructor). Offered as needed.

**338.** African Art History (HUMANITIES, NON-WESTERN) (4). Examination of the histories of art in African cultures and art's role within daily life, cultural heritage, as well as the origins and development of the artwork itself. Modern African and African-American artists' work will be examined for the purposes of comparison to their predecessors.

### **Honors Program**

The Honors Program offers students the opportunity to add an extra element of challenge and achievement to their academic experience. Through the Honors Program, motivated students of demonstrated ability may work with other talented students in an atmosphere of intellectual excitement and discovery. The Honors Program promotes the best qualities of a liberal arts education: breadth and depth.

#### **Requirements**

First-time and current Adrian College students otherwise qualified for the Honors Program must provide a brief proposal describing how the Honors Program will help them academically. If accepted into the Honors Program, the student must work with the Honors Director to develop an individual plan.

Students already enrolled at Adrian may apply to join the program. They must have achieved a 3.5 cumulative average at Adrian by the time they apply. The sequence of courses may be different for these students. It is possible that some students may enroll first, with instructors' permission, in a course for Honors credit and take a colloquium later, for instance. It is also possible that they start with a colloquium in the second semester of the freshman year or the first semester of the sophomore year.

Honors students are required to complete three Honors Colloquia (up to four for credit), HONR 290 - Pre-professional scholar course, a 3-4 credit off-campus experience (either through a study abroad or a professional internship), a capstone experience (either HONR 401 or perform a culminating experience or senior seminar in their major), and six courses for Honors credit chosen from other College courses. Students must maintain at least a 3.5 cumulative grade point average for the first seven full-time semesters and at least a 3.3 GPA in the major.

**101.** Honors Colloquium (1). Common readings on topics of general interest generally related to major campus convocation speakers. Readings and convocation programs will be used as the basis for the discussion of significant issues. The course, which meets once a week, includes opportunities to discuss books and events with faculty members and others. (Prerequisite: admission to Honors Program. May be taken up to four times for credit.) Fall, Spring.

**290.** Pre-Professional Scholar (3/4). Student will work directly with, and be mentored by, a professor on research or other scholarly activity, culminating with a presentation. (Prerequisite: admission to Honors Program.) Fall, Spring.

**401.** Capstone Experience (3/4). Student will complete a capstone project that is a continuation of the continuation of the project identified by the student and the Honors Advisor. (Prerequisite: admission to Honors Program.) Fall, Spring.

The Honors option classes must be at least 200 level and are typically chosen from within the student's major(s). These courses must be approved by the Honors Director prior to the start of the semester. Forms for these Honors options, as well

as forms for HONR 299, 399, and 401 are available from the Honors Director.

## **Interior Design**

This degree program is based on the guidelines of the Council for Interior Design Accreditation. It is structured to produce a highly qualified graduate with the professional ability to enter directly into the interior design profession. Students develop a strong liberal arts background with emphasis on the principles of design and the history of architecture and interiors, designed to enable them to express creative concepts and ideas. They develop technical drafting and rendering skills and a working knowledge of building construction, mechanical technology, and business practices. A portfolio is required, selected from design projects completed in school, to confirm proficiency and indicate the candidate's aptitude as a residential designer, commercial designer, kitchen and bath planner, space planner, showroom consultant, design specifier, display coordinator, designer and buyer, or interior illustrator. An internship experience with an interior design or architectural firm is required to provide exposure to the available resources and to enhance future employment opportunities. An active American Society of Interior Designers student chapter provides additional opportunities for professional activities. Interior design majors may complete the program on campus or elect to spend a semester at the American College in London, England.

Portfolio reviews are required at the end of the sophomore year and each semester of the junior and senior years. Seniors are required to participate in the NCIDQ student competition.

### **Major Program Requirements**

#### **Bachelor of Science in Interior Design**

(42 hours of Interior Design and 9 hours of cognates)

##### Interior Design Core (42 hours)

INTD 110	Interior Design Theory (3)
INTD 118	Architectural Drafting (3)
INTD 120	Applied Design Concepts (3)
INTD 207	Textiles for the Consumer (3)
INTD 219	Interior Design Drawing (3)
INTD 221	Architectural Materials (3)
INTD 223	Design Process and Presentation (3)
INTD 323	Basic Principles of Residential Design (3)
INTD 325	Auto CAD for Interior Design (3)
INTD 326	Lighting (3)
INTD 327	Basic Principles of Contract Design (3)
INTD 351	Advanced Studio (3)
INTD 400	Senior Seminar (3)
INTD 408	Prof. Practices for Interior Designers (3)

##### Cognates (9 hours)

AHIS 270	Western Architecture and Design (3)
AHIS 271	Modern Architecture and Design (3)

And one of the following: ART 100, 101, 103 or 218

**110.** Interior Design Theory (3). This course explores the theories of interior design related to human factors, the elements and principles of design, spatial relationships, programming, universal design and way-finding.

**118.** Architectural Drafting (3). A studio course introducing drafting and techniques, including lettering, field measurements, floor plans, elevations and building codes of interiors. (Prerequisite: INTD 110.) Fall, spring.

**120.** Applied Design Concepts (3). A studio course to further explore design elements, principles and techniques through the creation of 2-dimensional and 3-dimensional projects relative to practical applications in interior design. Spring.

**207.** Textiles for the Consumer (3). Basic concepts and principles related to fibers, yarns, fabric construction and finishes, with emphasis on usage of textile products. Fall.

**219.** Interior Design Drawing (3). Freehand drawing for interior designers, including contour drawing, linear perspective, descriptive light and shadow and principles of organization. (Prerequisite: INTD 110.) Fall.

**221.** Architectural Materials (3). Definition, application, specification, and installation techniques of architectural and interior materials. (Co-requisite: INTD 118.) Spring.

**223.** Design Process and Presentation (3). A studio course exploring design fundamentals as components of interior space, including use of the design process and model construction to communicate and solve problems. Special attention is given to presentation and techniques. A portfolio review of work produced in the course is required. (Prerequisite: INTD 120; ENGL 101 when offered as a writing intensive course.) Spring.

**323.** Basic Principles of Residential Design (3). The practical application of design principles to the living environment. Studio problems are approached with consideration for human factors and space requirements while working through the appropriate design process. (Prerequisite: INTD 118, 223.) Fall.

**325.** Auto CAD for Interior Design (3). An introduction to computer aided drafting and design specifically for the interior designer through the use of Auto CAD. (Prerequisite: INTD 323 – or permission – or computer minor.) Fall.

**326.** Lighting (3). A studio course exploring the elements and applications of lighting including electrical components, measurements, coloration and energy efficiency for both interior and exterior lighting needs. (Prerequisite: INTD 323, 327. May be taken concurrently.) Fall.

**327.** Basic Principles of Commercial Design (3). Assessment and programming for the working environment, including consideration of space requirements, functional requirements, Building Codes, and accessibility issues. These skills are applied to all projects. (Prerequisite: INTD 323 or 325.) Spring.

**351.** Advanced Studio (1-9). Advanced study in AutoCAD, rendering, portfolio, residential design, kitchen and bath

design, furniture design, commercial design, systems furniture, and historic preservation. Students participate in a bimonthly seminar in conjunction with their studio work. Repeatable up to 9 semester hours. (Prerequisite: permission of instructor.) Fall, spring.

**400.** Senior Seminar (3). A concentrated focus on special topics important to interior design, and industry changes for the future. (Prerequisite: INTD 327.) Fall.

**408.** Professional Practices for Interior Designers (3). Business practices and ethics in the field of interior design. (Prerequisite: INTD 327 and 400.) Spring.

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12).

**451.** Independent Study (1-3). Open only to art and design majors with a special need to study content beyond that offered in the normal course sequence. (Prerequisite: department chairperson's written permission.)

**499.** Advanced Experimental Course (1-3).

## **International Studies**

The international studies program was created in 1988 to address a growing need in our society. Because the world is increasingly a "global village," it becomes more important for each of us to develop an understanding of the other nations who share our planet and of our interdependence with them.

The international studies major, which leads to the Bachelor of Arts degree, provides an opportunity for students who wish to study a variety of societies, cultures and nations and the relationships among them. The diversity within the program makes it possible for students to develop a portion of their major in terms of their personal interests and goals.

All students in the program complete a core of courses that offers a broad overview of the world, along with an individually designed area of emphasis. Possible areas of emphasis include Asia, Comparative Twentieth-Century Studies, East-West Relations, Europe, International Thought and U.S.-Russian Relations.

Because of the interdisciplinary nature of the international studies major, faculty members represent many academic departments, including Art, Business Administration, Earth Science, Economics, English, Modern Languages and Cultures, History, Philosophy and Religion, Political Science, Sociology and Anthropology, and Teacher Education. In determining an area of emphasis, students work with the director of the international studies program.

### ***Major Program Requirements***

#### **Bachelor of Arts in International Studies**

(36 hours, 3 hours of cognates and 300-level fluency in a second language)

### **International Studies Core (6 hours)**

INTL 101 International Studies (3)

INTL 407 Seminar in International Studies (3)

### **International Studies Electives (30 hours)**

12 hours chosen from the following:

ECON 223 Economics of the Developing Countries (4)

PSCI 328 Politics in the Third World (4)

PSCI 335 International Relations (4)

SOC 208 Introduction to Cultural Anthropology (4)

18 hours of Area Emphasis Courses (see list below)

### **Cognates (3 hours plus 300-level fluency in a second language)**

ERTH 104 Regional Geography (3)

MLC 224, 244, French IV, German IV or  
or 267 Professional Spanish (4)

12 hours of the non-cognate courses must be at the 300 level or above.

### ***Minor Program Requirements***

Students minoring in international studies will complete 21 semester hours in the program, not including the language requirement. Of these 21 hours, 6 must be at the 300 level or above. The 21 required hours will include: International Studies 101 and 407; 9 hours from the specified core courses; and 6 hours in the area of emphasis, not to include courses taken to satisfy distribution requirements. Earth science 104 is also required.

Majors and minors will complete at least one 300-level language course (2-4 semester hours) or its equivalent. Prerequisites are 12 semester hours (or the equivalent) in French, German or Spanish or comparable requirements in other modern languages. Prerequisites may be waived through placement exams.

Completion of study or an internship abroad is highly desirable and strongly encouraged.

### ***Required Courses***

All majors and minors in the program will complete the following two courses:

**101.** International Studies (SOCIAL SCIENCE) (3). Historical, cultural, political and economic relationships among the diverse peoples of the world. Offered as needed.

**407.** Seminar in International Studies (3). Research and discussion of selected topics related to students' areas of emphasis. Each student will complete an individual research project culminating in a formal paper. Offered as needed.

### ***Area of Emphasis Courses***

These courses will be chosen in consultation with the advisor and with the approval of the International Studies Committee. The area of emphasis should be identified by the end of the sophomore year.

Majors will complete 18 semester hours from the following courses; minors will complete 6 semester hours. Courses used to fulfill the core requirement will not count toward the area of emphasis. (For course descriptions, see the appropriate department)

ment sections elsewhere in this catalog.)

Art 211.	Western Art I (3).
Art 212.	Western Art II (3).
Business Administration 337.	International Marketing (3).
Business Administration 347.	Management of Multinational Firms (3).
Economics 223.	Economics of Developing Countries (NON-WESTERN) (4).
Economics 319.	International Economics (4).
English 255.	Studies in Non-Western Literature (NON-WESTERN) (4).
All other Modern Language courses at the 200 level or above.	
History 101.	East Asian Civilization I (NON-WESTERN) (4).
History 102.	East Asian Civilization II (NON-WESTERN) (4).
History 103.	Western Civilization I (4).
History 104.	Western Civilization II (4).
History 320.	Germany in the 20th Century (4).
Political Science 328.	Politics in the Third World (NON-WESTERN) (4).
Religion 102.	Religions of the West (3).
Religion 105.	Religions of the East (NON-WESTERN) (3).
Religion 302.	Studies in Eastern Religion (NON-WESTERN) (3).
Sociology 208.	Cultural Anthropology and Ethnography (NON-WESTERN) (4).
Teacher Education 473.	Comparative International Education (3).

## **Mathematics**

### **Major Program Requirements**

#### Bachelor of Arts in Mathematics

(36 hours of Mathematics)

##### **Mathematics B.A. Core (21 hours)**

MATH 135, 205, 215	Calculus I, II, III (4, 4, 4)
MATH 303	Linear Algebra and Matrices (3)
MATH 313	Abstract Algebra (3)
MATH 403	Number Theory (3)
or MATH 405	Real Analysis (3)

##### **Mathematics B.A. Electives (15 hours)**

15 hours of mathematics classes numbered above 215

#### Bachelor of Arts with Teacher Certification in Mathematics

See the Teacher Education section of the catalog.

### **Minor Program Requirements**

For students majoring in other academic disciplines, a mathematics minor can enhance prospects for graduate or professional studies and increase employment opportunities. The minor requires 23 semester hours in the department, including Mathematics 135, 205, 303 and 12 semester hours of electives from mathematics courses numbered 215 or higher.

The highly sequential nature of the mathematics curriculum

makes it essential that prerequisite mathematical knowledge and skills be mastered prior to enrollment in any mathematics course. A student's score on the Mathematics Placement Examination (given during freshman orientation and available at other times in the Academic Services Office), as well as a student's Math ACT or SAT score, are critical in the selection of freshman courses. A grade of C- or better is required for fulfillment of all prerequisite courses.

Each mathematics major must have an assigned faculty member from within the department as an advisor for his or her mathematics program.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

### **Introductory Courses**

**099.** Developmental Mathematics (3). Topics include the real number system, basic operations, fractions, signed numbers, factoring, exponents, roots, decimals, percent and proportion, topics from plane geometry, and an introduction to algebra. Emphasis is on development of arithmetic skills and mastery of basic algebraic concepts. Use of the mathematics laboratory is required. College credit only; hours will not count toward graduation requirements. (Prerequisite: Mathematics Placement Policy.) (Must be repeated if grade earned is NC, D or F and course is being used as a prerequisite for Math 101.) Fall, spring.

**100.** Mathematics for the Liberal Arts (MATHEMATICS BASIC SKILLS) (4). Covers the following topics: problem solving, sets, logic (truth tables and symbols), probability (counting techniques and expected value), statistics (measure of central tendency and normal curve), consumer mathematics (percentage, interest, installment buying and annuities), primes, composites, LCM and GCF, and graphing linear equations. Does not satisfy the prerequisite for further mathematics courses. Fall, spring.

**101.** Intermediate Algebra (MATHEMATICS BASIC SKILLS) (4). Fundamental operations with algebraic expressions, linear and quadratic equations, graphs, systems of equations, applications and functions. (Prerequisite: Mathematics 099 or Mathematics Placement Policy.) Fall, spring.

**103.** Fundamentals of Modern Mathematics I (3). An introduction to problem solving, logic, set theory, number systems, operations, number theory, and algorithms. (Prerequisite: Mathematics 101 or Mathematics Placement Policy.) Fall.

**113.** Fundamentals of Modern Mathematics II (3). An introduction to probability and statistics, geometry, measurement and the use of mathematical methods, tools, and technology. (Prerequisite: Mathematics 103.) Spring.

**115.** Pre-Calculus Mathematics (4). An introduction to the theory of functions related to exponential, logarithmic, rational, polynomial and trigonometric functions. Theorems

on rational and complex zeros of polynomials and systems of linear equations. (Prerequisite: Mathematics 101 or Mathematics Placement Policy.) Fall, spring.

### Analysis

**135.** Calculus and Analytic Geometry I (4). Topics include mathematical modeling, transcendental functions, parametric equations and functions in parametric form, limits, continuity, differentiation, integration, and related applications. (Prerequisite: Math 115 or Mathematics Placement Policy.) Fall, spring.

**205.** Calculus and Analytic Geometry II (4). Topics include principles of integral evaluation, applications of the definite integral to geometry, science, and engineering, mathematical modeling with first-order differential equations, sequences, infinite series, and various tests of convergence. (Prerequisite: Math 135 or Mathematics Placement Policy.) Fall, spring.

**215.** Calculus and Analytic Geometry III (4). Topics include analytic geometry, polar coordinates and curves, three-dimensional space, vectors and vector-valued functions, partial derivatives, multiple integrals, and various topics in vector calculus. (Prerequisite: Math 205.) Spring.

**305.** Differential Equations (3). Solutions of various types of ordinary differential equations, linear equations with constant coefficients, the Laplace Transform, systems of equations, and series solutions. (Prerequisite: Mathematics 205.) Spring '09.

**405.** Real Analysis (3). Theory of functions of a real variable; sequences and series, limits, continuity, derivatives, the Riemann integral, and other topics. Students will be required to research a mathematical topic approved by the instructor, with a formal presentation to be given to members of the mathematics department and the campus community. (Prerequisites: Mathematics 215 and 313.) Fall '08.

### Applied Mathematics

**104.** Finite Mathematics (3). An introduction to systems of linear equations, matrix theory, linear programming, set theory, logic, probability, and other topics. (Prerequisite: Mathematics 101 or Mathematics Placement Policy.) Fall, spring.

**204.** Elementary Statistics (3). An introduction to the basic principles of statistics, computation of statistics, probability distributions, estimation, confidence intervals, hypothesis testing, and correlation and regression. (Prerequisites: Mathematics 104 or 115 or Mathematics Placement Policy.) Fall, spring.

**216.** Discrete Mathematics (3). An introduction to Boolean algebra, combinatorics, graph theory, recursion, set theory, and trees. (Prerequisite: Mathematics 135.) Spring '09.

**304.** Theory of Probability (3). Descriptive statistics, probability and counting techniques, discrete and continuous

distributions, moment generating functions, multivariate and conditional distributions, the correlation coefficient, and least squares regression. (Prerequisite: Mathematics 205.) Fall.

**314.** Theory of Mathematical Statistics (3). Sampling theory, point and interval estimation, order statistics, tests of hypothesis, nonparametric methods, statistical quality control, and experimental design. (Prerequisite: Mathematics 304.) Spring '10.

**324.** Numerical Analysis (3). An introduction to numerical analysis in finding roots of polynomials, polynomial approximation, finite difference calculus, summation calculus, and selected topics in computer programming. (Prerequisite: Mathematics 205; Mathematics 303 recommended.) Fall '09.

### Foundations

**303.** Linear Algebra and Matrices (3). Matrices, determinants, systems of linear equations, vector spaces, linear transformations, eigenvectors and eigenvalues. (Prerequisite: Mathematics 205.) Fall.

**313.** Abstract Algebra (3). An introduction to the theory of groups, rings, and fields. (Prerequisite: Mathematics 303.) Spring.

**323.** Geometry (3). A survey of topics in geometry including historical topics, elements of logic, foundations in Euclidean geometry, and introduction to non-Euclidean geometry using the hyperbolic model. This course emphasizes different methods of proof. (Prerequisite: Mathematics 205.) Spring '10.

**403.** Number Theory (3). Divisibility, primes, congruences, multiplicative functions, primitive roots, quadratic residues, quadratic reciprocity, and other topics. Students will be required to research a mathematical topic approved by the instructor, with a formal presentation to be given to members of the mathematics department and the campus community. (Prerequisite: Math 313.) Fall '09.

### Special and Advanced Courses

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-3).

**309.** Topics in Mathematics (1-3). Topics of interest to faculty and students. Sample topics include, but are not limited to, numerical analysis, graph theory, advanced discrete math, advanced multivariable calculus, partial differential equations, history of mathematics. May be repeated for credit if the topic is different. Offered as needed.

**399.** Professional Internship (1-12).

**410.** Advanced Topics in Mathematics (1-3). Advanced topics of interest to faculty and students. Sample topics include, but are not limited to, complex analysis, topology, op-

erations research, advanced topics in linear algebra, abstract algebra, geometry and statistics. May be repeated for credit if the topic is different. Offered as needed.

**451.** Independent Study (1-3). Advanced topics for students planning further study in mathematics. (Prerequisites: B average in mathematics and department chairperson's written permission.)

**499.** Advanced Experimental Course (1-3).

## **Modern Languages and Cultures**

The Department of Modern Languages and Cultures offers the Bachelor of Arts degree with majors in French, German, Spanish and Japanese Studies. First-and second-semester courses are also available in American Sign Language (ASL) and Arabic. Students may minor in French, German, Spanish and Japanese. The basic skills requirement in language is met for students who place in French, German or Spanish III or higher. Students placing into a 300-level course will be awarded 4 hours of credit for the level IV course (MLC 224, 244, 264) at the completion of the 300-level course and having earned a grade of C or better.

The skills and sensitivities developed through study of modern languages, cultures and literatures offer significant enrichment for the individual student. In addition, such skills, combined with competencies in other areas, are of ever-increasing importance in a variety of career choices, including international business and banking, government service at home and abroad, law and law enforcement, medicine, social work, tourism, bilingual teaching and interpreting. Language skills are also helpful in gaining admission to and completing requirements at many graduate schools. Language majors are encouraged to take appropriate cognate courses and to earn a second major or a minor in fields such as business, English, political science or sociology, or to study additional languages.

**Study Abroad.** All language majors, as well as minors in the Teacher Education program, are required to improve their language competencies through a relevant College-approved foreign study program. The faculty offers close guidance to students in planning such an experience. Members of the language faculty occasionally conduct study/travel trips to foreign countries. Upon their return from the study abroad experience, language majors shall complete a minimum of eight (8) additional hours of course work in the target language to include the 491-492 senior research courses. Majors and Minors in the Teacher Education program are also required to take MLC 490 (Study Abroad Capstone Seminar) after their return from abroad.

**Other Opportunities.** Course work and off-campus experiences, including internships in related practical experience programs, are supplemented by on-campus opportunities such as language clubs, guest native speakers and foreign films and publications.

### ***Major Program Requirements***

#### **Bachelor of Arts in French**

(36 hours)

#### **French Core (18 hours)**

MLC 223      French III (4)

MLC 224      French IV (4)  
MLC 338      Advanced French Language (4)  
MLC 339      Advanced French Conversation (2)  
MLC 491, 492    Senior Research (2,2)

#### **French Electives (18 hours)**

2 courses from 333, 334, 335, 337

10 additional hours of French courses at the 200 level or above

#### **Bachelor of Arts with Teacher Certification in French**

See the Teacher Education section of the catalog.

#### **Bachelor of Arts in German**

(36 hours)

#### **German Core (18 hours)**

MLC 243      German III (4)  
MLC 244      German IV (4)  
MLC 358      Advanced German Language (4)  
MLC 359      Advanced German Conversation (2)  
MLC 491, 492    Senior Research (2,2)

#### **German Electives (18 hours)**

2 courses from 353, 354, 355, 357

10 additional hours of German courses at the 200 level or above

#### **Bachelor of Arts with Teacher Certification in German**

See the Teacher Education section of the catalog.

#### **Bachelor of Arts in Japanese Studies**

(36 hours)

#### **Japanese Studies Core (20 hours)**

HIST 102      East Asian Civilization II (4)  
HIST 339      Cultural History of Japan (4)  
          or HIST 355    History and Memory of Hiroshima (4)  
MLC 253      Japanese III (4)  
MLC 254      Japanese IV (4)  
MLC 491, 492    Senior Research (2,2)

#### **Japanese Studies Electives (16 hours)**

The Japanese Studies electives will be completed during a semester at Kansai Gaidai

1 course in spoken Japanese above the Japanese IV level (5)

1 course in reading and writing Japanese (3)

8 additional hours of Japanese studies courses at the 300 or 400 level

#### **Bachelor of Arts in Spanish**

(36 hours)

#### **Spanish Core (18 hours)**

MLC 263      Spanish III (4)  
MLC 264      Spanish IV (4)  
MLC 378      Advanced Spanish Language (4)  
MLC 379      Advanced Spanish Conversation (2)  
MLC 491, 492    Senior Research (2,2)

### **Spanish Electives (18 hours)**

2 courses from 371, 372, 376, 377

10 additional hours of Spanish courses at the 200 level or above

### Bachelor of Arts with Teacher Certification in Spanish

See the Teacher Education section of the catalog.

### **Minor and Associate Program Requirements**

Minor Requirements. Students minoring in French, German or Spanish must complete a minimum of 22 semester hours at the 200 level or above. Required French courses are 224, 338, 339 and one course from 333, 334, 335. Required German courses are 244, 358, 359 and one course from 353, 354, 355. Required Spanish courses are 264, 378, 379 and one course from 371, 372, 376. Students minoring in Japanese must complete 18 semester hours at the 200 level or above, including 253 and 254 and 10 hours from study abroad in Japan.

### **Associate Degrees**

Candidates for the Associate of Arts degree must complete 14 semester hours of 200- and 300-level courses, including one advanced language course, one conversation course and one course in literature and culture.

Beverly Allen Smith Fund. Established by Dr. Beverly Allen Smith, professor emeritus of Modern Languages at Adrian College, this endowed fund benefits the department of foreign languages. Income from the fund is disbursed at the discretion of the department, as agreed upon by all full- and half-time faculty in the department. The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

### **Arabic**

**111,112.** Arabic I and II (LANGUAGE) (NON-WESTERN) (4, 4). Two-semester sequence of courses designed as an introduction to the Arabic language. The focus is on language proficiency in all areas of the language including speaking, reading, and writing. The course also introduces students to aspects of Arabic culture and life in the Middle East. Fall, spring.

### **French**

**121, 122.** French I and II (LANGUAGE) (4, 4). Development of listening, speaking, reading and writing skills in French and the foundation for understanding the cultures of French-speaking countries. Activities include readings and in-class discussions. (Pre-requisite: French 121 or equivalent for 122.) Fall, spring.

**223.** French III (4). Review and further development of speaking, listening, reading, writing and cultural understanding skills. Readings on cultures of French-speaking peoples and representative French-language literary works. (Prerequisite: French 122 or equivalent.) Fall.

**224.** French IV: French and the Professions (4). Continued development of the four language skills through the special-

ized terminology used in the business world and other professional situations, including office practices, postal and banking services, transportation and travel. Videos and articles from French-language newspapers will be used to raise awareness of cultural differences that might exist between French and American workplaces. (Prerequisite: MLC 223 or equivalent.) Spring.

**228.** Intermediate French Conversation (2). Development of speaking and comprehension skills in French, through pronunciation practice, review of grammar and structures, vocabulary-building activities, dialogues, individual reports, discussions, enhanced with use of audio-visual aids. (Prerequisites: 122 or equivalent, open to freshmen) Fall.

**250.** French-speaking Cultures of Africa and the Caribbean (4). An introduction to the countries of Africa and the Caribbean formerly colonized by France. Topics include colonization and decolonization; political, economic, and social life; changing identities; linguistic diversity; globalization and relationship with the West. Taught in English. Fall

**333.** Contemporary Francophone Cultures and Literatures (HUMANITIES) (4). A cross-cultural perspective on French-speaking areas of the world today, including France, Quebec, Africa and the Caribbean. Representative examples of francophoneliterature and film since the era of World War II. May be repeated once for credit. (Prerequisite: MLC 224 or equivalent.) Fall '09.

**334.** French Literature and Culture through 1850 (HUMANITIES) (4). The development of French civilization, language and literature from their origins through the Renaissance, Classical Age, Age of Enlightenment, the French Revolution and the Romantic generation. May be repeated once for credit. (Prerequisite: MLC 224 or equivalent.) Spring '10.

**335.** French Literature and Culture from 1850 to 1950 (HUMANITIES) (4). The development of modern society, literature and the arts, including film, from Realism, Naturalism and Symbolism through the surrealist revolution and existentialism in the context of the emergence of science and industry and two world wars. Authors may include Flaubert, Zola, Maupassant, Baudelaire, Rimbaud, Gide, Proust, Apollinaire, Colette, Eluard, Sartre and Camus. May be repeated once for credit. (Prerequisite: MLC 224 or equivalent.) Fall '08.

**337.** The French-Speaking World (4). Overview of the history, geography, societies and institutions of the French-speaking peoples throughout the world. This course will help students to prepare for the Michigan Teacher Certification Test in French, although participation is not limited to Teacher Education students. (Prerequisite: MLC 224.) Spring '09.

**338.** Advanced French Language (4). Process and steps for writing successfully in French, including help with peer coaching and peer editing. Listening, speaking and read-

ing skills integrated with writing skills. Repeatable once for credit. (Prerequisite: MLC 224 or equivalent. When taken for writing intensive credit, English 101 is also a prerequisite.) Spring.

**339.** Advanced French Conversation (2). Pronunciation practice, oral review of complex structures, vocabulary building, individual reports, and dialogues. Discussions of current events in French-speaking countries, using French-language newspapers and videos as source materials. Repeatable once for credit. (Prerequisite: MLC 224 or equivalent.) Spring.

## German

**141, 142.** German I and II (LANGUAGE) (4, 4). Development of listening, speaking, reading and writing skills in German, while investigating the cultures of the new Germany, Austria and Switzerland. (Prerequisite: German 141 or equivalent for 142.) Fall, spring.

**243.** German III (4). Continued development of the four skills with a deeper investigation and review of the structure of German. Thematic vocabulary topics will be used to increase conversational fluency. Regular readings and discussion, in German, of German history from Roman times to the nineteenth century. (Prerequisite: MLC 142 or equivalent.) Fall.

**244.** German IV (4). Further development of the four skills. Current German media used to develop vocabulary and fluency. Development of professional and business language as needed. Regular readings and discussion, in German, of German history from the nineteenth century to the present. (Prerequisite: MLC 243 or equivalent.) Spring.

**248.** Intermediate German Conversation (2). Development of speaking and comprehension skills in German, through pronunciation practice, review of grammar and structures, vocabulary-building activities, dialogues, individual reports, discussions, enhanced with use of audio-visual aids. (Prerequisites: 142 or equivalent, open to freshmen) Spring.

**353.** German Literature and Culture (800-1850) (4). Historical and cultural survey of German literature from its medieval beginnings to Romanticism and the age of revolution. Literature will be chosen to trace a cultural theme through history. Readings and overarching theme change. Repeatable once for credit with new content. (Prerequisite: MLC 244 or equivalent.) Fall '09.

**354.** German Literature and Culture (1850-1932) (4). Historical and cultural survey of German literature from the emergence of the German nation state to the Weimar Republic. Literature will be chosen to trace a cultural theme through history. Readings and overarching theme change. Repeatable once for credit with new content. (Prerequisite: MLC 244 or equivalent.) Fall '08.

**355.** German Literature and Culture after 1933 (4). A literary examination of the Holocaust, Third Reich, and divided

Germany. The impact of this history on contemporary German literature and society will also be explored. Readings will change every other year. Repeatable once for credit with new content. (Prerequisite: MLC 244 or equivalent.) Spring '09.

**357.** The German-Speaking World (4). Overview of the history, geography, societies and institutions of the German-speaking peoples throughout the world. This course will help students to prepare for the Michigan Teacher Certification Test in German, although It is not limited to Teacher Education students. (Prerequisite: MLC 244 or equivalent.) Spring '09.

**358.** Advanced German Language (4). Special problems in German language acquisition, including structural and vocabulary issues. Thematic focus on scientific and business German. Content changes every other year. Repeatable once for credit with new content. (Prerequisite: MLC 244 or equivalent. When taken for writing intensive credit, English 101 is also a prerequisite.) Spring '10.

**359.** Advanced German Conversation (2). Contemporary problems and events in the German-speaking countries of Europe, as contrasted with those of the United States, through use of newspapers, magazines, radio and television broadcasts. Repeatable once for credit. (Prerequisite: MLC 244 or equivalent.) Fall.

## Japanese

**151, 152.** Japanese I and II (LANGUAGE) (NON-WESTERN) (4, 4). Development of basic proficiency in speaking, reading and writing Japanese, as well as an introduction to Japan and the Japanese-speaking people. Hiragana and Katakana alphabets will be covered, as well as a limited number of basic Kanji. Fall, spring.

**253, 254.** Japanese III and IV (LANGUAGE) (NON-WESTERN) (4, 4). Further development and improvement of skills learned in Beginning Japanese, with an emphasis placed on Kanji acquisition. (Prerequisite: Japanese 152 is the prerequisite for 253;253 is the prerequisite for 254.) Fall, spring.

**368.** Advanced Japanese Language (NON-WESTERN) (4). Listening, reading, and speaking skills integrated with writing. Emphasis is on kanji acquisition and writing in Japanese. Repeatable once for credit. (Prerequisite: Japanese 253 or equivalent.) Offered as needed.

## Spanish

**161, 162.** Spanish I and II (LANGUAGE) (4, 4). Development of speaking, listening, reading and writing skills in Spanish, with an introduction to Hispanic cultures. (Prerequisite: Spanish 161 or equivalent for 162). Fall, spring.

**263.** Spanish III (4). Review and continued development of the four skills, now with topical essays and literature selections as the basis for written work and discussion. (Prerequisite: Spanish 162 or equivalent.) Fall.

**264.** Spanish IV (4). Additional development of the four language skills in Spanish, through reading, writing, films and television, and the discussion of current events. Emphasis will be placed on achieving a greater familiarity with the linguistic diversity and varied cultures of the Spanish-speaking peoples in the U.S., Latin America, and Spain. (Prerequisite: MLC 263 or equivalent.) Spring.

**267.** Professional Spanish (4). For future professionals who plan to use Spanish in the workplace. While common language functions are practiced together, students also work individually to develop vocabulary and language skills specific to business, social services and education. (Prerequisite: Spanish 264 or equivalent.) Fall '09.

**268.** Intermediate Spanish Conversation (2). Development of speaking and comprehension skills in Spanish, through pronunciation practice, review of grammar and structures, vocabulary-building activities, dialogues, individual reports, discussions, enhanced with use of audio-visual aids. (Prerequisites: MLC 162 or equivalent, Open to freshmen) Fall.

**371.** Peninsular Spanish Literature and Culture (HUMANITIES) (4). Reading and discussion of major works of Spain and their cultural relevance. The course addresses higher-level language skills in Spanish while developing a knowledge base of Spanish literature and culture. Repeatable once for credit. (Prerequisite: MLC 264 or equivalent.) Fall '08.

**372.** Spanish-American Literatures and Cultures (HUMANITIES) (4). Reading and discussion of major works of Mexico and Central and South America and their cultural relevance. The course addresses higher-level language skills in Spanish while developing a knowledge base of Spanish-American literatures and cultures. Repeatable once for credit. (Prerequisite: MLC 264 or equivalent.) Spring '09.

**376.** Contemporary Hispanic Literatures and Cultures (HUMANITIES) (4). An examination of recent and current events as they have influenced the cultures and literatures of the Spanish-speaking world. Includes reading and discussion of contemporary prose, poetry and drama by Spanish, Latin American, and U.S. Hispanic writers. Themes will change every two years. Repeatable once for credit. (Prerequisite: MLC 264 or equivalent.) Spring '10.

**377.** The Spanish-Speaking World (4). Overview of the history, geography, societies and institutions of the Spanish-speaking peoples throughout the world. This course will help students to prepare for the Michigan Teacher Certification Test in Spanish, although it is not limited to Teacher Education students. (Prerequisite: MLC 264 or equivalent.) Spring '09.

**378.** Advanced Spanish Language (4). Listening, speaking and reading integrated with writing skills. Emphasis is on the process and steps for writing successfully in Spanish. Repeatable once for credit. (Prerequisite: MLC 264 or equivalent. When offered as a writing intensive course, English 101 is a prerequisite.) Spring.

**379.** Advanced Spanish Conversation (2). Newspapers, magazines, television and radio as source material for topics discussed. Repeatable once for credit. (Prerequisite MLC 264 or equivalent.) Spring.

### **American Sign Language**

**191, 192.** American Sign Language I and II (LANGUAGE) (4, 4). Development of basic to intermediate signing skills, as well as an introduction to the grammar and history of ASL. Readings and discussions will also instill an understanding of the culture of the deaf and hearing-impaired communities in the United States and abroad. (Prerequisite: 191 or equivalent for 192.) Fall, spring.

### **English as a Second Language**

**180.** English as a Second Language I (LANGUAGE) (4). For students whose native language is not English. Basic English grammar and classroom practice in reading, writing, speaking and listening. Fall and spring as needed. **181.** English as a Second Language II (LANGUAGE) (4). Continued study of ESL. Grammar review when necessary. Continued drill in the four basic skills with classroom reports, interviews, discussion and informal conversation to build confidence and proficiency. Fall and spring as needed.

### **Special and Advanced Courses**

**199.** Exploratory Internship (1-3).

**250.** Special Topics (1-4). Designed particularly for non-majors, the course can be repeated with a different topic.

**299.** Experimental Course (1-4).

**399.** Professional Internship (1-12).

**451.** Independent Study (1-3). Advanced study in areas beyond regular course offerings. (Prerequisite: departmental permission.)

**490.** Study Abroad Capstone Seminar (1). Students returning from a study abroad semester will present a portfolio of journals and essays to reflect on their experience. Specific topics to be addressed: The relationship between language and culture, the student's self-understanding as a language learner, and the impact of the study-abroad experience on the student's chosen career as a teacher or professional. Required for Teacher Ed majors and minors, recommended for other language majors. (Prerequisite: Study abroad.) Spring.

**491.** Senior Research (2). Majors conduct extensive research on a topic of their choosing and in conjunction with their advisor primarily in the target language. A bibliography and a 3 to 5-page prospectus is presented to the Department. (Prerequisite: Open only to modern language majors with senior standing.) Fall, spring.

**492.** Senior Research Presentation (2). Twenty-page paper in the target language according to MLA style, along with a 3 to 5-page English summary, presented to the Department and the College. (Prerequisite: MLC 491). Fall, spring.

**499.** Advanced Experimental Course (1-3).

## **Music**

Adrian College offers a Bachelor of Music in Performance and a Bachelor of Music Education. These degrees are designed to prepare candidates for a professional career in music or for continued studies at the graduate level. Bachelor of Arts degrees are available in Music, Musical Theatre, and Arts Administration. These degrees provide students a liberal arts degree with a strong emphasis in music and may also lead to graduate studies. A music minor is also available to students who wish to make music a part of their college experience. Music majors are encouraged to select a music faculty member as their advisor, and register for applied lessons, and an ensemble in their freshman year. All music majors and minors must take the theory placement exam during orientation week.

All candidates must declare a principal instrument and perform a jury for every semester of study. Departmental approval must be granted at the end of the sophomore year for a student to continue in a music degree program (approval is based on a departmental jury and/or examination). All candidates must participate in "Studio Class," a seminar course that meets every Thursday at noon. Studio Class is a forum for the exploration and discussion of topics essential to all music students. It includes visiting guest artists, workshops, student and faculty recitals and related performances.

Candidates in B.M. (Performance) and B.A. (Music) degree tracks must pass the piano proficiency exam prior to graduation. Music Education candidates must pass the piano proficiency exam before their student teaching commences. Musical Theatre, Arts Management, and Music Minors are not required to take the piano proficiency exam.

Majors and minors in music are required to participate in a large ensemble each semester, with the exception of education majors who are excused from ensemble during the semester of student teaching. Large ensembles include the following: Adrian College Choir, Adrian Concert/Marching Band, and the Lenawee Community Chorus. Small ensembles include Jazz Band, Chamber Choir, String Ensemble and chamber music ensembles. Small ensembles will fulfill elective credit in the department.

### ***Major Program Requirements***

#### **Bachelor of Music Education with Teacher Certification in Music**

See the Teacher Education section of the catalog.

#### **Bachelor of Music in Performance**

(64 hours)

##### **Music B.M. Core (32 hours)**

- MUS 101 Theory I (2)
- MUS 102 Theory II (2)
- MUS 103 Ear Training I (1)
- MUS 104 Ear Training II (1)
- MUS 115 Keyboard I (1)
- MUS 116 Keyboard II (1)
- MUS 201 Theory III (2)
- MUS 202 Theory IV (2)
- MUS 203 Ear Training III (1)
- MUS 204 Ear Training IV (1)
- MUS 215 Keyboard III (1)
- MUS 216 Keyboard IV (1)

- MUS 310 Junior Recital (1)
- MUS 316 Medieval/Renaissance Hist/Lit (3)
- MUS 317 Baroque and Classical Hist/Lit (3)
- MUS 318 Romantic Hist/Lit (3)
- MUS 319 Twentieth Century Hist/Lit (3)
- MUS 401 Musical Form (2)
- MUS 410 Senior Recital (1)

##### **Music B.M. Electives (32 hours)**

6 hours selected from the following: 128, 132, 301, 302, 303, 304, 402

8 consecutive semesters of applied music in the student's principal instrument (14 hrs.)

(Music majors whose primary instrument is piano choose 4 hours of music electives in place of 115-116, 215-216.)

8 semesters of a large ensemble

4 semesters of a small ensemble

#### **Bachelor of Arts in Music**

(45 hours)

##### **Music B.A. Core (29 hours)**

- MUS 101 Theory I (2)
- MUS 102 Theory II (2)
- MUS 103 Ear Training I (1)
- MUS 104 Ear Training II (1)
- MUS 115 Keyboard I (1)
- MUS 116 Keyboard II (1)
- MUS 201 Theory III (2)
- MUS 202 Theory IV (2)
- MUS 203 Ear Training III (1)
- MUS 204 Ear Training IV (1)
- MUS 215 Keyboard III (1)
- MUS 216 Keyboard IV (1)
- MUS 316 Medieval/Renaissance Hist/Lit (3)
- MUS 317 Baroque and Classical Hist/Lit (3)
- MUS 318 Romantic Hist/Lit (3)
- MUS 319 Twentieth Century Hist/Lit (3)
- MUS 410 Senior Recital (1)

##### **Music B.A. Electives (16 hours)**

8 consecutive semesters of applied music in the student's principal instrument (8 hrs.)

(Music majors whose primary instrument is piano choose 4 hours of music electives in place of 115-116, 215-216.)

8 semesters of a large ensemble

### ***Minor Program Requirements***

The music minor requires the completion of a minimum of 24 semester hours, including Music 101, 102, 103, 104, 201, 203; six hours from 316, 317, 318, 319; 4 consecutive semesters of applied music; 4 semesters of a large ensemble, and 1 semester hour of an elective.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

## Music Theory

First year music majors and minors must take a theory placement exam prior to registering for theory courses. Placement exams are offered during freshman orientation or by appointment.

**099.** Music Fundamentals (3). A review course designed to prepare students for the Music Theory and Ear Training sequence. Rudimentary concepts include the grand staff, key signatures, time signatures, notation, major and minor scales, simple and compound time, and chord construction. Concepts of ear training and basic keyboard skills will be introduced. Fall.

**101.** Theory I (2). Understanding the structure and function of the language of music with emphasis on modes, intervals, rhythm, cadences, melody writing, triads, non-chord tones, first species counterpoint, and four-part harmonic structures (Co-requisites 103 & 115). Spring.

**102.** Theory II (2). Understanding the structure and function of the language of music with emphasis on harmonic analysis and part-writing, seventh chords, modulation, secondary dominant chords, and binary and ternary forms (Prerequisite 101; Co-requisites 104 & 116). Fall.

**103.** Ear Training I (1). Perception of rhythm, melody, harmony and form through solfege and aural dictation, with emphasis on major keys in duple and compound time. (Corequisites: 101 & 115) Spring.

**104.** Ear Training II (1). Perception of rhythm, melody, harmony and form through solfege and aural dictation, with emphasis on minor keys in duple and compound time. (Prerequisite: 103; Corequisites: 102 & 116) Fall.

**201.** Theory III (2). Understanding the structure and function of music with emphasis on two-voice 18th-century counterpoint, fugue, borrowed chords, Neapolitan and augmented 6th chords, variation techniques, sonata-allegro and rondo forms (Pre-requisite 102; Co-requisites 203 & 215). Spring

**202.** Theory IV (2). Understanding the structure and function of music with emphasis on extended harmonies (9th, 11th, and 13th chords), altered dominants, chromatic mediants, devices of the Romantic period, devices of Post-Romantic, Impressionistic, and 20th-century styles, including twelve-tone techniques (Pre-requisite 201; co-requisites 204 & 216). Fall.

**203.** Ear Training III (1). Perception of rhythm, melody, harmony and form through solfege and aural dictation, with emphasis on chromatics, syncopation and modulation to closely related keys. (Prerequisite: 104; Corequisites 201 & 215) Spring.

**204.** Ear Training IV (1). Perception of rhythm, melody, harmony and form through solfege and aural dictation, with emphasis on modulations, mixed meters, and modes. (Prerequisite: 203; Corequisites 202 & 216) Fall.

**301.** Counterpoint (2). An in-depth study of the styles and fundamentals of 17th and 18th Century counterpoint. Students will explore the textures and underlying rules of compositions drawn from representative works. Practical compositional skills will be developed and discussed, with performances of student compositions. (Prerequisite: Music 202 or permission of instructor.) Offered as needed.

**302.** Advanced Harmony and Composition (2). The styles and schools of composition of the last hundred years, with original student compositions studied and played. (Prerequisite: Music 202 or permission of instructor.) Offered as needed.

**401.** Musical Form (2). The study of musical composition, with particular reference to its formal design. Architectural elements in music are traced, from the phrase through larger formal designs. (Prerequisite: Music 202 or permission of instructor.) Fall '09.

**402.** Orchestration (2). Designed to provide students with knowledge of the capabilities of band and orchestral instruments and elementary orchestration techniques. Emphasis is on arranging for small groups, followed by arranging for full symphony orchestra or band using computer software. (Prerequisite: Music 202 or permission of instructor.) Spring '10.

## Music History and Literature

**107.** Introduction to Music (ARTS) (3). Explores the development of music from antiquity to the present day, helping students develop an appreciation for and understanding of a wide variety of musical styles and techniques. Emphasizes Western Art Music as well as non-Western and popular music. Fall.

**210.** Music of Non-Western Civilizations (ARTS; NON-WESTERN) (3). Musical traditions of Non-Western cultures, including the music of the Middle and Far East, Africa and Indonesia. Explores various song-forms, instruments, and tonal structures, and the social practices, beliefs or rituals from which they originate. Spring.

**316.** Medieval/Renaissance Music History and Literature (3). Medieval and Renaissance music is studied through an introduction to the leading composers, genres and forms. Emphasis on listening, analysis, research and writing and the application of these skills in preparing papers or projects. (Prerequisite: Music 101). Fall '09.

**317.** Baroque and Classical Music History and Literature (3). Baroque and classical music are studied through an introduction to the leading composers, genres and forms. Emphasis on listening, analysis, research and writing, and the application of these skills in preparing papers or projects. (Prerequisite: Music 101). Spring '10.

**318.** Romantic Music History and Literature (3). Romantic music is studied through an introduction to the leading composers, genres and forms. Emphasis on listening, analysis,

research and writing, and the application of these skills in preparing papers or projects. (Prerequisite: Music 101). Fall '08.

**319.** Post-1900 Music History and Literature (3). Contemporary art music is studied through an introduction to the leading composers, genres and forms. Emphasis on listening, analysis, research and writing, and the application of these skills in preparing papers or projects. (Prerequisite: Music 101). Spring '09.

**341.** Special Topics in Music (ARTS) (3). An introduction to various topics in music, focusing on one primary area each semester offered. Topics may include Jazz, Non-Western Music and Ethnomusicology, Opera and Musical Theater or specific composers and performers. For non-majors interested in music without previous musical experience. Also open to majors for elective credit. This course may be repeated once for credit, provided the course topic is different from the course previously taken. Offered as needed.

### **Applied Music and Performance Preparation**

**220-249.** Applied Music (ARTS) (1-2). Private instruction in all orchestral and band instruments, piano, organ, guitar and voice. The aim is thorough development of all phases of performance, technique, style, musicianship, memorization, interpretation, and repertoire. Music majors and minors are required to participate in juries at the end of each semester of applied study.

Music majors and minors must attend Studio Class every Thursday at noon, concurrent with Applied Music. After a student has successfully completed four semesters of an applied music course, additional credits earned in that applied music course will be considered as 300- to 400-level credits and may be counted as such.

\*Three semester hours of the same applied instrument will apply toward the arts distribution requirement.

**115.** Keyboard I (1). Basic keyboard skills for students majoring or minoring in music. Focus on scales, chord construction, arpeggios, and simple songs. (Corequisites: 101, 103.) Spring.

**116.** Keyboard II (1). Continuation of Keyboard I. Major and minor scales, chord construction, arpeggios, simple harmonic cadences, chord progressions, sight reading skills, and songs. (Prerequisite: Music 115; corequisites: 102, 104.) Fall.

**128.** Diction for Singers (1). Rules of diction for English, Italian, German and French. Techniques for preparing and performing songs, text analysis and translation, as well as the application of the International Phonetic Alphabet. (Prerequisites: permission of instructor, corequisite: MUS 237) Spring.

**130.** Voice Class (ARTS) (1). The fundamentals of breath control and tone production, with emphasis on individual

instruction in preparing and performing standard song literature. (May be repeated for credit up to 3 semesters.) Spring '10.

**142.** Piano Class (ARTS) (1). For non-music majors who have had little or no keyboard training. Basic instruction in music reading and piano technique. (May be repeated for credit up to 3 semesters.)

**212.** Opera Workshop (1). Students explore various operatic roles through the preparation and performance of arias, scenes, and/or one acts. Singing, acting, and movement exercises provide practical experience and develop skills for performances and auditions. May be repeated for credit up to 3 semesters. (Corequisite: Music 237; Prerequisite: permission of instructor.) Fall.

**213.** Musical Theatre Workshop (1). Explore various musical theatre roles through the preparation and performance of songs or scenes. Singing, acting and movement exercises provide practical experience and develop skills for performances and auditions. May be repeated up to 3 semesters. (Corequisite: Music 237; Prerequisite: permission of instructor.) Spring.

**215.** Keyboard III (1). Continuation of Keyboard II. Major and minor scales in all key areas, construction of seventh chords, arpeggios in all key areas, chord progressions, sight reading, transposition of simple melodies and songs. (Prerequisite: Music 116; corequisites: 201, 203.) Spring.

**216.** Keyboard IV (1). Continuation of Keyboard III. Includes all skills necessary to pass the Piano Proficiency Exam, including scales, arpeggios, chord construction, chord progressions, melodic harmonization and transposition, and sight reading. (Prerequisite: Music 215; corequisites: 202, 204.) Fall.

**303.** Conducting I (2). Introduction to score preparation, basic beat patterns and usage, ear training, selection of the appropriate tempo, foreign terms, analysis of text for musical meaning, leadership development, rehearsal techniques, and stage presence. (Prerequisite: Music 102 or permission of instructor.) Fall '08.

**304.** Conducting II (2). Emphasis on both vocal and instrumental applications. The scope expands beyond elementary skills to include instrumental fundamentals, transposition, balance, developing interpretive leadership, rehearsal techniques and stage presence. (Prerequisite: Music 303 or permission of instructor.) Spring '09.

**310.** Junior Recital (1). Preparation and presentation of a junior recital approved by the department and supervised by a member of the music faculty. Must be taken concurrently with applied music lessons. (Prerequisite: permission of the department chair.) Offered as needed.

**410.** Senior Recital (1). Preparation and presentation of a senior recital approved by the department and supervised by

a member of the music faculty. Must be taken concurrently with applied music lessons. (Prerequisite: permission of the department chair.) Offered as needed.

**450. Senior Music Project (1).** An individual project dealing with music at a level appropriate for a senior music major, which must be approved by the department and supervised by a member of the music faculty. A presentation of the results of the project must be made to a committee of music faculty. (Prerequisite: permission of the department chair.) Offered as needed.

### **Ensembles**

Students may apply a maximum of 8 semester hours of credit in ensembles, applied music and theatre activities toward the 124 semester hours required for graduation. Music majors and minors may apply the additional required ensemble and applied credits towards 124 semester hours.

After a student has successfully completed four semesters of an ensemble, additional credits earned in that ensemble will be considered as 300- to 400-level courses and may be counted as such.

\*Three semester hours of the same ensemble may be applied toward the ARTS distribution requirement.

**140. Adrian College Choir (ARTS) (1).** Repertoire covers a wide variety of music ranging from classic to contemporary. Performances include concerts and special college events. Annual choir tour. Open to all students; no audition necessary. Fall, spring.

**150. Lenawee Community Chorus (ARTS) (1).** Includes singers from the community and from Adrian College. Emphasis is on the performance of large choral works with orchestra. Open to all students. No audition necessary. Fall, spring.

**152. Guitar Ensemble (ARTS) (1).** Students learn ensemble repertoire for guitar spanning classic to contemporary. Performances include campus events, concerts and recitals (Open to all students, Prerequisite 226 or permission) Fall, spring.

**160. Adrian College Chamber Choir (ARTS) (1).** Advanced repertoire ranging in style from classic to contemporary. Performs in concert and special events on campus and in the community. Annual choir tour. Audition required. Fall, spring.

**165. Woodwind Quintet (ARTS) (1).** A chamber ensemble covering wind music of all style periods. Students will gain knowledge in the performance of chamber music with emphasis on balance, control, intonation and independence of parts. Performances are required outside of class. (Open to all students.) Fall, spring.

**173. String Ensemble (ARTS) (1).** Chamber ensemble covering string music of all styles. Students will gain knowledge

in performance with emphasis on balance, control, intonation and independence of parts. Performances are required outside of class. (Open to all students.) Fall, spring.

**175. Brass Quintet (ARTS) (1).** A chamber ensemble covering brass music of all styles. Students will gain knowledge in the performance of chamber music with emphasis on balance, control, intonation and independence of parts. Performances are required outside of class. (Open to all students.) Fall, spring.

**180. Concert/Marching Band (ARTS) (1).** Students perform field shows in the fall and concert literature in the spring. Repertoire represents wide cross-section of traditional works. Performances include appearances at college events, field shows at football games and concerts. (Open to all students) Fall, spring.

**181. Drumline Techniques (1).** Students learn, practice and perform drumline drill in preparation for marching band. (Open to all students) Spring.

**183. Percussion Ensemble (ARTS) (1).** Students learn ensemble repertoire for traditional and non-traditional percussion spanning classic to contemporary and including world music. Performances include campus events, concerts and recitals. (Open to all students) Spring.

**185. Jazz Ensemble (ARTS) (1).** The Jazz Ensemble is dedicated to the contemporary jazz idiom, concentrating on performing modern jazz and blues compositions. The ensemble offers many opportunities for learning and developing the techniques of improvisation and jazz performance. Emphasis is on performance excellence and jazz proficiency. (Open to all students.) Fall, spring.

**195. Chamber Music (ARTS) (1).** Selected students are incorporated into small ensembles to perform literature from all periods of music history. (Open to all students.) Fall, spring.

### **Music Education**

**105. Essentials of Music for Elementary Teachers (3).** Development of fundamental skills required to teach elementary classroom music; incorporates song material which can be applied in the instruction of children. (Prerequisite: open only to students of elementary education.) Spring.

**120. String Methods (1).** Develop skills to model and work effectively with students on all string instruments in group beginning instrument classes. Students gain knowledge and skills for rehearsing large groups in elementary and secondary ensemble settings. (Prerequisite: Music education major) Fall '09.

**122. Brass Methods (1).** Develop skills to model and work effectively with students on all brass instruments in group beginning instrument classes. Students gain knowledge and skills for rehearsing large groups in elementary and secondary ensemble settings. (Prerequisite: Music education ma-

major) Fall '10.

**124.** Percussion Methods (1). Develop the skills to model and work effectively with students on all percussion instruments in group beginning instrument classes. Students gain knowledge and skills for rehearsing large groups in elementary and secondary ensemble settings. (Prerequisite: Music education major) Spring '11.

**126.** Woodwind Methods (1). Develop skills to model and work effectively with students on all woodwind instruments in group beginning instrument classes. Students gain knowledge and skills for rehearsing large groups in elementary and secondary ensemble settings. (Prerequisite: Music education major) Fall '08.

**131.** Foundations in Music Education (2). Exploratory introduction to the basic philosophies and methodologies of music education. School observations, teacher interviews and classroom discussion provide context for subsequent courses in music and teacher education. Spring.

**132.** Vocal Pedagogy (1). Provides the skills to model and work effectively with elementary, middle and high school students on developing the solo vocal instrument in beginning music classes or private voice studio. Spring '09.

**362.** Instrument Methods and Materials (2). Exploration of techniques and strategies for teaching middle and high school band and orchestra classes. Development of rehearsal techniques and familiarity with age-appropriate repertoire. Spring '10.

**363.** Choral Methods and Materials (2). Exploration of techniques and strategies for teaching middle and high school choirs. Development of rehearsal techniques and familiarity with age-appropriate repertoire. Spring '10.

**371.** Music in the Elementary Schools (2). The student will plan, execute, and evaluate music activities in relation to the individual child and to the group at the elementary level. The student will employ the most effective contemporary methods in facilitating planned music activities. He/She will use materials available to music education for use in today's classroom including exceptional (both gifted and special needs) students. Music activities will include multiethnic and multicultural music. Fall '09.

### ***Special and Advanced Courses***

**110.** Music Activities (1-3). Participation in an activity of particular interest to students of music and faculty. Examples may be pit orchestra, opera chorus, assistant director. Open to all college students. (Prerequisite: permission of the Department of Music.) (No more than eight hours of combined credit in communication, theatre and music activities, including lessons and ensembles, may be applied towards graduation credit. See page 65 for details.)

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12). A maximum of 2 semester hours is allowed toward the music major.

**451.** Independent Study (1-3). Exploration of an area in music of special interest to the student; the particular study and hours are arranged by the staff. A maximum of 2 semester hours is allowed toward the music major. (Prerequisite: written departmental permission.)

**499.** Advanced Experimental Course (1-3).

## **Musical Theatre**

The musical theatre program is an interdisciplinary program offered jointly through the Department of Theatre and the Department of Music. It has been designed to give students the opportunity to learn, in a liberal arts setting, how music and theatre come together to form this important American art form. This program leads to the Bachelor of Arts degree, and provides students with the foundation for a variety of careers as well as for further study at the graduate level. Musical theatre graduates might consider careers in any of several fields, including musical theatre performance, management, production, and education.

### ***Major Program Requirements***

#### **Bachelor of Arts in Musical Theatre**

(22) hours in Theatre and (22) hours in Music

#### Music Theatre Core

THRE 108	Acting I (3)
THRE 115	Beginning Modern Dance (1)
THRE 116	Beginning Jazz (1)
THRE 117	Beginning Ballet (1)
THRE 120	Tap (1)
THRE 207	Stagecraft (3)
THRE 216	Intermediate Jazz (1)
or	
THRE 217	Intermediate Ballet (1)
THRE 219	Musical Theatre Dance (1)
THRE 303	Acting II (3)
THRE 314	History of Musical Theatre (3)
THRE 318	Choreography (1)
THRE 420	Musical Theatre Senior Project (3)
MUS 101	Theory I (2)
MUS 103	Ear Training I (1)
MUS 115	Keyboard I (1)
MUS 213	Musical Theatre Workshop (1,1,1)
MUS 231	Applied Piano (1, 1, 1)
MUS 237	Applied Voice (8 Semesters for a total of 8credits)

#### **Electives**

(four semesters of a large vocal ensemble for a total of 4 credits)

**NOTE:** Participation in all Adrian College musical theatre productions is also expected. For course descriptions, consult

listing for the Departments of Theatre and Music.

## **Philosophy/Religion**

The objective of the department of philosophy/religion is to help students understand and answer questions fundamental to the meaning and significance of life, to human existence and the nature of reality. Specific faculty interests include philosophical theology, literary theory, religion and culture, ethics, the Bible, globalization and world religions, feminist theory, and the philosophy of biology.

Students interested in philosophy and religion may earn the Bachelor of Arts degree with one of two majors: religion or philosophy. A minor in teaching about religion in public schools is available for those majoring in education. The department also offers minors in both philosophy and religion.

In addition to preparing for church-related careers, students majoring in philosophy or religion may enter such fields as counseling, law, business, social work and a variety of service professions at the local, state and national levels. For those planning to enter graduate school or seminary, the department offers a balanced program of preparatory studies.

### ***Major Program Requirements***

#### **Bachelor of Arts in Philosophy** (30 hours)

##### **Philosophy Core (18 hours)**

- PHIL 105 Logic (3)
- PHIL 110 Philosophy and Literature (3)
- PHIL 351 Classical and Hellenistic Philosophy (3)
- PHIL 353 Modern Philosophy (3)
- PHIL 304 Ethics (3)
- PHIL 400 Senior Thesis (3)

##### **Philosophy Electives (12 hours)**

At least 12 additional hours in philosophy, at least six of which must be earned in courses numbered 300 and above.

#### **Bachelor of Arts in Religion** (30 hours)

##### **Religion Core (3 hours)**

- RELG 400 Senior Research Project (3)

##### **Religion Electives (27 hours)**

Any one of the following courses: RELG 101, 102, 105 or 114 (3)

At least one of the following courses: RELG 302, 308, 310 (3)

21 additional hours in Religion (at least 21 of the 30 required hours must be earned in courses numbered 300 or above)

At least one of the religion classes must be a course designated as non-Western.

#### **Bachelor of Arts With Teacher Certification Minor in the Academic Study of Religion**

See the Teacher Certification section of the catalog.

### ***Minor and Associate Program Requirements***

The academic minors in philosophy or religion require a minimum of 18 semester hours of philosophy or religion courses, respectively, including at least 9 semester hours at the 300-level or above.

The Associate of Arts degree in philosophy/religion requires a minimum of 18 semester hours in the department with 9 hours at or above the 300 level.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

### **Philosophy**

**101.** Introduction to Philosophy (RELIGION/PHILOSOPHY) (3). The meaning and scope of philosophy and the major problems with which it is concerned. Fall.

**102.** Contemporary Moral Problems (RELIGION/PHILOSOPHY) (3). An introduction to philosophical perspectives on some of the important ethical controversies facing our society, with a focus on developing and critically analyzing reasons used to support a moral position. Topics vary, but may include abortion, cloning, the legalization of drugs, physician assisted suicide, animal rights, and the death penalty. Spring.

**105.** Logic (RELIGION/PHILOSOPHY) (3). How arguments are formulated and evaluated, analysis of the role of language in communication and training in the detection of common fallacies. Includes categorical, propositional, and predicate logic. Taught occasionally.

**110.** Philosophy and Literature (RELIGION/PHILOSOPHY) (3). Major philosophic theories of literature, from ancient to modern times, including the use of literature as a vehicle for philosophic ideas. Specific examples will be considered. Fall.

**129.** Introduction to Women's Studies (3). An introduction to basic women's studies concepts and theories, drawing on methodologies and content of multiple disciplines. Explores the social and psychological processes by which individuals establish gender identity, the institutions that shape gender identity, and the articulation of gender across racial and socio-economic categories.

**300.** Topics in Philosophy (3). A special topic or topics including practical applications of philosophy or the relationship of philosophy to other aspects of life. Offered as needed.

**301.** Philosophy of Religion (3). An inquiry into the scope and function of religion, the nature and destiny of human beings, the existence and nature of God and other selected problems. (Prerequisite: one course in religion or philosophy.) Taught as needed.

**304.** Ethics (3). An examination of the major ethical theories of ancient and modern times and their impact upon traditional and contemporary ethical problems. Special attention is paid to the development of ethical thinking and the application of ethical theory to contemporary moral problems. (Prerequisite: one course in religion or philosophy.) Fall '06.

**321.** Science, Skepticism and Faith (3). Basic course in epistemology and metaphysics. Topics include the distinction between scientific and non-scientific types of knowledge (if any), the difference between "belief" and "knowledge" (if any), theories of "truth", and the case for and implications of skepticism. (Prerequisites: one previous course in religion or philosophy). Taught occasionally.

**325.** Theology on Film (3). See Religion 325 for course description.

**328.** Liberation Theology (3). See Religion 328 for course description.

**329.** Feminist Thought (3). See Religion 329 for course description.

**331.** Philosophy of Law (3). This course examines the theoretical and philosophical aspects of law. Materials will be drawn from actual legal cases, as well as writings by philosophers and lawyers. Topics may include legal reasoning, the nature and purpose of law, criminal responsibility, negligence, civil disobedience, the relationship of law and morality, and omissions and the duty to rescue (Prerequisites: one previous course in religion or philosophy.)

**332.** Contemporary Social and Political Philosophy (3). An examination of fundamental concepts and issues in political theory, such as the justification and limits of political authority, and the relationship between the individual and the community, the nature of freedom and obligation, and the obligation to obey the law. (Prerequisites: one previous course in religion or philosophy.)

**344.** Biomedical Ethics (3). Ethical issues created by recent advances in medical technology, including questions such as the relationship between the health care provider and the patient; truth and information; autonomy and diminished capacity; and genetic engineering within the context of moral reasoning. (Prerequisite: one course in religion or philosophy.) As needed.

**351.** Classical and Hellenistic Philosophy (3). Examination of the philosophical systems of the Ancient Greeks and Romans. Special attention given to the work of Plato and Aristotle. (Prerequisites: one previous course in religion or philosophy). Fall '07.

**352.** Christian Heresies and Orthodoxies (3). See Religion 352 for course description.

**353.** Modern Philosophy (3). Exploration of the foundations

of modern philosophy, including the contributions of Descartes, Hume and Kant. (Prerequisites: one previous course in religion or philosophy). Spring '07.

**354.** 19th and 20th-Century Christian Theology (3). See Religion 354 for course description.

**400.** Senior Thesis (3). Senior research project stressing the application of research skills and the synthesis of knowledge in the discipline of philosophy. (Prerequisite: senior philosophy major).

## Religion

**101.** Reading the Bible (RELIGION/PHILOSOPHY) (3). The texts and history of the Jewish and Christian Bibles. Survey of the ways that the Bible has been read from ancient times to the present, with examples, and their implications for the understanding of the text and the reader's beliefs. Introduction to the transmission, translation, and reception of the biblical texts. Fall.

**102.** Religions of the West (RELIGION/PHILOSOPHY) (3). Survey of major monotheistic traditions in the West: Judaism, Christianity and Islam. Emphasis on the major forms of these three faiths including Traditional and Reform Judaism, Eastern Orthodox, Roman Catholic and Protestant Christianity, and Sunni and Shiite Islam. Attention will be given to historical origins, daily practices and holidays, and contemporary issues. Fall.

**105.** Religions of the East (RELIGION/PHILOSOPHY, NON-WESTERN) (3). Primal religions, religion in Africa, Hinduism, Buddhism, Jainism, Taoism, Confucianism and Shintoism, introducing the basic concepts and concerns of these religions. The major emphasis is on the religions of India, China and Japan. Spring.

**106.** Religions in America (RELIGION/PHILOSOPHY) (3). Emphasis on Christianity, Judaism, Afro-American and Native American traditions in America, religion's role in shaping American culture and special attention to recent developments. Fall.

**108.** Myth, Ritual and Symbol (RELIGION/PHILOSOPHY, NON-WESTERN) (3). An exploration of the world's dominant religious and secular worldviews focusing on the myths, rituals and symbols contained in their sacred texts. The material is divided equally between Western and Eastern religions. Fall.

**110.** World Christianities (RELIGION/PHILOSOPHY) (3). Study of the contemporary situation of the Christian tradition worldwide. Focus on Christianity in discrete geographical areas, and the diversity and richness of Christian cultures. Areas of study include Eastern Orthodoxy, Christianity in Africa, Asia, and Latin America, the rise of Pentecostalism, and Christians in relation to other religious traditions. Spring.

**114.** Christian Social Ethics (RELIGION/PHILOSOPHY)

(3). Contemporary social problems and their relationship to Christianity. Attention given to the historical development of various Christian approaches to social issues, emphasizing current social engagement.

**118.** Drugs and Religious Experience (RELIGION/PHILOSOPHY, NON-WESTERN) (3). An exploration of the ritual use of hallucinogenic drugs in sacred culture. The central issue of the course is the relationship between such drugs and religious experience. Examples are taken from various traditions from the Americas and Asia. May Term only.

**300.** Topics in Religion (3). A special topic or topics, including specific religions or the relation of religion to other aspects of life. (Prerequisite: one course in religion or philosophy.) Offered as needed.

**301.** Philosophy of Religion (3). See Philosophy 301 for course description.

**302.** Studies in Eastern Religion (NON-WESTERN) (3). An intensive study of one of the religious traditions of the East. Possible topics include Hinduism, Buddhism, Chinese religions and Japanese religions, with one selection per term. Special attention is given to worldview, literature, rituals and practices. (Also listed as History 302) (Prerequisite: one course in religion or philosophy.) Fall.

**303.** Old Testament/TANAK: Text and Ideology (3). Exploration of the scriptures shared by Jews and Christians, including in-depth study of selected texts, with emphasis on their variety, the cultures that produced them, and modern controversies that concern their interpretation and reflect theology, political, and cultural differences. (Prerequisites: one previous course in religion or philosophy.) Spring.

**304.** New Testament: Text and Ideology (3). Exploration to the scriptures unique to Christianity, including in-depth study of selected texts, with emphasis on their variety, the cultures that produce them, and modern controversies that concern their interpretation and reflect theological, political, and cultural differences. (Prerequisites: one previous course in religion or philosophy.) Spring.

**306.** Issues in American Religious History (3). Specific issues and movements in American religion and their interrelationships with the larger American culture. Special attention is placed on the impact of these issues and movements on the contemporary situation. Topics include social Christianity, fundamentalism and pentecostalism, civil religion, church and state, sects and cults and denominational history. (Prerequisite: one course in religion or philosophy.) Spring

**307.** Sociology of Religion (3). Methods and issues of the qualitative approach to sociology of religion. Emphasis on the construction, maintenance and function of religious organizations and groups; and, the construction of religious identity, and the function of religious worldviews and ritual

processes in maintaining that identity. (Prerequisites: one previous course in religion or philosophy). Fall .

**308.** Native American Sacred Traditions (NON-WESTERN) (3). An introduction to the worldviews and sacred traditions which form the basis of American Indian social, political, economic and material structures. Emphasis is on the intrinsic relationship between religion and culture in American Indian societies. A variety of cultures are examined, including tribes from the Great Lakes, Plains and Southwest. (Prerequisite: one course in religion or philosophy.) Fall.

**310.** Women in World Religions (NON-WESTERN) (3). Themes and issues in the traditions and texts of Buddhist, Hindu, Jewish, Christian and Muslim religions with particular attention to the role of women. Topics will include: images of women in sacred scriptures and historical traditions, ritual practices, sources of religious authority, and psychological and ethical implications of feminist approaches to religion. (Prerequisites: one previous course in religion or philosophy).

**316.** Religion in/and American Education (2-3). An exploration of the legal issues related to professional educators and the place and role of religion in the public schools; the diversity of religious traditions within school communities; and religious perspectives that students and parents may bring into the public school setting. (Prerequisite: one course in religion or philosophy.) Spring.

**319.** The Origins of Protestantism (3). Principal figures and religious, political, social, and economic factors that contributed to the development of Protestantism from the 16th through the 18th centuries. (Prerequisites: one previous course in religion or philosophy).

**325.** Theology on Film (3). Exploration of theological issues reflected in popular films, with special attention to "narrative theology" and the relationship between religious beliefs and the media. (Prerequisite: any one previous course in Philosophy or Religion.) Fall.

**328.** Liberation Theology (3). During the 20th Century a number of movements within Christianity turned to the teachings of Jesus and Hebrew prophets, and Marxist social analysis, to argue and work for social justice. Examines the origins of Liberation Theology in Latin America in the 1960s and the Black Power struggle in the U.S. Other topics include Feminist, Womanist, Ecological and Gay/Lesbian liberation theologies. (Prerequisites: one previous course in religion or philosophy.) Spring.

**329.** Feminist Thought (3). Feminist approaches to literary theory, anthropology, psychology, ethics, and philosophy, and their possible effect on contemporary theology and biblical analysis. (Prerequisites: one previous course in religion or philosophy).

**330.** Advanced Studies in the Bible (3). A detailed study

of portions of the Jewish and/or Christian scriptures. Topics may include: prophecy and apocalyptic, the Synoptic gospels, the Pauline letters, myth and parable. Emphasis is on both historical and literary approaches to the Biblical texts. (Prerequisite: RELG 101.) Repeatable with different topics.

**335. Religion and Fantasy (3).** Explores the mutual involvement of religion and fantasy (including science fiction and tales of the supernatural), from the Bible to the present. Contemporary theories of the fantastic, and their philosophical and theological implications. Readings from a wide variety of fantasy literature and film. (Prerequisites: one previous course in religion or philosophy).

**352. Christian Heresies and Orthodoxies (3).** Development of Christian theology from Jewish and Hellenic thought. Focus on major leaders, thinkers, and movements during this time. Emphasis on Augustine, Pseudo-Dionysius, and Aquinas. (Prerequisites: one previous course in religion or philosophy).

**354. 19th and 20th-Century Christian Theology (3).** Continental Theology from Schleiermacher and Hegel to the present. Will include dialectical thinkers, existentialists, feminists, and liberationists. (Prerequisites: one previous course in religion or philosophy).

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12).

**400.** Senior Research Project (3). A special project stressing the application of research skills and the synthesis of knowledge in the discipline(s) of philosophy and/or religion. Required of all majors. Spring.

**451.** Independent Study (1-3). (Prerequisite: written departmental permission.)

**499.** Advanced Experimental Course (1-3).

## **Physics**

A student may major in physics in preparation for a career in professional physics, engineering, sales engineering, education or an interdisciplinary field such as medical physics, radiological physics, biophysics, geophysics or chemical physics. Students planning to enter graduate school should complete the requirements for a Bachelor of Science degree.

### ***Major Program Requirements***

#### **Bachelor of Arts in Physics**

(30 hours and 18-19 hours of cognates)

#### **Physics B.A. Core (15 hours)**

PHYS 205 General Physics I (3)

PHYS 206 General Physics II (3)  
PHYS 209 General Physics Laboratory I (1)  
PHYS 210 General Physics Laboratory II (1)  
PHYS 320 Electronics (4)  
PHYS 370 Modern Physics  
or PHYS 380 Nuclear Radiation Physics (3)

#### **Physics B.A. Electives (15 hours)**

#### **Physics B.A. Cognates (18-19 hours)**

CIS 106 Computer Programming (3)  
MATH 135 Calculus and Analytical Geometry I (4)  
MATH 205 Calculus and Analytical Geometry II (4)  
MATH 215 Calculus and Analytical Geometry III  
or MATH 305 Differential Equations (3-4)  
A 4-hour laboratory science course in biology, chemistry or earth science.

#### **Bachelor of Science in Physics**

(30 hours and 28-29 hours of cognates)

#### **Physics B.S. Core (15 hours)**

PHYS 205 General Physics I (3)  
PHYS 206 General Physics II (3)  
PHYS 209 General Physics Laboratory I (1)  
PHYS 210 General Physics Laboratory II (1)  
PHYS 320 Electronics (4)  
PHYS 370 Modern Physics  
or PHYS 380 Nuclear Radiation Physics (3)

#### **Physics B.S. Electives (15 hours)**

15 hours of 300- or 400- level courses

#### **Physics B.S. Cognates (18 hours)**

CIS 106 Computer Programming (3)  
MATH 135, 205, 215 Calculus I, II, III (4,4,4)  
MATH 305 Differential Equations (3)

#### **Cognate Electives (10-11 hours)**

4 hours of a non-Physics laboratory course and 6 hours of mathematics courses numbered 303 and above  
OR

11 hours in either biology, chemistry or earth science, including 3 hours numbered 300 or above.

One year of French and one year of German are also recommended.

### ***Minor and Associate Program Requirements***

The Associate of Arts degree in physics requires a minimum of 12 semester hours in the department, including Physics 205, 206, 209 and 210 and 8 semester hours of mathematics including Mathematics 135 and 205.

A student working toward a minor in physics will complete at least 20 semester hours in the department, including Physics 205, 206, 209, 210, 370 and 9 hours of electives. Additional requirements are Computer Science 106 and Mathematics 135, 205, and 215 or 305.

The semesters listed after course descriptions indicate when

courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**101, 102.** Introductory Physics I, II (NATURAL SCIENCE for 101) (3, 3). Basic topics of physics on an elementary level, including mechanics, heat, sound, electricity and magnetism, optics, and atomic and nuclear physics. Three lectures per week. Meets natural and physical sciences distribution requirement when taken in conjunction with Physics 103 (for 101) or 104 (for 102). (A working knowledge of high school algebra and trigonometry is required.) Fall, spring.

**103.** Introductory Physics Laboratory I (NATURAL SCIENCE) (1). Experiments in mechanics, heat, wave motion and sound. (Prerequisite or corequisite: Physics 101.) Fall.

**104.** Introductory Physics Laboratory II (1). Experiments in electricity, magnetism, optics and modern physics. (Prerequisite or corequisite: Physics 102.) Spring.

**113.** Topics in Physics (3). Introductory-level topics in physics intended for non-science majors. Topic may vary with semester. May be repeated with different topic. (Prerequisite: open to students qualified to take Math 101)

**114.** Topics in Physics Laboratory (NATURAL SCIENCE) (1). Laboratory associated with introductory-level Topics in Physics. One laboratory session per week. (Corequisite: PHYS 113)

**205, 206.** General Physics (3, 3). Physics for scientists and engineers. Topics include mechanics, heat, wave motion, sound, electricity and magnetism, and optics. (Prerequisites: Computer Science 106, Mathematics 135. Mathematics 205 is a corequisite for Physics 205.) Fall, spring.

**209.** General Physics Laboratory I (NATURAL SCIENCE) (1). Experiments in mechanics, heat, wave motion and sound, with emphasis on measurement techniques, data handling, computer methods of analysis and experimental verification of physics principles. One 3-hour laboratory per week. (Corequisite: Physics 205.) Fall.

**210.** General Physics Laboratory II (NATURAL SCIENCE) (1). Experiments in electricity, magnetism and optics. Computer methods of analysis are used where appropriate. (Corequisite: Physics 206.) Spring.

**320.** Electronics (4). An introduction to linear and digital electronics. Topics include dc and ac circuits, power supplies, transistor biasing, small signal amplifiers, classes A and B amplifiers, operational amplifiers, Boolean logic, logic circuits, flip flops, counters and registers, analog-digital and digital-analog conversions, applications. Three lectures and one 3-hour laboratory per week. (Prerequisites: Physics 206, 210.) Offered as needed.

**370.** Modern Physics (3). Introduction to relativity and atomic physics. Relativity: simultaneity, Lorentz transfor-

mation, velocities, momentum, and energy. Atomic physics: Bohr theory, particles and waves, Schroedinger theory, one-electron atoms, magnetic moments and spin, identical particles, and multi-electric atoms. (Prerequisites: Physics 205-206 and Mathematics 215 or 305.) Offered as needed.

**380.** Nuclear Radiation Physics (3). An introduction to nuclear physics with attention to nuclear instrumentation, natural radioactivity, alpha-beta-gamma decay, nuclear reactions, neutrons, fission and fusion. (Prerequisites: Physics 205, 206 and Mathematics 215 or 305.) Offered as needed.

**401, 402.** Mechanics (3, 3). Motions of particles and systems of particles in one, two and three dimensions; moving coordinate systems; continuous media; Lagrangian methods. (Prerequisites: Physics 205, 206 and Mathematics 305.) Offered as needed.

**403, 404.** Electromagnetic Theory (3, 3). Electrostatic fields in vacuum and in dielectrics, boundary value problems, magnetic fields of steady currents and magnetic materials, induced electromotance, Maxwell's equations, plane waves, reflection and refraction, guided waves and radiation. (Prerequisites: Physics 205, 206 and Mathematics 305.) Offered as needed.

**405.** Acoustics (3). Vibrations of strings, bars, membranes and plates; acoustic waves, transmission, absorption and radiation; pipes and cavities, resonators and filters. (Prerequisite: Physics 205, 206 and Mathematics 305.) Offered as needed.

**406.** Optics (4). Lenses and mirrors: Image formation, design, aberrations, and stops, optical systems. Wave optics: Interference, diffraction, polarization, Fourier transform spectroscopy, holography. Quantum optics: atomic spectra, lasers. Three lectures and one 3-hour laboratory per week. (Prerequisites: Physics 206 and Mathematics 215 or 305.) Offered as needed.

**450.** Physics Research (1-3). Experimental or theoretical research in physics. May be repeated. (Prerequisite: instructor permission.) Fall, spring.

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12).

**451.** Independent Study (1-3). Work may be either experimental or theoretical. May be repeated. (Prerequisite: departmental permission.)

**499.** Advanced Experimental Course (1-3).

### **Political Science**

Aristotle called it the master science, the study of how humans collectively make the decisions that shape society. En-

compassing law, politics, philosophy and economics, political science develops the critical thinking skills and the ability to make informed judgments that are the hallmarks of an educated person. Graduates of the Political Science Department have served in Congress, the Michigan legislature, and in municipal governments, as well as in law and business. Students have the opportunity to develop their knowledge and skills through participation in the Model Arab League, study abroad, or specialized programs in Washington D.C. and Chicago. By graduation each student will have taken a career seminar and completed a professional internship with a political campaign, governmental or non-governmental agency, law firm or other relevant profession.

### ***Major Program Requirements***

#### **Bachelor of Arts in Political Science**

(37 hours)

#### **Political Science Core (21 hours)**

- PSCI 101 American National Government (4)  
PSCI 237 Ancient and Medieval Political Philosophy (4)  
or PSCI 238 Modern Political Philosophy (4)  
PSCI 210 Career Seminar (2)  
PSCI 236 International Relations (4)  
PSCI 295 Research Methods for Political Science (4)  
PSCI 399 Professional Internship (1)  
PSCI 409 Senior Research Seminar (2)

#### **Political Science Electives (16 hours)**

#### **Cognate (3 or 4 hours)**

- MATH 204 Elementary Statistics (3)  
or PSYC 211 Statistics for Psychology (4)

#### **Bachelor of Arts with Teacher Certification in Political Science**

See the Teacher Education section of the catalog.

Majors are encouraged, depending on their individual backgrounds, to consider the following courses related to political science: Earth Science 104, Economics 201 and 202, History 102, 103, 104, 105 or 106, SOC 208 and at least 8 hours of modern languages.

### ***Minor and Associate Program Requirements***

The Associate's Degree and the minor in political science requires completion of 20 semester hours in the discipline, including Political Science 101; 237 or 238; and 12 hours of electives in the department.

Sophomore standing and a 100- or 200-level course or the instructor's permission are prerequisites for 300-level courses. Junior standing is required to take 400-level courses.

All prospective candidates in teacher education must seek the guidance of the department of teacher education before beginning their sophomore year.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**101.** American Federal Government (SOCIAL SCIENCE) (4). The structure and function of the federal government, with emphasis on the concept of limited government, constitutional structures such as federalism and separation of powers, and consideration of how it actually functions in the contemporary world. Fall, spring.

**102.** State and Local Government (SOCIAL SCIENCE) (4). How state and local governments function, issues they face and how they relate to the federal government, with special emphasis on Michigan. Attendance at governmental meetings, interviews of public officials and presentations by governmental guest speakers are included. Fall.

**205.** Introduction to Public Policy (SOCIAL SCIENCE) (4). The public policy process is the heart of politics, where decisions are made about who gets taxed, who gets that money, and who determines what rules we have to live by. Investigates how policy is made, who the players are, and the effects of different types of policies. (Open to Freshmen.) Offered Occasionally.

**210.** Career Seminar (2). Prepares students for the transition from college to graduate school, law school, or the working world. Students will develop their resumes, learn to write application letters, improve interviewing skills, and explore career opportunities for political science majors. Fall.

**220.** United States Presidency (SOCIAL SCIENCE) (4). Examines the role and function of the Presidency in the American political system. Focus areas include presidential elections, the growth of presidential power, relations between President and Congress, and the President's role in foreign affairs. Fall '08.

**236.** International Relations (SOCIAL SCIENCE) (4). Analysis of current world politics in terms of biological, psychological, institutional, technical and geographical factors. Emphasizes the United States role in major world issues. Fall.

**237.** Ancient and Medieval Political Philosophy (SOCIAL SCIENCE) (4). Survey of classical and medieval political philosophy. Spring '09.

**238.** Modern Political Theory and Philosophy (SOCIAL SCIENCE) (4). Survey of modern and postmodern political philosophy. Spring '10.

**245.** Environmental Politics (SOCIAL SCIENCE) (4). Considers the problems of humans' effect on the environment and political responses to it. Different approaches to environmentalism are considered, and different environmental problems analyzed. Offered occasionally.

**250.** United States Foreign Policy (SOCIAL SCIENCE) (4). How foreign policy is made; how and why the U.S. has been involved in recent world affairs, including trade, foreign aid, alliances, diplomacy, terrorism, wars and revolutions, and arms control. Spring '10.

**260.** Contemporary Democracies (4). Political institutions, policies, and practices of contemporary democracies throughout the world, as well as the effects of different democratic arrangements on political and economic policy and on democratic successes and failures. Offered occasionally.

**295.** Research Methods for Political Science (4) Introduction to the research methods used in Political Science, including causal inference, hypothesis testing, measurement, sampling, survey research, document analysis, and basic statistical analysis. Spring.

**301.** Special Topics in Political Science (4). May be repeated with different topic. (Prerequisites: PSCI 101, 102, 236, or 295.)

**305.** Political Economy (4). Should government regulate the economy? How effective are these regulations and who really benefits? Analyzes the interaction of politics and markets, examines theories of political economy, and considers issues of equity and efficiency in both markets and politics. (Prerequisite Political Science 101, Economics 201 or Economics 202.) Fall '09.

**315.** Globalization (4). Central issues of the global political economy: global governance, international organizations such as the World Bank, International Monetary Fund and World Trade Organization, and the phenomenon of globalization and its implications. (Prerequisites: PSCI 101, 102, 236, or 295.) Offered occasionally.

**328.** Politics in the Third World (SOCIAL SCIENCE, NON-WESTERN) (4). Politics and problems of selected third and fourth world nations of Asia, Africa and Latin America and their relations with the United States and the rest of the world. (Prerequisites: PSCI 101, 102, 236, or 295.) Spring '10.

**330.** Public Opinion, Parties and Elections (SOCIAL SCIENCE) (4). The nature, sources and effects of public opinion; techniques, strategies and effects of propaganda; and membership, beliefs and campaigns of political parties. Coursework will include analysis and creation of propaganda and working for political parties or candidates. (Prerequisites: PSCI 101, 102, 236, or 295.) Offered occasionally.

**340.** Constitutional Law (4). Select topics of Constitutional law, including civil rights and criminal law. Explores legal reasoning and the procedures of the Supreme Court. Students will engage in a Supreme Court simulation involving a current case. (Prerequisites: PSCI 101, 102, 236, or 295.) Offered occasionally.

**351.** European Politics (4). Examines the political institutions, culture, history and problems of selected European countries and the European Union, as well as their relations with the United States and the rest of the world. (Prerequisites: PSCI 101, 102, 236, or 295.) Offered occasionally.

**355.** Model Arab League (Non-Western) (4). The politics and policies of the member-states of the Arab League and the League itself. Course involves participation in the Michigan Model Arab League and other MAL events. Spring. (Prerequisites: COMM 102, and PSCI 101, 102, 236 or 295.)

**370.** Democratization (4). Examines the processes by which authoritarian regimes become democratic, as well as current understandings of why some democratic transitions are more successful than others, by examining a number of historical and contemporary cases from around the world. (Prerequisites: PSCI 101, 102, 236, or 295.) Offered occasionally.

**405.** Political Behavior (4). Examines the foundations of social and political behavior, considering such issues as the evolutionary basis of cooperation, the foundations of racism and violence, the confluence of power and sex, the strategic value of deception, and what it means to behave rationally in a complex political world. (Prerequisites: PSCI 101, 102, 236, or 295.) Spring '10.

**409.** Senior Research Seminar (2). Culminating experience for political science majors. Students will select a research topic, review the published literature on that topic, prepare a research proposal, conduct the research, and present their findings publicly. Important writings in the discipline may be assigned. (Prerequisites: PSCI 295 and MATH 204 or PSYC 211 and Junior or Senior Status.) Fall.

### *Special and Advanced Courses*

**199.** Exploratory Internship (1-3). Arrangements may be made for internships fulfilling individual needs and interests. The Lenawee County Pre-Law Internship offers an introductory look at the field through visits and interviews with persons at a dozen or more agencies related to the legal process. Fall, spring, summer.

**222.** Washington Symposium (2-3). On-campus study combined with study at the Washington Center in Washington, D.C. Topics may include the presidency, Congress, leadership for women, foreign policy, or the news media in politics. Study in Washington includes lectures by government leaders, field trips to government agencies and one-day internships in government offices. May and August.

**299.** Experimental Course (1-4).

**399.** Professional Internship (1-12). Political science interns have been placed with judges, private and prosecuting attorneys, city and county managers, police departments, probate and district courts, newspapers, social service agencies, political campaigns and state and national legislators. Fall, spring, summer.

**451.** Independent Study (1-4). Supervised reading, research or work in an area of special interest to the student. (Prerequisite: departmental permission.) Fall, spring, summer.

**499.** Advanced Experimental Course (1-4).

## **Psychology**

A major in psychology provides a strong background in the application of the scientific method to human behavior. Students with baccalaureate degrees in psychology have found many interesting career opportunities, including positions as personnel administrators, mental health workers, opinion survey designers, counselors in community service agencies and health educators. An undergraduate major at Adrian provides the necessary background for admission to graduate school for those whose career goal is to become a professional psychologist. Students may earn either the Bachelor of Arts or Bachelor of Science degree.

### **For either degree, students must complete the Psychology Core (17 hours)**

- PSYC 100 General Psychology (3)
- PSYC 211 Statistics for Psychology (4)
- PSYC 265 Research Methods for Majors (4)
- PSYC 329 History of Psychology (3)
- PSYC 445 Senior Research (3)

### **Major Program Requirements**

#### **Bachelor of Arts in Psychology**

(31 hours)

#### **Psychology Core (17 hours - see listing above)**

#### **Psychology B.A. Electives (14 hours)**

No more than 3 hours of internship credit (Psychology 199 or 399) may be applied toward the 31-semester-hour requirement. Psychology 216 does not count toward the 31 semester-hour requirement. Psychology 216 does not count toward the 31 semester-hour requirement.

#### **Bachelor of Science in Psychology**

(31 hours)

#### **Psychology Core (17 hours - see listing above)**

#### **Psychology B.S. Electives (14 hours)**

Fourteen hours, including two of the following courses:  
PSYC 206, 303, 313, 322, and 341

#### **Psychology B.S. Cognates (16 hours)**

16 semester hours from one or more of the following departments: biology, chemistry, computer information systems, mathematics and physics

No more than 3 hours of internship credit (Psychology 199 or 399) may be applied toward the 31-semester-hour requirement. Psychology 216 does not count toward the 31 semester-hour requirement.

#### **Bachelor of Arts with Teacher Certification in Psychology**

See the Teacher Education section of the catalog.

Psychology majors must complete Psychology 100 no later than the second semester of their sophomore year, and must complete Psychology 211 by the end of the first semester of

their junior year. Psychology 265 must be completed by the end of the second semester of the junior year. Every psychology major must design and execute an individual research project in Psychology 445 during the senior year. All psychology majors (including double majors) are required to seek departmental guidance regarding the proposed program for their major.

### ***Minor and Associate Program Requirements***

The Associate of Arts degree in psychology requires a minimum of 22 semester hours in the discipline, including Psychology 100, 211, 265, and 11 hours of electives in the department. Psychology 216 does not count toward the 22 semester-hour requirement. No more than 3 hours of internship credit (Psychology 199 or 399) may be applied toward the 22 semester-hour requirement.

A minor in psychology consists of a minimum of 21 semester hours, including Psychology 100, 212, and 14 additional hours approved by the department of psychology. Psychology 216 does not count toward the 21 semester-hour requirement. No more than 3 hours of internship credit (Psychology 199 or 399) may be applied toward the 21 semester-hour requirement.

For information about Pre-Art Therapy, see the Pre-professional section of the catalog.

All prospective candidates in Teacher Education must seek the guidance of the department of Teacher Education before beginning their sophomore year.

A grade of C or better is required in the course prerequisites for any psychology course.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**100.** General Psychology (SOCIAL SCIENCE) (3). An overview of the facts, principles and methods of the science of behavior and psychological processes. Topics typically include learning, research methodology, memory, perception, cognition, psychobiology, social psychology, abnormal behavior and psychotherapy. Students may be required to participate in a limited number of experiments conducted by faculty members or advanced students (or to complete an alternative assignment). Fall, spring.

**205.** Developmental Psychology (3). Theory and research on psychological development from birth through adulthood. (Open to freshmen. Prerequisite: Psychology 100.) Spring.

**206.** Health Psychology (3). Behavioral factors in health and illness. Topics typically include stress, prevention of illness, pain and patient-practitioner interaction. Applications are made to specific illnesses. (Prerequisite: Psychology 100. Open to freshmen.) Fall.

**211.** Statistics for Psychology (4). The application of elementary research design and descriptive and inferential statistics to psychological data. Students can expect to gain

first-hand familiarity with basic statistical analyses. (Prerequisites: Psychology 100; Mathematics 101 or equivalent proficiency.) Fall.

**212.** Research Methods for Non-Majors (4). An introduction to the principles of psychological research and elementary statistics. This course CANNOT be used toward a major in psychology. (Prerequisite: Psychology 100). Spring '10.

**214.** Social Psychology (3). Individual behavior as it is influenced by the behavior of others within a variety of social contexts. Topics typically include affiliation, attitude and behavior change, interpersonal attraction, social influence, prosocial behavior and aggression. (Prerequisite: Psychology 100.)

**216.** Human Sexuality (4). The physiological, psychological and social dimensions of sexual development and behavior. Spring. (This course does not count toward the major or minor in Psychology.)

**265.** Research Methods for Majors (4). An introduction to, and application of, the scientific method in psychology. Laboratory periods are directed toward understanding scientific methodology and developing research skills. (Prerequisite: Psychology 211). Spring.

**300.** Topics in Psychology (1-3). An in-depth study of a special topic, which varies from semester to semester. Recent courses have focused on current psychotherapies, forensic psychology, and psychology in the cinema. May be repeated with a different topic. (Prerequisite: Psychology 100.) Offered as needed.

**303.** Abnormal Psychology (4). The study of behavioral and emotional disturbance. Current research and theory are applied to the description, assessment, causes and treatment of psychopathology. Students will complete a service learning project at an agency. (Prerequisite: Psychology 100.) Fall.

**304.** Theories and Principles of Psychotherapy (3). The nature of counseling and psychotherapy, with an emphasis on dominant theories, research, current practice and ethics. The basic counseling skills of empathy and listening are covered. Instruction will include therapists speaking to the class or students visiting their offices. Students will also work on a project in their area of interest. (Prerequisite: Psychology 303 or Sociology 219.) Spring, '10.

**306.** Psychology of Gender (3). Explores theories and research regarding the roots and impact of sex and gender. Typically covered are the effects of being female and male on personality, relationships, achievement, health, mental health and social life. (Prerequisite: Psychology 100.) Offered as needed.

**307.** Science, Pseudoscience and the Paranormal (2). Analysis of claims of the paranormal, with emphasis on critical thinking, scientific methodology and alternative explana-

tions advanced by skeptics. (Prerequisite: Psychology 100.) Offered as needed.

**311.** Personality Theory and Research (3). An examination of various approaches toward understanding personality including Freudian, humanistic, trait, behavioral/social learning and cognitive. The research generated by each of the theories will also be examined. (Prerequisite: Psychology 100.)

**313.** Cognitive Psychology (3). The study of cognitive processes. Topics include perception, attention, memory, problem solving, reasoning, and language. (Prerequisite: Psychology 100.) Fall.

**322.** Learning Theory (3). An examination of research findings in the area of learning; attention is directed to theoretical research results from experiments using animal or human subjects, rather than applications to non-laboratory situations. (Prerequisite: completion of 9 hours in psychology.)

**329.** History of Psychology (3). An examination of the philosophical and scientific concepts important to the development of psychology through the work and biographies of historically significant contributors to the field. (Prerequisite: completion of 12 semester hours in psychology and junior or senior standing.)

**341.** Biopsychology (3). Biological bases of behavior, including topics such as basic neuroanatomy, neural transmission, sensory transduction, genetics, emotion, sleep, learning, language, and psychological disorders. (Prerequisite: Psychology 100.) Fall '08.

**348.** Industrial/Organizational Psychology (3). The application of psychological theories and research to problems associated with the world of work. Topics typically include research methodology, motivation, job satisfaction, personnel selection and placement, and leadership. Also offered as Business 348. (Prerequisite: Psychology 100.)

### *Special and Advanced Courses*

**199.** Exploratory Internship (1-3). Open to junior or senior psychology majors.

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12). Open to junior or senior psychology majors.

**440.** Current Research in Psychology: MPA (1-2). Exposure to current experimental research in psychology. Students attend presentations at the Midwestern Psychological Association annual meeting which usually takes place in Chicago in early May. Reading from current journals is also required. Students enrolling for 2 semester hours are required to do an additional integrative project. (Prerequisite: completion of 14 semester hours in psychology, including Psychology 265.)

**445.** Senior Research (3). The culminating experience for students majoring in psychology. Under the supervision of a faculty member, each student selects a research topic of interest. Published literature on the topic is reviewed and a formal research proposal is prepared. The student conducts the research and presents the findings publicly. (Prerequisite: Psychology 265. Open to senior psychology majors.) Fall.

**451.** Independent Study (1-3). Supervised reading or research in an area of special interest to the student; the project may be theoretical or experimental. (Prerequisites: Psychology 100 and permission of instructor.)

**499.** Advanced Experimental Course (1-3).

## **Sociology, Social Work, and Criminal Justice**

Courses in this department are intended to prepare liberal arts students for meaningful roles in our pluralistic society. A major in the department of Sociology, Social Work and Criminal Justice also prepares students for (a) graduate school with the goal of becoming a sociologist, criminologist or social work professional; (b) a wide range of positions in social and human service agencies; (c) employment in the criminal justice system and related agencies; or (d) teaching in the secondary schools.

The department of Sociology, Social Work and Criminal Justice offers the Bachelor of Arts degree with majors in sociology and criminal justice. It also offers the Bachelor of Social Work degree. Minors are also available in the areas of sociology, criminal justice, and social work.

### ***Major Program Requirements***

#### **Sociology**

##### **Bachelor of Arts in Sociology**

(34 hours)

#### **Sociology Core (18 hours)**

- SOC 102 Sociology and Social Problems (4)
- SOC 208 Cultural Anthropology and Ethnography (4)
- SOC 305 Social Research Methods (4)
- SOC 402 Sociological Theory (4)
- SOC 407 Senior Research (2)

#### **Sociology Electives (16 hours)**

- 8 hours from 202, 303, 311
- 4 hours from 200, 268, 309, 333
- 4 hours from 219, 307, 323, 399

#### **Social Work**

Social Work is a helping profession offering services to all people who need assistance in their lives because of social, emotional, financial or other life problems. The purpose of Social Work is the restoration and enhancement of social functioning through intervention with individuals, families, groups, larger social systems and social welfare policies and programs. Social Workers work with individuals, families, and groups, but also recognize that the ability to accomplish life tasks and solve problems depends on having resources available.

The Social Work curriculum builds upon a foundation of liberal arts education. It draws especially upon biological, psy-

chological, and sociological knowledge while developing the unique social work knowledge and skills needed for helping people manage problem situations.

Accreditation Candidacy status was granted by the Council on Social Work Education, February 2007. Full Program Accreditation is expected to be achieved by 2010. Students in the Adrian College Social Work Program while the program is in candidacy status are considered to be part of an accredited program for licensing and graduate school qualifications.

In addition to their classroom experiences, social work students engage in a wide variety of activities working with various client populations in their field placements:

- work with the elderly
- work with troubled children, youth, adults, & families
- work with people encountering difficult life transitions
- social research in the community
- work with the developmentally and physically challenged
- work with juvenile delinquents
- work with at-risk school children
- work with community organizations
- work with community agencies in program planning and implementation

All Social Work Majors must formally apply to the Social Work Program by the end of their sophomore year. To be eligible for admission,

1. Applicants must have completed or be enrolled currently in Psychology 100, Sociology 102, Political Science 101 or 102, Biology 101, and Sociology 200 (Foundations of Social Work).
2. Applicants must have a minimum GPA of 2.5.
3. Applicants need two recommendations from Adrian College faculty.
4. Applicants must submit a written personal statement, which includes information about their commitment to social work as a vocation and describes volunteer service in the field.

A student who does not fully meet one or more of the admission criteria may be admitted to the Social Work Program conditionally, provided the student, after an interview with the Program Director of Social Work, agrees in writing to remove the deficiency by the time she/he makes application for admission to the practicum.

#### **Bachelor of Social Work**

(38 classroom credit hours, 10 practicum credit hours, 11 hours of cognates)

#### **Social Work Core (44 hours)**

- SOC 102 Sociology and Social Problems (4)
- SOC 200 Foundations of Social Work (4)
- SOC 305 Social Research Methods (4)
- SOC 330 Human Behavior in the Social Environment (4)
- SOC 333 Social Welfare Policy (4)
- SOC 336 Generalist Social Work Practice Methods I (4)
- SOC 337 Generalist Social Work Practice Methods II (4)
- SOC 404 Modern Social Work Theory (4)
- SOC 405 Senior Social Work Capstone (2)
- SOC 495 Social Work Practicum I (5)
- SOC 496 Social Work Practicum II (5)

### **Social Work Cognates (11 hours)**

- PSYC 100 General Psychology (3)
- PSCI 101 American National Government (4)  
or PSCI 102 State and Local Government
- BIOL 101 Biology and Society (4)

### **B.S.W. Social Work Electives (4 hours)**

1 of the following: SOC 202, SOC 303, SOC 311

Other suggested B.S.W. Sociology electives: 219, 268, 309, 323, 331, 368.

Additional suggested B.S.W. electives in other departments: PSYC 205, T ED 206, PSYC 303, PSYC 304, MATH 204, PSYC 211, ECON 202. Proficiency in Spanish or American Sign Language strongly recommended.

Students in all departmental majors are strongly encouraged to take Mathematics 204 or Psychology 211.

A grade of C or better in Sociology 102 is required for a student to major in the department.

### **Criminal Justice**

Criminal Justice, as a set of work roles and professions, increasingly requires a broad, well-rounded liberal arts education, a deeper maturity in the discipline, and as much exposure to pre-professional experiences as possible. The purpose of the Criminal Justice major is to accomplish this.

For those considering entering either the adult or juvenile correctional roles, the criminal justice program offers relevant liberal arts courses in criminal justice as a discipline in the CORE and a preparatory pre-professional TRACK in Treatment and Corrections.

Students considering this track may choose to enter crime prevention with work with youth in after-school programs such as a Boys & Girls Club, in mentoring referred youth, such as Big Brothers & Big Sisters, or working through the local courts as a juvenile probation officer, youth residential counselor, professional therapist at a county treatment and detention facility, or not-for-profit juvenile treatment agency, or work in transition to community aftercare services. Other students may consider entering jobs in adult criminal justice system treatment and corrections roles in community corrections, probation, prison correctional roles, and parole or reentry aftercare services.

Some students may choose to enter local police, sheriff deputy, state police, or federal law enforcement agency roles. For those considering these roles in public safety or law enforcement the criminal justice program offers relevant liberal arts courses in the CORE and a preparatory pre-professional TRACK Police, Investigation & Forensics.

For students considering going to law school – and all the roles in politics, public defender, defense, prosecution, judgeship, private or public practice, administrative law, not-for-profits that law school preparation opens up - the criminal justice program offers relevant liberal arts courses in the CORE and a preparatory PRE-PROFESSIONAL TRACK “Law, Legal Research & Courts.”

The CORE and TRACKS also provide preparation to go to graduate school to accomplish a professional post-baccalaure-

ate degree. Liberal arts courses in the criminal justice disciplinary CORE, including “introduction to sociology & social problems,” “social deviance” (as a sophomore-level writing intensive course), “social research methods,” “sociological theory,” and the capstone “senior research” course, provide readiness for graduate school. These courses offer pre-professional training for success in Master’s-level and Doctoral programs in criminal justice professional fields and in preparation for higher education teaching and research roles.

### Bachelor of Arts in Criminal Justice

(42 hours)

#### Criminal Justice Core

- SOC 102 Intro to Sociology & Social Problems (4)
- SOC 221 Introduction to Criminal Justice (4)
- SOC 219 Social Deviance (WIC) (4)
- SOC 266 Delinquency & Juvenile Justice (2)
- SOC 360 Criminology & Prevention (4)
- SOC 305 Social Research Methods (4)
- SOC 365 Criminal Justice Occupations & Org. (4)
- SOC 362 American Courts (2)
- SOC 399 Professional Internships (2-12) (2)
- SOC 402 Social Theory (4)
- SOC 407 Senior Research (2)

Sub-total: (36)

CHOOSE AN ELECTIVE TRACK (6)

TOTAL: 42

**1) LAW, LEGAL RESEARCH & COURTS:** The “Law, Legal Research & Courts” track already includes SOC362 “American Courts” (2 credits), and requires 4-8 additional credits from the following:

- a. SOC 366 Law School, Criminal Law & Evidence (4)
- b. SOC 265 Legal Research & Case Analysis (2)
- c. SOC 351 (Selected Topics) Civil Law & Civil Procedure (2-4 credits, when offered)

#### **Recommended electives:**

- PSCI 102 State & Local Government (4)
- PSCI 340 Constitutional Law (4)
- PHIL 331 Philosophy of Law (3)
- ACCT 305 Business Law I (3) (junior standing)
- ACCT 306 Business Law II (3) (junior standing)
- HIST 105 U.S. History to 1876 (4)
- HIST 106 U.S. History after 1865 (4)

**2) TREATMENT & CORRECTIONS:** The “Treatment & Corrections” track already includes SOC 266 “Delinquency & Juvenile Justice” (2 credits) and SOC 360 “Criminology & Prevention” (4 credits), and requires 4-8 credits from the following:

- a. SOC 363: Treatment & Corrections (4)
- b. SOC 364: Drugs in U.S. Society (4)
- c. SOC 351: Selected Topics: Juvenile Treatment (2-4 credits, when offered)
- d. SOC 351: Selected Topics: Domestic Violence &

- Batterers Treatment (2-4 credits, when offered)  
e. SOC 351: Selected Topics: Child Abuse & Neglect (2-4 credits, when offered)

**Cognates:**

- PSYC 100 Introduction to Psychology (3)  
PSYC 303 Abnormal Psychology (4)

**Recommended electives:**

- PSYC 304 Therapy & Principles of Psychotherapy (3)  
SOC 364 Drugs in U.S. Society (4)

**3)POLICE, INVESTIGATION & FORENSICS:** The "Police, Investigation & Forensics" track already includes SOC 365 "Criminal Justice Occupations & Organizations" (4 credits), and requires 4-8 additional credits from:

- a. SOC 361: Police in Urban Society (4)  
b. SOC 267: Criminal Investigation & Forensics (2)

**Recommended electives:**

- PSCI 102 State and Local Government (4)  
PSCI 340 Constitutional Law (4)  
PSYC 300 Topics: Forensic Psychology (when taught)  
SOC 351 Selected Topics: Criminal Prosecution, Defense & Expert Witness (when taught, 2-4 credits)

Students may choose any combination of courses from within the offerings in the tracks (or related Special Topics), or take one track and additional courses in other tracks. There is a discipline cap of 46 credits for criminal justice courses that can be accepted for the 124 credit graduation requirement.

**Recommended Courses in other Disciplines:**

- SOC 202 Sociology of Sex and Gender (4)  
SOC 303 Race & Ethnicity (4)  
SOC 311 Class, Status and Power (4)  
SOC 309 Urban Sociology (4)  
SOC 200 Foundations of Social Work (4)  
SOC 330 Human Behavior in the Social Environment (4)  
PSYC 100 General Psychology (3)  
PSYC 202 Abnormal Psychology (4)  
PSCI 102 State and Local Government (4)  
PSCI 340 Constitutional Law (4)

Bachelor of Arts with Teacher Certification in Sociology

See the Teacher Education section of the catalog.

**Minor and Associate Program Requirements**

Minors: Students pursuing a minor in sociology will complete a minimum of 24 semester hours in the department, including 102, 208, 305, 402 and a minimum of 8 hours of electives from the following: 202, 219, 268, 303, 307, 309, 311, or 350.

Students pursuing a minor in criminal justice will complete a minimum of 24 semester hours, including Sociology 102, 221, 360, 305, 363 and a minimum of one of the following: Sociology 219, 361, 362, 364 or 365.

Student pursuing a minor in social work will complete a minimum of 22-24 semester hours, including Sociology 102, 200,

330, 333; and a minimum of one of the following: Sociology 202, 303, 311; and a minimum of one of the following: Sociology 336, 337, 399 (at least two credit hours).

**Associate of Arts Degrees**

The Associate of Arts degree is available in sociology and criminal justice. Students pursuing an Associate of Arts degree in this department will complete the same requirements as indicated above for the minors in these areas of study.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

**Sociology**

**102.** Sociology and Social Problems (SOCIAL SCIENCE) (4). The patterns of relationships among individuals, groups, organizations and social institutions in society. Students are introduced to different sociological perspectives and methodologies used in understanding social life. The nature, causes and attempted solutions to various American social problems are examined; these may include deviance, poverty, family violence, various forms of discrimination, health issues and environmental hazards. Fall, spring.

**202.** Sociology of Sex and Gender (4). A sociological analysis of gender construction and sexual inequality, including an introduction to general historical knowledge about men's and women's lives, social forces affecting reproduction, sexuality, intimacy, parenthood and gender role patterns. Fall '08.

**208.** Cultural Anthropology and Ethnography (SOCIAL SCIENCE, NON-WESTERN) (4). Topics include the concept of culture from the anthropological perspective; an examination of cultural responses to various social and environmental conditions; and an introduction to basic ethnographic and anthropological concepts and theories. A particular ethnic group is studied in addition to the general textual material. Spring.

**219.** Social Deviance (SOCIAL SCIENCE) (4). Examines social definitions of deviant behavior, social control, labeling, stigma, and official records. Topics include prohibition era, drugs, child abuse, white collar crime, juvenile and adult criminal subcultures, and restorative justice. (Prerequisite: Sociology 200 or 221 and English 101 when taught as a writing intensive course). Spring.

**230.** Introduction to Art Therapy (3). See ART 230.

**303.** Race and Ethnic Relations (4). A sociological analysis of the concepts of race and ethnicity both in the United States and around the world. Special emphasis placed on relationships between ethnic groups and solutions to problems associated with race and ethnicity. (Prerequisite: Junior standing or above or permission of instructor.) Fall.

**305.** Social Research Methods (4). The logic and skills in-

involved in doing social research, including examination of the assumptions, procedures and problems associated with historical/ documentary, field work, survey and experimental research; and use of the computer in social research, including statistical packages. (Prerequisite: Junior standing or above.) Spring.

**307. Marriage and the Family (4).** Topics include the development of marriage and the family in their various forms up to the present; consideration of contemporary marriage patterns and relationships; family disorganization and reorganization; and the effects of social change on marriage and the family. (Prerequisite: Sociology 102 or 200 or permission of instructor).

**309. Urban Sociology (4).** Topics include types of communities; factors influencing urban growth and development in world regions and in the U.S.; demographic trends and ecological factors; urban planning and redevelopment; community agencies and services; social problems associated with urban life; and forms of interaction emanating from urban structures. (Prerequisite: Sociology 102 or 200 or permission of instructor.) Fall '09.

**311. Class, Status and Power (4).** Who gets what and why? An examination of social class, the social conditions which lead to class formation, class-related behavior, social class through the life cycle and the historical basis of stratification, particularly in the United States. (Prerequisite: Sociology 102 or 200 or permission of instructor.) Fall.

**345. Global Economy Impact on Work and Organizations (4).** Examines the variety of work, complex organizations and changing labor markets. Explores power and control in the workplace and economy, global economic integration, and investor capital. How does the global economy impact today's college students? (Prerequisite: SOC 102). Spring.

**350. Selected Topics in Sociology (2-4).** Examination of a particular topic of current interest to faculty and students. Topics which may be considered include: applied sociology, conflict management, crime and gender, crime prevention, sexual deviance, terrorism violence, the sociology of culture, of film, of the media. May be repeated with a different topic. (Prerequisite: One social science course.) Offered occasionally.

**404. Modern Social Work Theory (4)** Major theoretical systems used in current social work practice at the micro, mezzo, and macro levels. Application to special populations will be included. (Prerequisite: SOC 336, 337, senior social work major)

**405. Senior Social Work Capstone (2).** Culminating course in social work that synthesizes theory, research, policy and practice methods. Students produce documents that combines research and analysis applied to practice in the field. Understanding of social work concepts and readiness/competency to begin the professional social work practice must be demonstrated. (Prerequisite: Senior Social Work major, Co-requisites: Sociology 495 or 496). Spring.

**407. Senior Research (2).** A critical, in-depth study of selected topics from the various fields of sociology, criminal justice and human services. Each participant will write and present a formal research paper. (Prerequisite: senior status, Sociology 305 or permission of instructor.) Spring.

### Social Work

**200. Foundations of Social Work (4).** The development, skills, knowledge, and perspectives of the Social Work profession. Students will be introduced to concepts fundamental to understanding the helping professions' efforts on behalf of vulnerable populations. Includes history, practice settings, professional roles, agencies, political implications, and values/ethics related to social work careers. Includes a required service learning project. (Prerequisite: SOC 102).

**323. Medicine and Mental Health (4).** An examination of the ways social factors influence the diagnosis and treatment of physical and mental illness. Special attention will be given to the social conceptions of illness and health and the differential distribution of health care and mental health services. (Prerequisite: junior standing or above.)

**330. Human Behavior in the Social Environment (4).** Study of the person in her/his environment using models of human behavior focusing on the interaction between persons and the social systems they encounter throughout maturation. Knowledge about persons as biological, psychological, social, cultural, and spiritual creatures is integrated as the "person" is followed through the life cycle. Special attention will be given to the interactions and systems as they relate to and affect Social Work practice with a variety of populations, including those experiencing ethnic, racial, and age-based discrimination. (Prerequisites: SOC 200, PSYC 100, BIOL 101).

**331. Selected Topics in Social Work (2-4).** Topics not included in the regular course offerings. Topic and prerequisite specified in semester course schedule. May be repeated with different topics.

**333. Social Welfare Policy (4).** The development and implementation of social welfare policies from historical, political, and philosophical frameworks. How does a society decide: who should be served, when, how much, and in what fashion? How does this reflect the society's perspectives about "others" in their world who may be poor or otherwise disadvantaged? What actions are chosen and why?

**336. Generalist Social Work Practice Methods I (Individuals & Families) (4).** Theoretical foundations of generalist social work practice with individuals and families. Focus on case-management skills; assessment, goal-setting, intervention, termination, and practice evaluation in a systemic, Person-in-Environment context. Special attention to work with diverse and vulnerable populations. (Prerequisites: SOC 200, 330 and admission to the Social Work program) Fall.

**337. Generalist Social Work Practice Methods II (Groups, Communities, & Organizations) (4).** Theoretical founda-

tions of generalist social work practice with groups, communities, and organizations. Groups dynamics concepts used to apply problem-solving methods for treatment and task groups. Community organization emphasized as a viable practice method. Close relationship between community and organizations explored through concepts of empowerment, control, mobilization, collective action and problem-solving. (Prerequisites: SOC 200, 330 and admission to the Social Work program) Spring.

**405.** Senior Social Work Capstone (2). Culminating course in social work that synthesizes theory, research, policy and practice methods. Students produce documents that combines research and analysis applied to practice in the field. Understanding of social work concepts and readiness/competency to begin the professional social work practice must be demonstrated. (Prerequisite: Senior Social Work major, Co-requisites: SOC 496).

**495.** Social Work Practicum I (5). With 496, two consecutive semesters of supervised practicum consisting of a minimum of 400 hours in an approved social work setting. Requires weekly seminars on campus. Social Work majors only. (Prerequisites: SOC 336, 337, academic good standing in Social Work, and consent of academic advisor and Program Director).

**496.** Social Work Practicum II (5). Continuation of 495. (Prerequisite: SOC 495).

### **Criminal Justice**

**221.** Introduction to Criminal Justice (4). A sociological approach to prevention as justice, followed by an introduction to topics such as the U.S. legislative and legal system, crime, politics, and the media, police, courts, probation, corrections, parole and prisoner reentry. Criminal justice occupations. Fall.

**265.** Legal Research and Case Analysis (2). Pre-professional skills training in legal research, case analysis, and preparing both criminal and civil legal briefs for both professional practice and lay-person access to the law, in brief preparation for court. Fall.

**266.** Delinquency and Juvenile Justice (2). Research on child development, family, school, neighborhoods, peers, and drug abuse as relates to criminology of youth crime. Introduction to the juvenile justice system, including teen court, juvenile probation, juvenile detention, residential treatment and aftercare for adjudicated youth. (Prerequisites: SOC 221 or permission of instructor.) Fall.

**267.** Criminal Investigation and Forensics (2). Introduces aspects of police work involving investigative techniques, protecting and reconstructing the crime scene and use of natural and social sciences in gathering and analyzing evidence, and in preparing presentation for court. (Prerequisites: SOC 221 or permission of instructor.) Spring.

**351.** Selected Topics in Criminal Justice (2-4). Topics of in-

terest to faculty and students, may include civil law & civil procedure; juvenile treatment; domestic violence & batters treatment; child abuse & neglect; and criminal prosecution, defense and expert witness.

**360.** Criminology and Prevention (4). Introduction to major criminological theories and research, including fieldwork insights from criminals, prisoner stories, and ex-con academic criminologists. Application of criminological theory to design of crime prevention programs. (Prerequisites: SOC 221 or permission of instructor.) Fall.

**361.** The Police in Urban Society (4). Issues in urban policing, including the history, organization, roles and styles of policing, the police subculture, patrol and investigative duties, community relations, discretion, corruption and accountability. (Prerequisite: Sociology 221 or permission of instructor.) Fall.

**362.** The American Courts (2). Structures and procedures within state and federal trial and appellate courts, including the Supreme Court. Attention is given to the role of participants, relevant substantive and procedural law, implications of court decisions, discretionary powers, strengths and weaknesses of each system and current efforts at reform. (Prerequisite: Sociology 221 or permission of instructor.) Spring.

**363.** Treatment and Corrections (4). Introduces treatment and therapy modalities used in residential treatment for adjudicated youth, and in adult corrections. Exposure to U.S. prison system use of mass incarceration, roles of probation and parole, and reentry issues. (Prerequisites: SOC 221 or permission of instructor.) Fall.

**364.** Drugs in American Society (4). The history of drug use in the U.S.; types of drugs and their effects; medical and health perspectives; social control and legal aspects of drug use; the "legalization" debate; the social consequences of drug use; the period of the "war on drugs" and its effectiveness. Drug policy in the criminal justice system. (Prerequisite: Sociology 102.) Offered occasionally.

**365.** Criminal Justice Occupations and Organizations (4). Advanced criminal justice course exploring organizational theory and management practice utilizing case method approach. Examines police, courts, probation, prison, parole agencies; individual and group processes; and management issues specific to criminal justice agencies including leadership, goals, environment, communication, motivation, job design, occupational socialization, power, conflict, decision-making, effectiveness, innovation and research. (Prerequisite: Sociology 221.) Fall.

**366.** Law School, Criminal Law and Evidence (4). Introduce first year law school, American Court system, with focus on criminal law. Defense attorney's role, burdens of proof, forms of evidence, criminal evidence and legal reasoning. Introductory research skills for briefing a case. Fall.

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3). An observational internship providing opportunities to gain relevant career experiences and information in the fields of sociology and criminal justice. Open to second-semester freshmen and above.

**299.** Experimental Course (1-4).

**399.** Professional Internship (1-12). Students have the opportunity to participate in field projects or work with professional staff members in organizations such as police and sheriff's departments, courts, probation departments, juvenile centers, correction facilities, prevention agencies, community organizations and human service organizations. Open to juniors and seniors.

**451.** Independent Study (1-4). Supervised reading and research in sociology, criminal justice, social work, or anthropology. (Prerequisite: department chairperson's permission.)

**499.** Advanced Experimental Course (1-4).

## **Teacher Education**

Empowering competent, caring, creative, committed educators

Adrian College's teacher certification programs are in compliance with all standards and requirements established by the Michigan State Department of Education. Completing the programs described in this section leads to teacher certification from the State of Michigan, which is transferable to most other states, although some additional requirements may be required. Information regarding certification in other states and Canada is available from the college's Teacher Certification Officer. Details regarding program requirements are published in the Teacher Education Department's Guide to Teacher Certification.

To be eligible for certification, candidates are responsible for meeting all Michigan requirements, whether or not they are explicitly stated in this catalog or the Guide to Teacher Certification. Although every effort is made to keep information current, requirements and options listed in this catalog may need to be changed in response to Michigan Department of Education actions. When such changes occur, efforts will be made to provide as smooth a transition to the new requirements as possible.

### ***Teacher certification options:***

#### **Elementary certification**

Certificate holders are eligible to teach all subjects K-5, and all subjects in grades 6-8 if in a self-contained classroom.

**Program components:** In addition to the Elementary Professional Education Sequence and the Elementary Education Planned Program minor, select either one approved major or two minors. Candidates must pass the MTTC Elementary Education test. Those who also pass the MTTC test in their major/minor areas are eligible for endorsements to teach those subjects in middle schools (grades 6-8). Candidates selecting the physical education, Spanish, French or German major can become eligible for a K-12 endorsement in that area.

Early Childhood endorsement. Those intending to teach grades K-3 may find it valuable to add the 20-credit Early Childhood Education (ZA) endorsement by completing the Early Childhood Education Planned Program Minor and passing the MTTC Early Childhood Education test. This minor must be taken in addition to the approved major or two minors described above.

### **Secondary certification**

Those completing program requirements and passing the appropriate MTTC test are 'highly qualified' to teach grades 6-12 in their major subject area and, if they pass the additional MTTC test, in their minor subject area.

**Program components:** In addition to the Secondary Professional Education Sequence, select either (1) an approved major and minor or (2) a single comprehensive group major (integrated science). Candidates must pass the MTTC test in their major area. Candidates selecting the physical education, Spanish, French or German major can become eligible for a K-12 endorsement in that area.

### **K-12 certification in art or music.**

Certificate holders are eligible to teach either music or visual art education at all grades levels, K-12.

**Program components:** In addition to the Secondary Professional Education Sequence, select the music or the visual arts comprehensive group major. It is not necessary to select an additional minor. Candidates must pass the MTTC test in their major area.

### ***Program completion***

Students who successfully complete the approved teacher education course of study and who pass all required Michigan Tests for Teacher Certification will be considered to be "program completers". Passing MTTC scores are not required for graduation but are required for recommendation to the State of Michigan or other states for teacher certification.

### ***Admission to Level 2 (Candidacy for teacher education)***

All TED courses in the Professional Education Sequences (the "methods" courses) require admission into "Level 2" of the teacher education program. Applications for Level 2 are typically submitted while enrolled in TED205. The application process is described in the Guide to Teacher Certification.

### **Criteria for admission to Level 2**

- (1) Passing scores on the MTTC "Basic Skills" tests. (Must be completed before enrolling in TED205.)
- (2) Completion of TED204 and TED205 and co-requisite field experiences.
- (3) Minimum 2.7 GPA for all TED courses with no grade lower than C-.
- (4) Minimum 2.7 cumulative GPA.
- (5) Declaration of major/minors and certification level.
- (6) Minimum 2.5 GPA in each major and minor, with no grade lower than a C-.
- (7) Successful completion of and positive evaluations from required field placements.

- (8) Positive recommendations from faculty.
- (9) Evidence of strong writing and public speaking skills. (If ENGL101 or COMM102 grades are below B-, a plan for strengthening or documenting those abilities will be developed)
- (10) Attendance at TE Dept orientation session (8:00 PM the first Monday of October and February).

**Criteria for continuance in Level 2 and for Program Completion/Certification**

The TE Department periodically checks transcripts and field evaluations to ensure continued eligibility for Level 2 courses. Failure to maintain the criteria listed in # 3, 4, 6 or 7 (above) may lead to removal from Level 2 or ineligibility for additional TED courses until deficiencies are corrected.

In addition to criteria #3, 4, 6 and 7, eligibility for program completion and certification includes passing scores on all required MTTC subject area tests (described above), successful completion of the Associate Teaching experience, and current First Aid/CPR certification.

All requirements for program completion must be completed within two years (24 months) of withdrawal from the college. Following that deadline, a candidate desiring to return and complete certification requirements will be required to meet any new or changed program requirements. The State of Michigan stipulates a five-year window for submitting a program completer's recommendation for certification. Following that deadline, Adrian College requires evidence of an additional ten credits of coursework related to the certification area. Ten or more years after program completion, a minimum of eighteen additional credits and evidence of 50 hours of appropriate clinical experiences are required.

**Criminal background checks and self-reporting of misdemeanors/felonies**

The Michigan Department of Education has the right to deny, suspend or withdraw teaching certificates in response to an individual's record of misdemeanors or felonies. To ensure that candidates are adequately counseled regarding possible results of such convictions, they are asked to sign a "Rule 101.1 Statement" a number of times throughout the program. Fraud or misrepresentation in this process may result in removal from the Teacher Education program.

In addition, candidates participating in field placements are required to first complete an online criminal record background check. At a minimum, this must be completed twice during the program - first when initial field placements are made for TED204 or 205 and again when beginning the Associate Teaching experience. The TE Dept reserves the right to require additional submissions.

TED204 & 200/201 Ed Psych & Classroom Exp (offered fall & spr)	3+1
- Open to second semester freshmen	
TED205 & 203 Tchg Exceptional Sts & Classroom Exp (fall/spr)	3+1
- Prereq: passing scores on MTTC Basic Skills tests	
Apply for admission to Level 2 while completing TED205	

**Level Two Credits**

Must be admitted to Level 2 before enrolling in these courses	
TED340 & 300 Tchg/Lrng Proc Elem & Clinical Exp (fall/spr)	3+1
- Must be taken as your first Level 2 course	
TED365 Teaching of Reading 1 (fall)	3
TED366 Teaching of Reading 2 (spr)	3
TED350 Instructional Technology (fall/spr)	2
TED367 Math Methods (spr)	2
TED369 Science Methods (spr)	2
TED370 Social Studies Methods (fall)	
K12 PE & world language majors add specialized methods course	2(2)
TED471 Social Foundations (fall/spr)	3
Apply for Associate Tchg in Feb of the year before student teaching	

**Professional Semester (fall or spr)**

TED400 Associate Teaching	10-12
TED444 Associate Tchg Seminar	1

**Secondary Professional Education Sequence**

**Level One Credits**

TED204 & 201/202 Ed Psych & Classroom Exp (offered fall & spr)	3+1
- Open to second semester freshmen	
- Art ed candidates select ART200 rather than TED201 or 202	
TED205 & 203 Tchg Exceptional Sts & Classroom Exp (fall/spr)	3+1
- Prereq: passing scores on MTTC Basic Skills tests	
Social sciences cognate - select one of the following:	
- HIST 105, HIST 106, PSCI 101, PSCI 236, PSCI 250	4
Apply for admission to Level 2 while completing TED205	

**Level Two Credits**

Must be admitted to Level 2 before enrolling in these courses	
TED330 & 300 Tchg/Lrng proc sec & Clin Exp (fall/spr)	3+1
- Art end candidates select ART330 rather than TED300	
- Must be taken as your first Level 2 course	
TED346 Literacy in Content Areas (fall/spr)	3
TED350 Instructional Technology (fall/spr)	2
TED3___ & 300 Methods course & Clin Exp	2+1 (2)
in major (spr)	
- Art & music ed methods courses are included in the major	
- K12 world language majors complete elem	

**Elementary Professional Education Sequence**

<b>Level One</b>	<b>Credits</b>
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and sec methods  
 TED3\_\_\_ & 300 Methods & Clin Exp in minor (2+1)  
 (if applicable) (spr)  
 TED471 Social Foundations (fall/spr) 3  
 Apply for Assoc Tchg in Feb of the year before you plan to student teach

**Professional Semester (fall or spring)**

TED400 Associate Teaching 10-12  
 TED444 Associate Tchg Seminar 1

**Course Offerings**

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree and certification programs.

**Required Courses for All Programs**

**204.** Educational Psychology (3). The application of psychological principles in education, focusing on the teacher as a professional educator and as an individual. Topics include the components of effective classroom teaching and pre-adolescent and adolescent growth and development. Co-requisite: TED200, 201 or 202, based on certification level desired. (Visual Arts majors select ART 200 as co-requisite.) Fall, spring. (SOCIAL SCIENCE distribution credit).

**205.** Education of Exceptional Students (3). An overview of characteristics, needs and current practices in the education of the gifted, mentally challenged, emotionally impaired, physically handicapped and those with cultural differences. The course will cover preschool, pre-adolescent and the adolescent exceptional student. Prerequisite: TED204 and passing scores on MTTC Basic Skills tests. Co-requisite: TED203. Fall, spring.

**350.** Instructional Technology (2). The integration of instructional technology into elementary, middle, and secondary programs, including the use of software and hardware and the appropriate application of available materials to specific classroom settings. In addition, students will demonstrate competencies in the use of computer technology tools. Prerequisite or corequisite: TED330 or 340. Fall, Spring.

**471.** Social Foundations of Education (3). An examination of the sociological, economic, historical, philosophical and curricular foundations of education. While the historical approach is a vital component of such an interdisciplinary study, emphasis is on the status of education here and now in the United States. The course concentrates on current social issues and problems, stressing their relation to and implications for education. (Prerequisites: Level 2 admission and senior status or consent of instructor.) Fall, spring.

**Required field-based experiences**

Candidates are required to complete 200 hours of field/clinical experiences in school settings, appropriate to their certification areas and levels, before Associate Teaching. Most these hours will be completed as co-requisite experiences for TED courses (while enrolled in the various sections of TED 200

and TED 300 listed below). A log sheet for documenting hours (including cooperating teachers' signatures) is provided in the Guide to Teacher Certification.

**200.** Classroom Experience - Elementary (1). Co-requisite: TED204. Fall, spring.

**201.** Classroom Experience - Middle School (1). Co-requisite: TED204. Fall, spring.

**202.** Classroom Experience - High School (1). Co-requisite: TED204. Fall, spring.

TED200/201/202 provide opportunity to gain observational and practical experience in the classroom setting. Thirty field hours are required for each semester hour academic credit. Students are placed in the field in accordance with their major/minor(s). Select the appropriate level as a co-requisite to TED204.

**203.** Classroom Experience - Special Education (1). Co-requisite: TED205. Students will receive field placements in classroom settings with students who are defined as exceptional with an approved IEP. May be repeated.

**211.** Classroom Experience - Early Childhood (1). Co-requisite: TED206. A specialized section of TED200 for the Early Childhood Education minor. This field-based course is designed for teacher candidates in early childhood to observe young children and gain practical experience in early-childhood settings. Thirty field hours are required.

**300.** Clinical Experience (1). Laboratory study of the structure of learning in schools. Special attention is paid to the nature of learning in specific areas of academic study, such as in actual pupil-teacher experience. This course is a co-requisite to TED330, 340, and most secondary education methods courses. Elementary candidates should register for 1 credit of TED300 each semester in which they are enrolled in a methods course. Thirty contact hours are required for each semester hour of academic credit. May be repeated.

**303.** Clinical Experience - Speech/Communication (1). Corequisite: TED349. A specialized section of TED300 for the Speech/ Communication Arts & Sciences minor. Laboratory study of the structure of learning in middle and high school communication arts programs. Focuses on the secondary classroom and co-curricular speech/drama activities. Thirty hours in a secondary school setting are required. Spring.

**311.** Clinical Experience - Early Childhood (1). Co-requisite: TED364. A specialized section of TED300 for the Early Childhood Education minor. Laboratory study of the structure of learning in early childhood settings. Special attention is paid to the nature of developmentally-appropriate practice and learning. Thirty contact hours are required.

**Elementary/Middle School Methods Courses (require Level 2 admission)**

**337.** Teaching Physical Education in the Elementary, Middle and Secondary School (2). Required methods course for el-

ementary, secondary, or K12 PE certification. Prerequisite: TED330 or 340. Co-requisite: TED300. Spring.

**340. Teaching/Learning Processes: Elementary (3).** Teaching-learning processes in elementary and middle schools, with emphasis on such competencies as formulating purposes of the school; developing a philosophy of classroom management; identifying learning styles; developing course, unit and lesson plans; addressing curriculum standards; setting learning objectives; and developing assessment instruments. This course serves as a prerequisite for all other elementary education methods classes. Prerequisite: Level 2 admission. Co-requisite: TED300. Fall, Spring.

**365. Teaching of Reading I and Clinical Experience (3).** An introduction to literacy education. Topics include research-based exploration of the nature of the reading process and related classroom practice; emergent and early literacy; developing word identification skills, including phonics; and building vocabulary. Comprehension is emphasized throughout the course. Peer teaching or elementary classroom teaching is also included. Pre- or co-requisite: TED340. Fall.

**366. Teaching of Reading II and Clinical Experience (3).** Topics include the application of reading instruction to content areas; the organization and management of classroom reading programs; the development and/or selection of specific objectives for reading instruction; a survey of factors which contribute to difficulties in literacy education, techniques for evaluating student progress, and programs and procedures for strengthening literacy learning; and communication of information to administrators, parents, teachers and students. Field experience is a required part of the course. Prerequisite: TED365. Spring.

**367. Teaching of Mathematics and Clinical Experience (2).** The principles of teaching mathematics, including programs related to elementary and middle school grade placement. Emphasis is on the changing mathematics curriculum and how children learn. Various teaching strategies and instructional technology integration will be explored. Clinical experience will provide practical application of course work. Field experiences parallel the progress of the course. Prerequisite: TED340. Pre- or co-requisite: MATH 113. Spring.

**368. Teaching Elementary Language Arts (2).** Methods of teaching the integrated language arts, including: best instructional practices, teaching methodologies and techniques, classroom organization and management, instructional technology integration, standards-based instruction including Michigan's content expectations. Prerequisite: TED340. Spring.

**369. Teaching of Science and Clinical Experience (2).** Teaching science in elementary and middle schools. Topics include an examination of the latest curricula in relation to science education and the learner and the research and development of new ideas in implementing the science curriculum. Special emphasis is placed on exemplary science education programs and instructional technology integra-

tion. Field experiences parallel the progress of the course. Prerequisite: TED340. Fall.

**370. Teaching of Social Studies and Clinical Experience (2).** The content processes of the social science areas which are part of the elementary and middle school program, including instructional elements drawn from history, economics, political science and geography. Field experiences parallel the progress of the course. Prerequisite: TED340. Fall.

**374. Teaching Foreign Languages in Elementary Schools (2).** Methods of teaching world languages in the elementary school (FLES) classroom. Topics include: theories and research on second language acquisition in children; current methods and trends; the development of appropriate instructional and assessment techniques; the integration of foreign languages into the elementary curriculum. Required for elementary or K12 certification in a world language. Prerequisite: TED340 and permission of instructor. Offered as needed.

#### **Middle/Secondary Methods Courses (required Level 2 admission)**

Secondary education certification requires completion of the methods course in the major area. Unless a single methods course is shared by both, the minor area methods course must also be completed. Co-enrollment in TED300 Clinical Experience is required for all secondary methods courses except TED346.

**330. Teaching-Learning Processes: Secondary (3).** (Serves as a prerequisite for all other secondary methods classes.) The teaching-learning processes in the middle and secondary schools, with emphasis on such competencies as formulating purposes of the school; developing a philosophy of classroom management; identifying learning styles; developing course, unit and lesson plans; meeting curriculum standards; setting learning objectives; and developing assessment instruments. Prerequisite: Level 2 admission. Co-requisite: TED300. (Art ed candidates enroll in ART330 as the co-requisite.) Fall, Spring.

**332. Teaching Language Arts in the Middle and Secondary School (2).** Designing and selecting materials that engage students in learning the English language arts; differentiating instruction through a variety of instructional and assessment strategies; Michigan's ELA content expectations. Prerequisite: TED330. Co-requisite: TED300. Spring.

**335. Teaching Modern Languages in the Middle and Secondary School (2).** Methods of teaching modern languages with emphasis on: best instructional practices, teaching methodologies and techniques, systematic classroom organization and management, instructional technology integration, standards based education including the Michigan Curriculum content standards. Subject/grade appropriate clinical experience must be completed concurrently with the course. Required for secondary or K12 certification in world language. Prerequisite: TED330. Co-requisite: TED300. Spring.

**336.** Teaching Mathematics in the Middle and Secondary School (2). Standards based mathematics instruction including: Michigan Curriculum content expectations; differentiating instruction through various teaching and assessment methodologies; classroom organization and management; instructional technology integration,. Prerequisite: TED330. Co-requisite: TED300. Spring.

**337.** Teaching Physical Education in the Elementary, Middle and Secondary School (2). Standards based physical education; planning and delivering a variety of teaching/learning strategies to meet the needs of diverse students; classroom organization, management and safety. Required methods course for elementary, secondary, or K12 PE certification. Prerequisite: TED330 or 340. Co-requisite: TED300. Spring.

**338.** Teaching Health Education in the Middle and Secondary School (2). Standards based health instruction; assessment of student learning and needs; selecting, planning and delivering a variety of teaching/learning strategies to meet the needs of diverse students; integrating health education across the curriculum; use of technology to support student learning. Subject/grade appropriate clinical experience must be completed concurrently with the course. Prerequisite: TED330. Co-requisite: TED300. Spring.

**341.** Teaching Sciences in the Middle and Secondary School (2). Integrating the sciences using essential features of classroom inquiry, best instructional practices, teaching methodologies and techniques, systematic classroom organization, management and safety, instructional technology integration, standards-based education including Michigan's content expectations. Subject/grade appropriate clinical experience must be completed concurrently with the course. Prerequisite: TED330. Co-requisite: TED300. Spring.

**343.** Teaching Social Studies in the Middle and Secondary School (2). Curricular goals and strategies for the social sciences; differentiating instruction through a variety of teaching methodologies; classroom organization and management, integration of technology, Michigan's content expectations. Subject/grade appropriate clinical experience must be completed concurrently with the course. Prerequisite: TED330. Co-requisite: TED300. Spring.

**346.** Literacy in Content Areas (3). Topics include the application of literacy instruction to all content areas; determining the readability of instructional materials; determining the suitability of instructional materials for given students; recognizing the basic and unique literacy skills required in various content areas and evaluation of student abilities in using those skills; using various strategies for improving student literacy in the content areas. Prerequisite: TED330. Fall, Spring.

**349.** Teaching Communication Arts/Speech in the Middle and Secondary School (2). Methods of teaching speech and communication arts; teaching methods and assessment of student learning, classroom organization and management,

instructional technology, standards-based education, role and organization of co-curricular activities. Subject/grade appropriate clinical experience must be completed concurrently with the course. Prerequisite: TED330. Co-requisite: TED303. Spring.

### **Early Childhood Education Courses (do not require Level 2 admission)**

**206.** Child Development: Conception Through Early Childhood (3). An in-depth study of the physical, social, emotional and intellectual development of children, including children with special needs. Co-requisite (for those pursuing ZA endorsement): TED211. (Open to freshmen) Fall.

**320.** Creative Programs for Young Children (3). Methods of planning the curriculum for a preschool program in small and large group settings, including creative expression, language arts, music and rhythm, science, pre-number experiences and large and small motor skills. Planning for children with special needs in the regular preschool program is also included. Prerequisite: TED206. Offered as needed.

**364.** Methods and Materials for Early Childhood Education (3). The history, theories, and basic principles of developmentally appropriate instruction, along with methods and materials appropriate to early childhood education are studied. Pre-requisite: TED206. Co-requisite: TED311. Offered as needed.

**401.** Child Care Administration (3). The role of the preschool program and its director and the legal and administrative controls which affect them. Students will participate in field-based experience in a nursery school and day-care center and will simulate the responsibility for organizing and administering a child care program. Prerequisite: TED206 or permission of instructor. Offered as needed.

### **Health Education Courses (do not require Level 2 admission)**

**280.** School and Community Health (3). An overview of health-related needs, issues and debates affecting schools and communities; causes of mental, physical and emotional health risks among young people and ways to prevent those risks. Fall of even years.

**380.** Role of the Health Educator (3). The health educator's roles within the school and community, including: providing resources and leadership for school-wide health programs and instruction; creating partnerships with home, school and community resources; adult education in support of young people's health; advocacy. Professional development and self-reflection will be emphasized. Spring of odd years.

**381.** Health Curriculum Models (3). History and philosophy of health education, including a comparison of instructional models for school- and community-based programs; the impact of political/regulatory stakeholders on the development of health education policies and practices; understanding and responding to opposing viewpoints. First offered Spring 09, then Fall of odd years.

## **The Professional Semester/Associate Teaching**

**400.** Associate Teaching (1-12). Teaching in an appropriate grade or subject level of the elementary, middle or secondary schools for 10-12 semester hours (12 to 14 weeks). Individuals pursuing K12 certification in art, music, physical education or a world language must enroll for 12 credit hours and will be placed in both elementary and secondary classrooms. Prerequisite: Admission into the Professional Semester. Co-requisite: TED444. Fall, spring.

**444.** Associate Teaching Seminar (1). The course is devoted to discussion and appraisal of the candidate's teaching experiences and development of a portfolio demonstrating achievement of Michigan's Entry-Level Standards for Teachers. The course includes discussion of topics and issues including execution of effective lessons, classroom discipline, ways of providing and accepting effective feedback. Also considered are teacher associations, job interviewing, and resume building. Pre-requisite: Admission into the Professional Semester. Co-requisite: TED400. Fall, spring.

Application for the Professional Semester is due February 15 of the school year prior Associate Teaching. Admission criteria includes:

- Attendance at mandatory Assoc Tchg Information Meeting in Mid-January.
- 2.7 cumulative GPA
- 2.7 GPA in all TED courses, with no grade lower than a C-
- 2.5 GPA in all declared majors/minors, with no grade lower than a C-
- Completion of writing/speaking skills remediation plan, if required at the time of Level 2 admission
- Demonstration of appropriate writing skills, through submission of Biographical Information Form
- Positive Clinical Experience evaluations
- Appropriate progress towards completion of 200 hours of field experiences. (Completed log books are due at the start of Final Exam week of the semester before Associate Teaching. Failure to complete this requirement may lead to removal from the Professional Semester.)

Associate Teaching placements are arranged and assigned by the Director(s) of Associate Teaching. Applicants are asked to identify special requests or needs during the application process. Criteria used in selecting placements are listed in the Guide to Teacher Certification.

**Orientation Experience:** All Associate Teachers, whether fall or spring semester, must participate in a three- to four-day Orientation Experience at their assigned school in August and September. This includes participating in the school's pre-school teacher preparation activities and attending the opening day of school.

**Completion of Associate Teaching:** Associate teachers are periodically evaluated according to a list of competencies reflecting the Teacher Education Department's program outcomes. If competencies are not attained in the designated period of time, the experience may be extended, at the discretion of the

Director(s) of Associate Teaching. Candidates experiencing significant difficulties achieving expectations may be withdrawn from the placement, and the Director(s) will determine whether an alternate placement will be offered. Withdrawn students will not be refunded tuition and fees beyond the refund policies described elsewhere in this catalog. Students failing to complete Associate Teaching in the assigned semester will be required to reapply in order to be eligible for a new placement; readmission will be determined by the Director(s) of Associate Teaching and the Teacher Education Department chair. Students repeating the Associate Teaching experience, for any reason, will be required to pay full tuition and fees.

Planning additional classes or activities during the Professional Semester: Associate Teachers must enroll in TED444, and may also enroll in TED471. Plans to enroll in additional courses or participate in other college activities during the Professional Semester must be reported on the Associate Teaching Application and pre-approved by the Director(s) of Associate Teaching.

## ***Special and Advanced Courses***

**101.** Explorations in Education (2). An opportunity for students to explore the field of professional education as a possible vocation, to evaluate their own motivations, skills and abilities and personal goals in relation to the tasks of teaching and to expand their career horizons in human services. Field experiences are an important element in the course. Offered as needed.

**199.** Exploratory Internship (1-3). Offered as needed.

**207.** Middle Childhood and Adolescent Development (3). The developmental tasks, as applied to the unique problems and possibilities confronting children and adolescents in contemporary American society. Observations are required. Offered as needed.

**299.** Experimental Course (1-3).

**307.** Classroom Evaluation Testing and Counseling (3). The evaluation of goals, objectives and testing techniques; creation of teacher-made tests and interpretation of standardized tests; recording and reporting test results; the use of test results in planning; and the understanding and practice of basic counseling techniques. Prerequisite: TED204 or permission of instructor. Offered as needed.

**373.** Second Language Teaching and Learning (3). An examination of methodology, materials and curricula appropriate for use with non-English speaking pupils and pupils who have learned or are learning English as a second language. Offered as needed.

**472.** Urban Education (3). Employing the seminar approach, theoretical study is combined with first-hand observations of the inner city school. Emphasis is on probing the uniqueness of the urban school subculture and its problems, the nature of the social forces that directly impinge on its functioning and discernment of the basic similarities which characterize

schools servicing socio-geographical populations. Offered as needed.

**473.** Comparative International Education (3). Educational systems of selected nations, with analysis of various social, historical, political and economic forces in relation to their effect on the establishment of educational practices. Efforts are made to analyze common problems which significantly affect or alter the educational process in the subject societies, and to draw comparisons with education in the United States. Offered as needed.

**489.** Research in Education (2). The use of basic measurement and research techniques in analyzing and reporting findings related to a specific educational problem. A formal research proposal is required. Prerequisite: Admission to Level 2 and senior status or consent of instructor.) Offered as needed.

**403.** School Law (2). Formal and informal legal dimensions of the American system of education. Students will become knowledgeable about the legal limits of teachers in daily school operations. (Prerequisites: Level 2 admission and senior status or consent of instructor.) Offered as needed.

**499.** Advanced Experimental Course (1-3).

**399.** Internship (1-4). A full-time, intensive clinical experience. May be a paid position. (Available to Level 2 teacher candidates. A 4-credit internship is required for the Early Childhood Education Planned Program Minor.) Requires 30 clinical hours for each credit hour. Prerequisite: Level 2 admission and permission of the department chair.

**451.** Independent Study (1-4). (Prerequisite: written permission of the department chairperson.)

**490-498.** Workshop, Seminar or Colloquium in Education (1-6). The laboratory approach is emphasized in the study of administrative, classroom and supervisory problems.

### Teacher Certification Majors and Minors

Secondary-level candidates must select one of the following MDE-approved majors, plus a minor. Elementary candidates select the Elementary Education Planned Program minor plus one major or two minors. (The Early Childhood Education Planned Program minor may not be counted as one of those minors.) Comprehensive group majors (K12 music, K12 visual arts and secondary integrated science) do not require an additional minor.

Program headings are coded to indicate if the major or minor is available for elementary (E), secondary (S) and/or K-12 teaching endorsements.

With the approval of the Teacher Education Department chair, courses taken in fulfillment of a teaching major or minor requirement may also be used to meet cognate requirements in other teaching majors or minors.

### # of credits in TED

majors/minors	El major	El minor	Sec major	Sec minor	K12
Biology			42	29	
Chemistry			55		
Communication/speech				24	
Early childhood ed		20			
Earth/space science			39	23	
Economics		32*	49	32	
Elementary education		22			
English	42*	28*	42	28	
French	31	21	31	21	31
German	31	21	31	21	31
Health education				28	
History	47*	39*	47	39	
Integrated science	43		57/40		
Language arts	40				
Mathematics	36	23	36	23	
Music					63
Physical education	37	27	37	27	37
Political science		31*	43	31	
Psychology	31*	21*	31	21	
Religion, Acad study of				21	
Social studies	46	30	46		
Sociology		24*	34	24	
Spanish	31	21	31	21	31
Visual arts					64

\* Although the majors/minors marked with asterisks are technically available for elementary candidates, they are excluded in Michigan's new Elementary Standards, taking effect in 2011. We strongly discourage elementary candidates from selecting them.

### Biology

**Required methods for secondary certification: TED341/300**  
MTTC test req'd for DA endorsement: #17 (Biology)

#### Major (S) 42 Semester Hours

BIOL103, 104, 217/218, 221/223, 301, 326, 401 (22 cr)

Select one from: BIOL 130, 212, 262 (3-4 cr)

Electives in BIOL (4-5 cr)

Cognates: CHEM103, 104, MATH115 (12 cr)

#### Minor (S) 29 Semester Hours

BIOL103, 104, 217/218, 221/223, 301, 326 (21 cr)

Cognates: CHEM103, 104 (8 cr)

### Chemistry

**Required methods for secondary cert: TED341/300**

MTTC test req'd for DC endorsement: #18 (Chemistry)

#### Major (S) 55 Semester Hours

CHEM103, 104, 300, 302, 311/313, 312/314, 321/323, 322/324 (29 cr)

Elective in CHEM: 400-level course (3 cr)

Cognates:

MATH 115, 135, 205, CIS106 (15 cr)

PHYS101, 102, 103, 104 or higher-level Physics (8 cr)

### Communication Arts and Sciences (Speech certification)

**Required methods for secondary cert: TED349/303**

Note: This program is pending Mich Dept of Ed approval.

MTTC test req'd for BD endorsement: #04 (Speech)

**Minor (S) 24 Semester Hours**

COMM109, 110, 212, 218, 300 (15 cr)  
THRE106, 207, 304 (9 cr)

Early Childhood/Child Development

Note: This specialized program is designed for those interested in a general understanding of early childhood development and strategies for teaching young children. It does not lead to a teaching certificate or endorsement. See the "Early Childhood Education planned program minor" below for requirements leading to the ZA (Early Childhood) teaching endorsement.

**Minor 35 Semester Hours**

TED206, 320, 399, 401 (12 cr)  
ART105, MUS105, ENGL360, SOC206, PSYC216,  
BIOL209, ESPE201 (23 cr)

Early Childhood Education planned program minor (ZA endorsement)

This program must be taken in addition to all other elementary certification requirements.

MTTC test req'd for ZA endorsement: #82 (Early Childhood Education)

**Minor 20 Semester Hours**

TED206/211, 320, 364/311, 401 (14 cr)  
ESPE201 (2 cr)  
Internship: Register as TED399 or 451 (4 cr)

Earth/Space Science

**Required methods for secondary cert: TED341/300**

MTTC test req'd for DH endorsement: #20 (Earth/Space Science)

**Major (S) 39 Semester Hours**

ERTH101, 102, 103, 201, 204, 205, 309 (23 cr)  
Electives in EARTH (7 cr)  
Cognates: BIOL217/218 (4 cr)  
Cognate electives - Select five credits from:  
- CHEM101, 103, 104, PHYS101, 102, 205, 206,  
MATH104, 115, 135, 204, 205, CSI106

**Minor (S) 23 Semester Hours**

ERTH101, 102, 103, 201, 204, 205, 309 (23 cr)

Economics

**Required methods for secondary cert: TED343/300**

MTTC test req'd for CA endorsement: #07 (Economics)

**Major (S) 49 Semester Hours**

ECON201, 202, 320, 321 (16 cr)  
Electives in ECON (18 cr) (May include 6 cr of Business)  
Cognates: MATH204 or 314, PSCI101, HIST105 or 106,  
ERTH104 (15 cr)

**Minor (E, S) 32 Semester Hours**

ECON201, 202 (8 cr)  
Electives in ECON (12 cr) (May include 3 cr of Business)  
Cognates: PSCI101, HIST105 or 106, EARTH104 (12 cr)

Elementary Education planned program minor

MTTC test req'd for Elementary certification: #83 (Elementary Education)

**Minor (E) 22 Semester Hours**

ART105, MUS105, ENGL360, MATH103, 113, ESPE316 (18 cr)

Cognate: Select one from: HIST105, 106, PSCI101, 236, 250 (4 cr)

English

**Required methods for secondary cert: TED332/300**

MTTC test req'd for BA endorsement: #02 (English)

**Major (E, S) 42 Semester Hours**

ENGL230, 241 or 242, 254, 310, 332, 342, 360 or 361, 407 (31 cr)

Electives in ENGL:

- One from: ENGL201, 203, 271 (4 cr)
- One from: ENGL340, 341, 343, 344, 345, 346, 349 (4 cr)

Cognate: COMM110 (3 cr)

**Minor (E, S) 28 Semester Hours**

ENGL201, 203, or 271 (4 cr)

ENGL230, 241 or 242, 254, 310, 332 (20 cr)

Electives in ENGL: One from: ENGL340, 341, 342, 343, 344, 345, 346, 349 (4 cr)

French

**Required methods for elementary endorsement: TED374**

- for secondary cert: TED335/300
- for K12 cert: TED374 and 335/300

MTTC test req'd for FA endorsement: #23 (French)

Note: French major & minor are pending Mich Dept of Ed approval.

**Major (E, S, K-12) 31 Semester Hours**

Two of the following: MLC 333, 334, 335 (8 cr)

MLC 337, 338, 339 (10 cr)

Electives in French, above Level IV (8 cr)

One semester Study Abroad

MLC490 (1 cr)

MLC491, 492 - after Study Abroad semester (4 cr)

**Minor (E, S) 21 Semester Hours**

One of the following: MLC333, 334, 335 (4 cr)

MLC 337, 338, 339 (10 cr)

Electives in French, above Level IV (6 cr)

One semester Study Abroad

MLC490 (1 cr)

German

**Required methods for elementary endorsement: TED374**

- for secondary cert: TED335/300
- for K12 cert: TED374 and 335/300

MTTC test req'd for FB endorsement: #24 (German)

Note: These programs are pending Mich Dept of Ed approval.

**Major (E, S, K-12) 31 Semester Hours**

Two of the following: MLC353, 354, 355 (8 cr)

MLC 357, 358, 359 (10 cr)

Electives in German, above Level IV (8 cr)

One semester Study Abroad

MLC490 (1 cr)

MLC491, 492 - after Study Abroad semester (4 cr)

**Minor (E, S) 21 Semester Hours**

One of the following: MLC 353, 354, 355 (4 cr)

MLC 357, 358 359 (10 cr)

One semester Study Abroad  
Electives in German, above Level IV (6 cr)  
MLC490 (1 cr)

#### Health Education

**Required methods for secondary cert: TED338/300**

MTTC test req'd for MA endorsement: #43 (Health)

Note: This program is pending Mich Dept of Ed approval.

#### **Minor (S) 28 Semester Hours**

BIOL104, 209 (7 cr)  
PSYC100, 206, 216 (10 cr)  
TED280, 380, 381 (9 cr)  
ESPE201 (2 cr)

#### History

**Required methods for secondary cert: TED343/300**

MTTC test req'd for CC endorsement: #09 (History)

#### **Major (E, S) 47 Semester Hours**

HIST101, 102, 103, 104, 105, 106, 295, 332, 407 (36 cr)  
Cognates: EARTH104, PSCI101, ECON202 (11 cr)

#### **Minor (E, S) 39 Semester Hours**

HIST101, 103, 104, 105, 106, 295, 332 (28 cr)  
Cognates: EARTH104, PSCI101, ECON202 (11 cr)

#### Integrated Science

**Required methods for secondary cert: TED341/300**

MTTC test req'd for DI endorsement: #93 (elementary) or #94 (secondary)

Note: The Integrated Science majors exist only within the Teacher Education Program. They do not meet the requirements for a degree when completed without the associated Teacher Education requirements. However, secondary candidates can combine the 40-credit group major with a biology or earth/space science minor to earn the equivalent of the Liberal Arts major in that specialty area. See the Guide to Teacher Certification for details.

#### **Comprehensive Group Major (S) 57-58 Semester Hours**

(With a comprehensive group major, secondary certification does not require an additional minor)

BIOL103, 104, 217, 221, 301, 326 (19 cr)  
CHEM103, 104, 311/313 (12 cr)  
PHYS101/103, 102/104 (8 cr)  
ERTH101, 102, 103, 201 (15 cr)  
MATH135 or 204 (3-4 cr)  
Group Major (S) 40 Semester Hours  
BIOL103, 104, 301 (9 cr)  
CHEM103, 104, 311/313 (12 cr)  
PHYS101/103, 102/104, (8 cr)  
ERTH101, 103, 201 (11 cr)

#### **Group Major (E) 43 Semester Hours**

Note: Revisions reflected in this program are pending Mich Dept of Ed approval.

BIOL103, 104, 217, 301, 326 (16 cr)  
CHEM103, 104 (8 cr)  
PHYS101/103, 102/104, (8 cr)  
ERTH101, 103, 201 (11 cr)

#### Language Arts

MTTC test req'd for BX endorsement: #90 (Language Arts)

Note: This program is pending Mich Dept of Ed approval.

#### **Major (E) 40 Semester Hours**

One of the following: ART 100, 101, 103, 215 (3 cr)  
One of the following: THRE 106, 108, three semesters of 100/300 (3 cr)  
One of the following: ENGL254, 255 (4 cr)  
ENGL230, 271, 310, 332, 361 (19 cr)  
COMM103, 110 (6 cr)  
TED368, 373 (5 cr)

#### Mathematics

**Required methods for secondary cert: TED336/300**

MTTC test req'd for EX endorsement: #22 (Mathematics, sec) or #89 (Mathematics, elem)

#### **Major (E, S) 36 Semester Hours**

MATH135, 205, 215, 216, 303, 304, 313, 323, 403 or 405 (30 cr)  
Elective in MATH: Select 300-level or higher course (3 cr)  
Cognate: CIS106 (3 cr)

#### **Minor (E, S) 23 Semester Hours**

MATH135, 205, 303, 304, 313, 323 (20 cr)  
Cognate: CIS106 (3 cr)

#### Music (B.M.E.)

**Required methods courses are included in the major**

MTTC test req'd for JQ endorsement: #99 (Music)

#### **Comprehensive Group Major (K-12) 63 Semester Hours**

MUS101, 102, 103, 104, 115, 116, 120, 124, 131,  
MUS201, 202, 203, 204, 215, 216, 303, 304, 316, 317,  
318, 319, 371,  
MUS401, 402, 410 (43 cr)  
Instrumental: MUS 122, 126, 362 or Vocal: MUS 128,  
132, 363 (4 cr)  
7 semesters applied music in principal instrument (7 cr)  
7 semesters large ensemble (7 cr)  
2 semesters small ensemble (2 cr)  
Pass piano proficiency examination prior to Assoc Tchg.  
(If piano is major instrument, substitute 4 crs of electives for MUS115/116/215/216)

#### Physical Education

**Required methods for elem, sec, or K12 cert: TED337/300**

MTTC test req'd for MB endorsement: #44 (Physical Education)

Note: These programs are pending Mich Dept of Ed approval.

#### **Major (E, S, K-12) 37 Semester Hours**

ESPE133, 201, 203, 218, 222, 225, 230, 236, 237, 238, 250,  
ESPE302, 309, 311, 333, 402  
Minor (E, S) 27 Semester Hours  
ESPE133, 201, 203, 218, 222, 230, 236, 237, 238, 250, 333, 402 (27 cr)

#### Political Science

**Required methods for secondary cert: TED343/300**

MTTC test req'd for CD endorsement: #44 (Political Science)

#### **Major (S) 43 Semester Hours**

PSCI101, 102, 137 or 138, 236, 409 (20 cr)  
Electives in PSCI (12 cr)  
Cognates: HIST105 or 106, ECON202, EARTH104 (11 cr)

#### **Minor (E, S) 31 Semester Hours**

PSCI101, 102, 137 or 138, 236, 409 (20 cr)  
Cognates: HIST105 or 106, ECON202, EARTH104 (11 cr)

## Psychology

### **Required methods for secondary cert: TED343/300**

MTTC test req'd for CE endorsement: #11 (Psychology)

#### **Major (E, S) 31 Semester Hours**

PSYC100, 205, 211, 265, 303, 311, 329, 445 (27 cr)  
Electives in PSYC (4 cr)

#### **Minor (E, S) 21 Semester Hours**

PSYC100, 212, 205, 303, 311 (17 cr)  
Electives in PSYC (4 cr)

## Religions, Academic Study of

### **Required methods for secondary certification: TED343/300**

MTTC test req'd for PR endorsement: none available

#### **Minor (S) 21 Semester Hours**

REL102, 105, 106, 108, TED343 (14 cr)  
Electives: 7 hours of 300- or 400-level REL courses (7 cr)

## Social Studies

### **Required methods for secondary cert: TED343/300**

MTTC test req'd for RX endorsement: # 84

Note: The Social Studies major/minor exist only within the Tchr Ed Program. They do not meet the requirements for a degree when completed without the associated Teacher Education requirements. However, secondary candidates can combine the 46-credit group major with a history, economics or political science minor to earn the equivalent of the Liberal Arts major in that specialty area. See the Guide to Teacher Certification for details.

#### **Major (E, S) 46 Semester Hours**

ERTH104, 201 (6 cr)  
ECON201, 202 (8 cr)  
HIST103, 104, 105, 106, 295 (20 cr)  
PSCI101, 102, either 236 or 250 (12 cr)

#### **Minor (E) 30 Semester Hours**

ERTH104, 201 (6 cr)  
ECON201, 202 (8 cr)  
HIST104, either 105 or 106 (8 cr)  
PSCI101, 236 (8 cr)

## Sociology

### **Required methods for secondary cert: TED343/300**

MTTC test req'd for CF endorsement: #12 (Sociology)

#### **Major (S) 34 Semester Hours**

SOC102, 208, 305, 402, 407 (18 cr)  
Electives in SOC:  
- Select 2: SOC202, 303, 311 (8 cr)  
- Select 1: SOC307, 323, 399 (4 cr)  
- Select 1: SOC200, 219, 309, 333 (4 cr)

#### **Minor (E, S) 24 Semester Hours**

SOC102, 208, 305, 402 (16 cr)  
Electives in SOC - Select 2: 202, 219, 303, 307, 309, 311, 323, 333, 351 (8 cr)

## Spanish

### **Required methods for elementary endorsement: TED374**

- for secondary cert: TED335/300
- for K12 cert: TED 374 and 335/300

MTTC test req'd for FF endorsement: #28 (Spanish)

Note: These programs are pending Mich Dept of Ed approval.

#### **Major (E, S, K-12) 31 Semester Hours**

Two of the following: MLC371, 372, 376 (8 cr)  
MLC 377, 378, 379 (10 cr)  
Electives in Spanish, above Level IV (8 cr)  
One semester Study Abroad  
MLC490 (1 cr)  
MLC 491, 492 - after Study Abroad semester (4 cr)

#### **Spanish Minor (E, S) 21 Semester Hours**

One of the following: MLC 371, 372, 376 (4 cr)  
MLC 377, 378, 379 (10 cr)  
Electives in Spanish, above Level IV (6 cr)  
One semester Study Abroad  
MLC 490 (1 cr)

## Visual Arts (B.F.A.)

### **Required methods courses are included in the major**

MTTC test req'd for LQ endorsement: #95 (Art Education)

Comprehensive Group Major (K-12) 64 Semester Hours

ART100, 101, 103, 300, 250 or 303, 360/361, 460/461, 489 (23 cr)

Three two-course sequences, including at least one underlined sequence:

ART201/301; 203/204; 205/305; 209/210; 215/315;  
218/318/319 (select 2); 220/320 (18 cr)

ART351 attached to one of the sequences (3 cr)

2 hours senior exhibition section of ART351 (2 cr)

ART200 (co-requisite to TED204), ART330 (coreq to TED330) (2 cr)

Cognates in art history: AHIS211 or 212, AHIS337, two additional AHIS courses (16 cr)

## Theatre

The theatre department provides students the opportunity to study theatre in the context of a liberal arts environment. Knowledge of and appreciation for the art of theatre are important aspects in a society that wishes to maintain its humanity. A major in theatre prepares a student for graduate study in theatre as well as providing the foundation for a variety of careers in theatre and the performing arts, such as scene design and technology, playwriting, directing, acting and arts management. The department provides non-majors with an excellent way to improve self confidence and presentational skills while participating in and learning about an important art form.

### Bachelor of Arts in Theatre (34 hours)

#### **Theatre Core (22 hours)**

THRE 100 Theatre Workshop I (1, 1)  
THRE 108 Acting I: Introduction to Acting (3)  
THRE 207 Stagecraft (3)  
THRE 300 Theatre Workshop II (1, 1)  
THRE 304 Play Directing (3)  
THRE 315 Theatre History I (3)  
THRE 316 Theatre History II (3)  
THRE 421 Senior Project in Theatre (3)

#### **Theatre Electives (12 hours)**

3 hours from 312, 313; and 9 additional hours of theatre courses.

### **Minor and Associate Program Requirements**

Students minoring in theatre or wishing to receive an Associate of Arts degree in theatre are required to complete 22 hours

of Theatre courses: 100 (2 credits), 108, 207, 300 (2 credits) 304 and 9 hours of electives.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

\* To fulfill Humanities/Arts general distribution requirements using dance courses, students must complete 3 hours in dance.

**100.** Theatre Workshop (1.) This is a seminar course that explores the relationship of theatre to the world around us. It includes visiting guest artists, workshops, techniques, special topics of current theatre, and other related topics. Forty hours of practical work in acting, directing, management, design, and construction will be expected. May be repeated. Fall, spring.

**106.** Introduction to Theatre (ARTS) (3). An examination of the theatre and its place as an art form in our society, including the personnel and basic literary, aesthetic and production techniques involved in dramatic production. Fall, spring

**108.** Acting I: Introduction to Acting (ARTS) (3). Fundamental principles of acting with emphasis on training and practice in the acting craft, includes exercises in improvisation and characterization. Fall, spring.

**115.** Beginning Modern Dance (ARTS) (1). A study of basic techniques in modern dance. Fundamental warm up exercises are taught, followed by center practice and combinations of dance steps. Fall of alternate years.

**116.** Beginning Jazz (ARTS) (1) A study of basic techniques in jazz dance. Fundamental warm up exercises are taught, followed by center practice and combinations of dance steps. Fall of alternate years.

**117.** Beginning Ballet (ARTS) (1). A study of basic techniques in ballet. Fundamental ballet exercises are taught at the barre, followed by center practice and combinations of dance steps. Fall of alternate years.

**120.** Tap (ARTS) (1). Fundamentals of tap dance. Students must provide their own tap shoes. Fall of alternate years.

**207.** Stagecraft (3). Technical aspects of play production, including basic shop techniques and tools, parts and functions of the stage, scenery construction and painting and an introduction to stage lighting, scene design, theatrical make-up and costuming. Lecture and laboratory. Open to freshmen. Fall.

**216.** Intermediate Jazz (ARTS) (1). A study of techniques in jazz dance at the intermediate level. Fundamental warm up exercises are taught, followed by center practice and combinations of dance steps. (Prerequisite: Theatre 116.) Spring of alternate years.

**217.** Intermediate Ballet (ARTS) (1). A study of techniques in ballet at the intermediate level. Fundamental ballet exercises are taught at the barre, followed by center practice and combinations of dance steps. (Prerequisite: Theatre 117.) Spring of alternate years.

**219.** Musical Theatre Dance (ARTS) (1). Musical theatre choreography and techniques with emphasis on original Broadway choreography and dance routines original to Broadway-style music. Spring of alternate years.

**250.** Topics in Dramatic Literature (ARTS) (3). A focused study of dramatic literature such as an historical period, a country or a particular genre. May be repeated with a different topic. Spring

**300.** Theatre Workshop II (1). Explores the relationship of theatre to the world around us on a more advanced level. It includes visiting guest artists, workshops, techniques, special topics of current theatre, and other related topics. Forty hours of practical work in acting, directing, management, design, and construction will be expected. May be repeated. (Prerequisite: 2 credits of Theatre 100.) Fall, spring.

**303.** Acting II: Character Portrayal (3). Theory and practice in the art of creating a believable character for the stage, with emphasis on representational theatre techniques. (Prerequisite: Theatre 108 or permission of instructor.) Fall.

**304.** Play Directing (3). Basic laboratory training in the techniques of conducting rehearsals and directing the work of actors and other play production personnel. (Prerequisites: Theatre 108 or 207; or permission of instructor.) Spring.

**310.** Playwriting Workshop (3). This course deals with the step-by-step process of writing scripts for the theatre with the final project being a revised script of a one-act play. (Prerequisite: English 101.) Fall.

**312.** Production Design: Scenery and Lighting (3). Explores the basic principles of scenery and lighting design in creating a proper theatre environment. Practical application of technique through script analysis, period and atmosphere research, design theory, design presentation styles, and execution of projects. (Prerequisite: 207.) Spring of alternate years.

**313.** Production Design: Costume and Makeup (3). Examines the basic principles of costume and makeup design in creating a character apropos to the theatre production. Instruction and practical application of fashion history, principles and theories of costume and makeup design, character and play analysis, design presentation styles, and execution of projects. (Prerequisite: 207.) Spring of alternate years.

**314.** History of Musical Theatre (ARTS) (3). The development of a distinctive American art form, from the European forms that were its progenitors to the contemporary musical forms. Various types and styles of musical theatre and their influences. Spring.

**315.** Theatre History I (ARTS) (3). Development of Western drama and the theatre from their origins until approximately the Restoration. A less detailed exploration of some of the major developments in the history of Eastern drama and theatre. Factors that influenced the development of the art, and their social, political, economic and religious contexts. Fall.

**316.** Theatre History II (ARTS) (3). Development of Western drama and the theatre from approximately the Restoration to the present. Factors that influenced the development of the art, and their social, political, economic and religious contexts. Spring.

**318.** Choreography (ARTS) (1). Selection of dance theme, construction of dances and small group studies. Aesthetic considerations, forms, and elements of performance. Spring of alternate years.

**394.** Advanced Play Direction (3). Advanced study in play direction, including analysis, research, rehearsal and performance techniques. (Prerequisite: Theatre 304 and permission of instructor.) Offered as needed.

**398.** Acting III: Advanced Acting (3). Advanced theory and practice in acting styles, representational and presentational theatre techniques, and individualized and small group practice. (Prerequisite: Theatre 303 or permission of instructor.) Fall.

**415.** Topics Seminar (3). An examination of a particular topic of interest to faculty members and students in theatre. (Prerequisite: dependent upon topic.) With departmental approval, may be repeated with different topic. Offered as needed.

### ***Special and Advanced Courses***

**199.** Exploratory Internship (1-3).

**299.** Experimental Course (1-3).

**399.** Professional Internship (1-12). (May Term offering limited to 4 credit hours; Summer Term offering limited to 6 credit hours).

**420.** Senior Project in Musical Theatre (3). With theatre department advisor approval and guidance, the student prepares and presents a program of vocal music, dance and drama drawn from a variety of American musical theatre sources. The program provides a culminating experience for the Musical Theatre major. Consultation with music and dance faculty is required. (Prerequisite: senior status and permission of department chair.) Fall and spring.

**421.** Senior Project in Theatre (3). With theatre department advisor approval, the student designs and executes an appropriate project which provides a culminating experience for the undergraduate academic career. The project and/or an analysis thereof is presented in a departmental forum at

the end of the term in which the student earns credit for the course. Fall and spring.

**451.** Independent Study (1-3). Supervised reading and research in a special interest area of theatre. (Prerequisite: department chairperson's written permission and instructor's approval of a written proposal that is submitted to the department prior to registration for the course.) Fall, spring, May and summer.

**499.** Advanced Experimental Course (1-3).

### **Women's Studies**

Women's Studies is an interdisciplinary program that examines the past and the present from the perspective of women and gender. Study will focus on women's experiences and the construction of gender roles and identities from a variety of areas. The goals of the Women's Studies Minor are:

- to introduce both male and female students to the often neglected contributions of women in the sciences, medicine, humanities, social sciences, and the arts.
- to explore the relationships between gender, race, class, ethnicity, and sexual identity and how these dynamics shape human experiences in different cultures.
- to think critically about the construction of gender and to take seriously the impact that gender stereotypes can have on society.
- to help students become more aware of women's experiences so that they can be more sensitive and effective in professions such as social work, education, medicine, counseling, law, and administration.

### ***Minor Program Requirements***

The minor in Women's Studies requires the completion of a minimum of 18 semester hours, including PHIL 129 (Introduction to Women's Studies) and PHIL 329 (Feminist Thought) and at least four other courses from among the following: HIST 221 (Women in East Asia), HIST 213 (Women in European History), HIST 265 (U.S. Women's History), SOC 202 (Sociology of Sex and Gender), PSYC 216 (Human Sexuality), PSYC 306 (Race and Gender), RELG 310 (Women in World Religions), and RELG 330 (Women and the Bible).

Other non-listed courses may also be applied to the minor if approved by the director of the program.

# College Officers

2007-2008

Jeffrey R. Docking, President  
Dale K. Nesbary, Vice President and Dean of Academic Affairs  
Richard A. Creehan, Executive Vice President  
Ronald L. Reeves, Vice President of Institutional Advancement

## **Faculty**

### **Michael W. Allen (1986)**

Professor of Theatre  
Theatre Director  
B.A., Millsaps College; M.F.A., University of California at Davis

### **William A. Bachman (1981)**

Professor of Accountancy/Business Administration  
B.A., Alma College; M.A., University of Kentucky

### **Scott E. Behrens (1999)**

Associate Professor of Teacher Education  
B.A., Western Maryland College; M.A.E., University of Arizona; Ph.D., University of Florida

### **Pauleve Benio (1978)**

Professor of Art and Design  
B.F.A., M.F.A., Eastern Michigan University

### **Jeffrey P. Berry (1985)**

Professor of English  
B.A., M.A., University of New Hampshire; Ph.D., State University of New York at Stony Brook

### **Cynthia A. Bily (1997)**

Assistant Professor of English  
B.A., Kansas State University; M.A., State University of New York at Stony Brook

### **Sheri R. Bleam (1981)**

Professor of Communication Arts and Sciences  
B.A., Wright State University; M.A., Central Michigan University; Ph.D., Wayne State University

### **Robin L. Bott (1997)**

Associate Professor of English  
B.A., Brigham Young University; M.A., North Carolina State University; Ph.D., University of Colorado at Boulder

### **Peter J. Boudreau (1968)**

Professor of Mathematics  
B.S., Adrian College; M.S., University of Tennessee

### **Agnes I. Caldwell (1996)**

Associate Professor of Sociology, Criminal Justice and Human Services  
B.A., M.A., University of Toledo; Ph.D., Wayne State University

### **Donald E. Cellini (1988)**

Professor of Foreign Languages  
B.A., St. Edward's University; M.A., University of Texas; Ph.D., University of Toledo

### **Tina L. Claiborne (2007)**

Assistant Professor of Exercise Science  
B.A., Ithaca College; M.S., Ph.D., University of Toledo

### **Michael J. Claus (2005)**

Assistant Professor of Chemistry  
B.S., Seattle University; M.S., Ph.D., Michigan State University

### **Renee Lapham Collins (2007)**

Instructor, Journalism of English  
B.A., Siena Heights College; M.A., University of Toledo

### **Adam M. Coughlin (2005)**

Assistant Professor of Exercise Science  
B.A., Adrian College; M.S., Ph.D., Michigan State University

### **David G. Coy (1988)**

Professor of Accountancy/Business Administration  
B.A., Adrian College; M.B.A., University of Toledo

### **Carman C. Curton (2003)**

Assistant Professor of English  
B.A., Michigan State University; Ph.D., University of Denver

### **Lakshmi Dalwala (2003)**

Assistant Professor of Mathematics  
B.S., M.S., Bangalore University; M.A., Ph.D., Bowling Green State University

### **Kevin C. Darr (1989)**

Professor of Exercise Science/Physical Education  
B.S., Wheaton College; M.S., Ph.D., University of Wisconsin

### **Frederick E. Detwiler, Jr. (1983)**

Professor of Philosophy/Religion  
B.A., Lebanon Valley College; M.Div., Garrett Theological Seminary; Ph.D., Pennsylvania State University

### **John T. Dodson (2001)**

Associate Professor of Music  
B.S., Tennessee Technical University; M.M., Peabody Conservatory

### **John E. Eipper (2000)**

Associate Professor of Foreign Languages  
B.A., Dartmouth College; A.M., Ph.D., University of Michigan

### **Deborah A. Field (2001)**

Assistant Professor of History  
B.A. Columbia University; Ph.D., University of Michigan

### **Thomas L. Flagg (1994)**

Professor of Psychology  
B.A., M.A., Ph.D., University of Michigan

**Timothy M. Frusti (2004)**

Associate Professor of Teacher Education  
B.A., Concordia College (St. Paul); M.A., Eastern Michigan University; Ph.D., Michigan State University

**Norma J. Gladu (1973)**

Professor of Exercise Science/Physical Education  
B.A., Adrian College; M.S., Eastern Michigan University

**Ahsan M. Habib (1981)**

Professor of Economics  
B.A., M.A., University of Dacca; M.A., Ph.D., McMaster University

**Forest E. Haines, Jr. (1971)**

Professor of Earth Science  
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**Gordon C. Hammerle (1976)**

Professor of Psychology  
B.S., Denison University; Ph.D., Indiana University

**James Hanley (2002, 2004)**

Assistant Professor of Political Science  
B.A., California State University, Bakersfield; M.A., Ph.D., University of Oregon

**Sarah L. Hanson (1998)**

Associate Professor of Earth Science  
B.S., M.S., University of New Orleans; Ph.D., University of Utah

**Suzanne G. Helfer (2003)**

Assistant Professor of Psychology  
B.S., Pennsylvania State University; M.S., Ph.D., Ohio University

**Thomas M. Hodgman (1999)**

Associate Professor of Music  
B.M., Chapman University; M.M., Westminster College; D.M.A., Eastman School of Music

**Philip J. Howe (2005)**

Assistant Professor of Political Science  
B.A., Oberlin College; Ph.D., University of California at San Diego

**Emily Rebekah Huber (2007)**

Assistant Professor of English  
B.A., College of William and Mary; M.A., University of Rochester

**Terrence W. Jackson (2003)**

Assistant Professor of History  
B.A., B.S., Tufts University; M.A., Ph.D., Indiana University

**Stephanie J. Jass (2005)**

Assistant Professor of History  
B.A., Valparaiso University; M.A., Bowling Green State University; Ph.D., Western Michigan University

**Alia Khurram (2007)**

Assistant Professor of Mathematics  
B.S., University of the Punjab; M.S., Quaid-i-Azam University; M.S., Ph.D., Southern Illinois University

**Donald A. Kleinsmith (1970)**

Professor of English and Accountancy/Business Administration  
B.A., M.A., Eastern Michigan University

**R. Seth C. Knox (2007)**

Assistant Professor of Modern Languages & Cultures  
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**Richard E. Koch (1979)**

Professor of English  
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**Elizabeth A. Lamprecht (1995)**

Associate Professor of Mathematics  
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**James F. Leslie (1985)**

Professor of Biology  
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**Joan Livingston (2007)**

Assistant Professor of Teacher Education  
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**Richard A. Lovett (2003)**

Associate Professor of Teacher Education  
B.Ed., M.Ed., Ed. Spec., University of Toledo

**Martin A. Marks (2004)**

Assistant Professor of Music  
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**James B. Martin (2002)**

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**Keith A. McCleary (1997)**

Associate Professor of Chemistry  
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**Michael C. McGrath (1983-2003; 2007 – Present)**

Professor of History  
B.A., Ph.D., Princeton University

**Vanessa B. Morrison (2007)**

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A.L.A., Oakland Community College; B.A., University of Michigan; M.A., Ph.D., Oakland University

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**Beth M. Myers (1981)**

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**Patrick S. Quinlan (1982)**

Professor of Accountancy/Business Administration  
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**Catherine M. Royer (1997)**

Associate Professor of Art and Design  
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**Craig A. Weatherby (1978)**

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**Levon L. Yoder (1965)**

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**Weiqun Zhang (2007)**

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**Emeritus Professors****J. Gregg Arbaugh (1957-1986)**

Professor of Physical Education

**Wilnella M. Bush (1973-2004)**

Assistant Professor of Music

**Henry W. Cetola (1979-2003)**

Professor of Psychology

**Luella B. Chatters (1986-1996)**

Associate Professor of Teacher Education

**John A. Davis (1961-1985)**

Professor of History

**Doris S. deLespinasse (1979-1996)**

Professor of Business Administration/Accountancy

**Paul F. deLespinasse (1964-2000)**

Professor of Political Science and Computer Science

**Roger J. Fechner (1970-2002)**

Professor of History

**Robert J. Gillis (1956-1986)**

Professor of Physical Education

**C. Ray Hembree (1984-1996)**

Professor of Mathematics

**Robert W. Husband (1964-1997)**

Professor of Biology

**Arthur J. Jones (1964-1990)**

Professor of Music

**Norman H. Knutson (1970-1998)**

Professor of Art

**Paul A. MacDonald (1966-1996)**

Professor of Exercise Science/Physical Education

**Margaret O. Marchand (1971-1990)**

Professor of Mathematics

**Michael C. McGrath (1983-2003)**

Professor of History

**Robert C. Miller (1968-1988)**

Professor of Chemistry

**Albert Misseldine (1964-1997)**

Professor of English

**Joseph B. Noffsinger (1967-1998)**

Professor of Earth Science

**Shirley M. Pipes Thomas (1979-1997)**

Professor of Foreign Languages

**Robert A. Ploegstra (1965-1995)**

Professor of English

**Kenneth W. Ross (1968-1997)**

Professor of Political Science

**Betty L. Skillman (1970-2000)**

Professor of Teacher Education

**Beverly Allen Smith (1963-1988)**

Professor of Foreign Languages

**George E. Somers (1971-2000)**

Professor of Sociology, Criminal Justice and Human Services

**Marianna K. Staples (1968-2001)**

Professor of Foreign Languages

**Jerry L. Stewardson (1969-2003)**

Professor of Philosophy/Religion

**Eugene L. VandenBoss (1968-2004)**

Professor of Mathematics and Computer Science

**Nancy A. Walsh (1964-1998)**

Professor of Exercise Science/Physical Education

**Rosalie M. Warrick (1972-1996)**

Professor of Sociology and Teacher Education

**James O. Watson (1968-1996)**

Professor of Mathematics

**Milledge W. Weathers (1968-1991)**

Professor of Economics

**John A. Weeks (1970-1998)**

Professor of History

**Richard E. Werstler (1965-1985)**

Professor of Teacher Education

**Ching-Kuei Wu (1965-1985)**

Professor of Biology

**K.S. Xavier (1966-1993)**

Professor of Biology

## **Administration**

### *Office of the President*

**Jeffrey R. Docking (2005)**

President

B.A., Michigan State University; M.Div., Garrett-Evangelical Theological Seminary; Ph.D., Boston University

Office of Alumni Affairs

**Marsha L. Fielder (1996)**

Director of Alumni Affairs

B.A., Adrian College

### *Office of Chaplain and Church Relations*

**Christopher P. Momany (1996)**

Chaplain and Director of Church Relations

B.A., Adrian College; M.Div., Princeton Theological Seminary; D.Min., Drew University

### *Division of Academic Affairs*

**Dale K. Nesbary (2006)**

Vice President and Dean of Academic Affairs

B.A., Michigan State University; M.P.A., Western Michigan University; Ph.D., Northeastern University

**David A. Cruse (1999)**

Associate Librarian, Electronic Resources

Head Librarian

B.A., Indiana University; M.L.S., Indiana University

**Richard D. Geyer (1991)**

Librarian, Reference Services

B.A., University of Minnesota; M.I.L.S., University of Michigan

**Patricia C. Gray (1997)**

Support Services Specialist  
B.A., Adrian College

**Noelle C. Keller (1999)**

Associate Librarian, Technical Services  
B.A. & M.Ed., George Washington University; M.L.S., Kent State University

**Cynthia C. Kojima (2002)**

Registrar  
B.A., M.A., Siena Heights University

**Bradley D. Maggard (2001)**

Hardware/Software Specialist  
A.C.N., Baker College

**Chandra A. Mapes (2002)**

Sciences Lab Coordinator  
B.A., Adrian College

**Shannon Martineau (2006)**

B.A., Michigan State University

**Jane K. McCloskey (1994)**

Director of Academic Services  
B.S., Kutztown University; M.Ed., Radford University

**Joanne D. Nalepka (1999)**

Reading Specialist  
B. Ed., University of Toledo; M.A., Eastern Michigan University; M.A., Michigan State University

**Lisa Napierala (2005)**

Career Counselor  
B.A., M.A., University of Toledo

**Susan K. Powell (2004)**

Technical Assistant, Art and Design Department

**Steven L. Stempien (1998)**

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