

**Saginaw Valley State University**  
**2006-2007**  
**Undergraduate**  
**Academic Catalog**

7400 Bay Road University Center, Michigan 48710  
(989) 964-4200 695-5325, ext. 4200 from Midland  
(800) 968-9500

## About this Catalog

This catalog contains comprehensive information about Saginaw Valley State University, its academic programs and requirements for earning bachelor's and master's degrees from SVSU. It can serve as your guide to admission and graduation requirements, and for various academic options. Brief descriptions of all courses are listed by department, as well as programs of study for each major and minor currently offered.

You should refer to this catalog for information you'll need to successfully complete a degree program at SVSU. Additional assistance is available from academic advisors and faculty. You also should refer to the online Course Schedule Lookup, which lists all the courses, locations and meeting times for fall, winter and spring/summer semesters.

## Mission Statement

**MISSION:** The University creates opportunities for individuals to achieve intellectual and personal development through academic, professional, and cultural programs. By fostering an environment of inquiry and openness that respects the diversity of all whom it serves, the University prepares graduates whose leadership and expertise contribute to the advancement of a pluralistic society. The University serves as a cultural and intellectual center dedicated to the pursuit and propagation of knowledge.

**VISION:** The University will provide academic, professional, and cultural programs at the highest levels of quality and service; it will achieve national recognition for its programs of distinction. The University's graduates shall distinguish themselves and their University through meritorious service, accomplishments, and leadership in the economic, cultural, and civic affairs of a diverse and global society. Through exemplary teaching, research, and engagement with the greater community, the University will also be the premier cultural and intellectual resource for the region's schools, governments, businesses, and people.

—Adopted by the Board of Control on March 21, 2005.

## The Purpose of the University

To provide a comprehensive array of baccalaureate degree programs and a select number of master's degree programs.

- Baccalaureate degree programs are based upon a foundation in the liberal arts, the development of strong academic skills, and include studies in depth in one or more academic or professional disciplines.
- Master's degree programs concentrate studies in fields that address the needs of the East-Central region of Michigan or take advantage of unique opportunities and particular strengths within the university.

To strive for excellence in teaching, learning, research, service and creative endeavors, and to stand as an example in those regards.

To provide academic and support services that address the educational needs of a diverse student population that varies by gender, age, ability, experience, lifestyle, cultural background and economic circumstances.

To represent and advance the ideals and values of higher education in a democratic society by:

- Pursuing and defending freedom of inquiry, thought and expression.
- Practicing and encouraging respect, integrity, civility, decency and fairness in human relationships.
- Promoting understanding among people and by people for their world.
- Maintaining an openness of opportunity for all people to reach their fullest personal and professional potential.

To contribute to the quality of life for the people of the region, state, and society by:

- Providing expertise, leadership, and other support in the development of ideas and strategies for addressing social, technological, and economic issues.
- Creating, sponsoring and hosting events and activities that help people understand and appreciate the varieties of human culture, art and accomplishment.
- Promoting responsible participation in a democratic society by people both within and outside of the university community.

—Adopted by the Board of Control on March 29, 1993.

## **Governing Board, Accreditations and Affiliations**

### **Board of Control**

Saginaw Valley State University is a public institution governed by a Board of Control appointed by the Governor of the State of Michigan. The eight members serve staggered eight-year terms. Current members are:

Jerome L. Yantz, Chair  
Bay City

K. P. Karunakaran, Secretary  
Saginaw

David J. Abbs  
Saginaw

Lawrence E. Sedrowski  
Midland

David R. Gamez, Vice Chair  
Saginaw

D. Brian Law, Treasurer  
Essexville

Ruth A. Braun  
Saginaw

Leola Wilson  
Saginaw

Eric R. Gilbertson  
Ex-officio  
SVSU President

### **Accreditation**

Saginaw Valley State University was accredited by the Higher Learning Commission of the North Central Association as a baccalaureate degree-granting institution in 1970. In 1980 the HLC/NCA continued this accreditation and granted accreditation at the master's degree level. Both accreditations were renewed in 1986, 1994 and 2004. The business programs are accredited by the Association to Advance Collegiate Schools of Business—AACSB International, the chemistry program by the American Chemical Society, the engineering programs by the Accreditation Board for Engineering and Technology, the education programs by the National Council for Accreditation of Teacher Education, the medical technology program by the American Society of Clinical Pathologists and American Medical Association, the nursing program by the National League for Nursing, the occupational therapy program by the American Occupational Therapy Association and the social work program by the Council on Social Work Education.

### **Affiliations**

Saginaw Valley State University is a member of:

- Association to Advance Collegiate Schools of Business-International Accreditation Council
- American Association of Collegiate Registrars and Admissions Officers
- American Association of State Colleges and Universities
- Council for Advancement and Support of Education
- Great Lakes Intercollegiate Athletic Association

- Michigan Academy of Science, Arts and Letters
- Michigan Association of Collegiate Registrars and Admissions Officers
- Michigan Association of Student Financial Aid Administrators
- National Association of Student Financial Aid Administrators
- National Collegiate Athletic Association
- Presidents Council, State Universities of Michigan

# General Information



## **Undergraduate Admission**

A number of different categories for undergraduate admission to Saginaw Valley State University are described below. Application forms for undergraduate admission to the University can be obtained from the Office of Admissions, high school and community college counseling offices or online at [www.svsu.edu](http://www.svsu.edu).

A check or money order made payable to SVSU for the \$25 non-refundable application fee must accompany the application for admission.

Pre-admission counseling and campus tours are available weekdays through the Office of Admissions, 178 Wickes Hall. Office hours are Monday through Thursday from 8 a.m. to 6 p.m. and Friday from 8 a.m. to 4:30 p.m. Special arrangements, other than our regular hours to visit, may be made with sufficient notice. For more information, call (989) 964-4200 or (800) 968-9500.

## **Admissions Procedures**

### **First Time in College (Under 22 years of age)**

An application for admission may be made any time after completion of the Junior year of high school. With acceptable American College Test (ACT) or Scholastic Aptitude Test (SAT) scores, students with a minimum six- or seven-semester high school grade point average of 2.50 will be admitted. Those with a minimum seven-semester grade point average of 2.00 may be admitted if test scores and extracurricular involvement indicate they likely would succeed in college.

A student applying for admission to a degree program is requested to submit the following:

1. An application for admission.
2. A high school transcript. Students currently enrolled in high school should send a transcript at the time application is made. Final Senior grades must be submitted by the high school as soon as possible after graduation.
3. ACT or SAT test scores.

Students who have been out of school for at least one year and have graduated with a minimum 2.0 grade point average, or passing General Education Development (GED) test scores, and have not taken the ACT or SAT, are required to take Basic Skills Assessments in writing, reading and math. Students must achieve passing scores in writing and reading to be considered for admission.

### **First Time in College (22 years of age and over)**

An application for admission may be made any time after graduation from high school, or successful completion of the GED. Students who have graduated from high school with a minimum grade point average of 2.00 and a minimum score on the ACT (17) or SAT (810) will be admitted. Students who have a high school diploma or GED, but have not completed the ACT or SAT, will be contacted by the Office of Admissions regarding any additional assessment that may be required to determine their ability and potential to succeed in college.

### **Home-Study Students**

Students who have not attended an accredited public or private high school must submit all available academic records with their application, ACT or SAT results (ACT preferred) and schedule a personal interview.

## **Transfer Students**

Admission normally will be granted to those with a minimum GPA of 2.00 in all college courses taken. A transfer student who has less than a 2.00 GPA may be admitted on probation. Students admitted on probation must obtain a minimum GPA of 2.00 their first semester in residence or be subject to academic dismissal.

Transfer students must submit the following:

1. An application for admission.
2. Official college transcripts from all colleges and universities attended by the student.
3. Proof of high school graduation or copy of GED.

## **Readmission**

Former SVSU students who have been absent for seven or more semesters, have graduated from SVSU, or have been academically dismissed, are required to apply for readmission. If you attended another college since leaving SVSU, arrange to have an official copy of your transcripts sent to the Office of Admissions.

Readmitted students are subject to all regulations and requirements of the catalog current at the time of re-enrollment.

Academically dismissed students may be readmitted on probation if they have not enrolled for at least two semesters. A personal interview is required.

## **Guest Students**

A student in good academic standing at another college may apply for admission as a guest student. It is the guest student's responsibility to determine whether courses taken at SVSU will satisfy the requirements of his or her program. A guest student must submit a Michigan Uniform Guest Application approved by the Registrar of the home institution. Guest students must reapply prior to each semester of enrollment at SVSU. Based on federal regulations, guest students are not eligible for financial aid at SVSU.

## **Applicants with Degrees**

Applicants who hold baccalaureate or graduate degrees and who desire to enroll in one or more courses at SVSU without entering a degree program must submit an application for non-degree admission. Official transcripts of previous college work will not be required unless the student completes 31 undergraduate or nine graduate credits, or unless the applicant decides to work toward a degree. Students completing coursework for teacher certification should contact the College of Education for admission information.

## **Auditors**

Auditors are students who wish to take courses but who desire neither credits nor grades for these courses. The instructor for each course will determine the auditor's responsibilities in the course.

The tuition charge for the auditor is the same as that charged to the student who is taking the course for credit. Students wishing to audit courses must submit an application for admission.

## **High School Dual Enrollment**

High school students wishing to enroll in one or more SVSU courses must have a minimum 2.50 cumulative grade point average and submit the following:

1. An application for admission (no application fee required).
2. A high school transcript (transcript should be sent at the time application is made).
3. Submit dual enrollment form if school will be responsible for payment. Check with your counseling department for details.

College credits earned by high school students will apply toward a degree program at SVSU.

Financial support may be available through your high school and the state of Michigan. Check with your high school counselor for details.

## **Exploring the University**

Exploring the University, a non-degree program of study, is for individuals who would like to take classes for personal enhancement or for those thinking about pursuing a college degree. Students are eligible to take up to 15 credits with a maximum of two courses per semester. Students must have a high school diploma or GED. SVSU will provide academic advising to help students select a course, prepare a class schedule and register. At any time students may enter a degree program at SVSU by following the admissions criteria outlined in the above categories. Credits earned through the program will transfer into the student's degree program. Students are eligible for financial aid only after they have been admitted to a degree program. Contact the Admissions Office for an Exploring the University application and registration form. No application fee is required.

## **Additional Information and Assistance**

For more information on admission categories, standards or requirements, call the Office of Admissions at (989) 964-4200 or (800) 968-9500, or send E-mail to [admissions@svsu.edu](mailto:admissions@svsu.edu). Information also is available on line through SVSU's home page at [www.svsu.edu](http://www.svsu.edu).

## **International Student Admission**

The University is authorized under federal law to enroll international students. A prospective student should write to the Director of International Programs, Saginaw Valley State University, University Center, Michigan 48710-0001; or, E-mail [oiip@svsu.edu](mailto:oiip@svsu.edu). Instructions and application materials will be sent, and must be returned to the Office of International Programs. The application and additional information is available at [www.svsu.edu/intprog](http://www.svsu.edu/intprog). When the application is approved, an I-20 certificate will be mailed. Prospective students should not make plans to leave their country before receiving this certificate and obtaining a student visa from a U.S. consular office.

Prospective international students must present a TOEFL (Test of English as a Foreign Language) or IELTS score, or successfully complete SVSU's English Language Program before beginning a degree program. Conditional admission is available for students meeting all requirements except for the English language requirement.

Tuition and fees for international students are the same as for U.S. students claiming residency in a state other than Michigan.

## **English Language Program**

Saginaw Valley State University offers full-time, intensive English language training for students who need to improve their English language ability. English Language Program (ELP) courses include:

- Preparation for study at SVSU or other colleges and universities.
- Preparation for the TOEFL exam.
- General use of written and spoken English.
- Academic advisement (information about studying in the U.S.)
- Orientation to U.S. culture and university life.

For information, contact the Office of International Programs, 160 Wickes Hall, at (989) 964-4473 (phone), (989) 964-6066 (fax), or send E-mail to [oiip@svsu.edu](mailto:oiip@svsu.edu).

## **Articulation Agreements**

SVSU's articulation agreements highlight and promote special transfer arrangements made above and beyond the regular transfer path with a number of Michigan community colleges and Ontario colleges. To determine if your program and/or school is under one of these special agreements with SVSU, please contact the Office of Admissions at (989) 964-4200 or (800) 968-9500.

### **Articulation Agreement with Programs in Michigan State University's College of Agriculture and Natural Resources**

Michigan State University and SVSU have a formal agreement that will allow SVSU students to transfer into one of the majors within MSU's College of Agriculture and Natural Resources. A student could attend SVSU for up to two years and then transfer to pursue his/her major through MSU's College of Agriculture and Natural Resources. Interested students should contact the Office of Undergraduate Admissions at (989) 964-4200 or (800) 968-9500 for further details regarding this initiative.

## **Advance Credit**

### **Transfer Credit**

Saginaw Valley State University is a consenting (with provisions) institution of the Michigan Association of Collegiate Registrars and Admissions Officers (MACRAO) transfer agreement. Students transferring with the MACRAO Agreement will be granted a minimum of eight categories toward the SVSU General Education requirements as determined by the transfer credit evaluator.

#### **Transfer Credit Policy**

1. Saginaw Valley State University generally will consider for transfer credit course work that has been completed at a degree-granting college or university holding accreditation through a regional institutional accrediting association. In evaluating such course work, SVSU will consider the nature and content of the courses as they may be appropriate to the intended program of study. Full credit will be granted by the Registrar's Office for courses that are determined to be comparable in nature and content to those offered by SVSU. Transfer students may be required to provide such materials as course descriptions, syllabi, papers and examinations to assure proper evaluation.
2. Credit earned in institutions of higher education that are not accredited as stated in section one (at the time the course was taken) generally is not acceptable for transfer to SVSU. By exception, such course work may

- be considered for credit upon individual course evaluation and the recommendation of the Registrar's Office and the dean of the appropriate college.
3. Credit attained through non-traditional learning experiences such as credit by examination, high school-based programs, military schools, non-collegiate instruction, etc., is evaluated according to the general policies of the University as stated in the catalog or addendum. If no formal policy exists, the credit is evaluated on an individual basis by the Registrar's Office for approval by the dean of the appropriate college. This policy applies to non-traditional educational sources regardless of previous validation by another educational institution, whether accredited or not.
  4. Appeals of decisions regarding transfer of credit matters must be made in writing, with appropriate supporting materials, to the Associate Registrar. If the question is not resolved, the student may submit a course petition to the appropriate academic department and dean. The final authority for determining acceptance of transfer of credit is the Vice President for Academic Affairs.
  5. Specific requirements and limitations for all students are:
    - a. Course work submitted for transfer of credit must be by official transcript, not issued to the student. The validity of the transcript or alternate document for non-traditional course work will be determined by the Registrar's Office.
    - b. Transferred credits are not included in the Saginaw Valley State University grade point average computation.
    - c. Grades such as "P" (Pass) or "S" (Satisfactory) that are credit-earned but do not carry grade point values must be validated by the issuing institution as being equivalent to the minimum acceptable grade for the appropriate degree program.
    - d. Transferred credits will be reevaluated upon readmission to the University.
    - e. Transferred credits become credits earned when the first Saginaw Valley State University credit is earned.
  6. Specific requirements and limitations for undergraduate programs:
    - a. The maximum credits accepted from all sources for an undergraduate degree program is 93 credits (with the exception of the 150-credit hour accounting program).
    - b. The maximum credits accepted from all two-year institutions for an undergraduate degree program are 62.
    - c. The minimum acceptable grade for transfer to an undergraduate degree program is "C-" or its equivalent.
  7. Specific requirements and limitations for graduate programs:
    - a. The maximum credits accepted from all sources for a graduate degree program are determined by each college, not to exceed 12.
    - b. The minimum acceptable grade for transfer to a graduate degree program is "B-" or its equivalent.

### **Advanced Placement**

Saginaw Valley State University participates in the Advanced Placement Program of the College Entrance Examination Board and grants either advanced credit, advanced placement or both, to Freshmen who have completed college-level studies while still in high school and have earned satisfactory scores on the Advanced Placement examinations.

Scores of three, four or five on the following examinations assure the entering student of both advanced placement and credit: American History, Studio Art, Art History, Calculus AB, Calculus BC, Chemistry, Computer Science, English Composition and Literature, English Language and Composition, European History, Music, Physics B and Physics C. Credit and placement are granted for scores of four or five on Biology, French, German, Latin, Psychology and Spanish examinations.

### **College Level Examination Program**

Saginaw Valley State University also participates in the College Level Examination Program of the College Entrance Examination Board and grants credit for both General and Subject Examination. See "Credit by Examination" for detailed policy.

## **Veterans Educational Benefits**

SVSU certifies enrollment for students eligible for U.S. Department of Veterans Affairs educational benefits. Students must be admitted to SVSU as a degree-seeking or guest student. Students using veterans' educational benefits for the first time should contact the U.S. Department of Veterans Affairs to obtain a certificate of eligibility. Students transferring from another institution may complete the appropriate forms in the Registrar's Office. Students eligible for veterans' educational benefits should contact the Registrar's Office Certification Clerk when registering for each term.

Students receiving veterans' benefits are expected to maintain academic progress according to the criteria listed below.

1. Undergraduate degree students receiving veterans educational benefits will be checked for academic probation, for certification purposes, based on a 2.00 cumulative GPA instead of the sliding scale normally used to determine academic probation and dismissal. A student on V.A. academic probation has two semesters to achieve a 2.00 cumulative GPA before certification is denied. Certification will remain denied until cumulative GPA is raised to a minimum of 2.00. A graduate degree student must maintain a 3.00 cumulative GPA.
2. If a student receives a failing ("F" or "WF") or no pass ("N") grade for a course that has been certified for veterans educational benefits, the student must report in writing to the Associate Registrar the final day of attendance in the course. If this is not done, SVSU is required to report to the U.S. Department of Veterans Affairs that the last day of attendance was the first day of classes for that semester.
3. If a student withdraws from a certified course, officially (completing withdrawal form at Registrar's Office) or unofficially (walks away without notifying the Registrar's Office), the student must report in writing to the Associate Registrar the final day of attendance in the course. If this is not done, SVSU is required to report to the U.S. Department of Veterans Affairs that the last day of attendance was the first day of classes for that semester.
4. When a student using veterans educational benefits transfers to SVSU, we will inform the student and the Department of Veterans Affairs of the "credit for previous training." In addition, the student will be informed of the number of credits necessary to complete the program to which she/he was admitted.

## **Residency Classification for Tuition Purposes**

Residency status will be determined by the Registrar. However, the President is authorized to make exceptions within the spirit of this policy and is authorized to establish procedures and delegate authority for classifying and reclassifying students as Michigan residents or out-of-state residents.

It shall be the responsibility of the student to register under the proper residency classification, to advise the Office of the Registrar of possible changes in residency and to furnish all requested information.

Students who enroll at SVSU as non-residents shall continue to be so classified throughout their attendance unless the classification is changed as hereafter provided.

International students attending SVSU on F-1 or J-1 visas will not be considered for residency status.

## **Determination of Residency**

For the purposes of this policy, a resident student is defined as a student domiciled in Michigan for a period of at least six months, with the intention of making Michigan his or her permanent home, or entering Michigan from another state of residency for the purpose of accepting an offer of permanent employment in this state with the intention of making Michigan his or her permanent home.

A non-resident student is defined as one who is domiciled in another state or foreign country. A student shall not be considered domiciled in Michigan unless he or she is in continuous physical residence in this state and intends to make Michigan his or her permanent home, not only while in attendance at SVSU but indefinitely thereafter and has no domicile or interest to be domiciled in another state or country. Upon qualifying for Michigan residency, a student in attendance at SVSU may apply for reclassification.

Documented evidence of the following facts and circumstances, although not necessarily conclusive evidence of domicile in Michigan, will be considered in support of the claim of resident status:

1. Continuous presence in Michigan during a six-month period when not enrolled as a student.
2. Reliance upon Michigan sources for financial support.
3. Domicile in Michigan of family, guardian or other relatives or persons legally responsible for the student.
4. Ownership and occupancy by the student of a home in Michigan.
5. Payment of Michigan income tax as a resident.
6. An alien who has been lawfully admitted for permanent residence in the United States.
7. A legal alien and/or dependent(s) in possession of a valid United States H-1 or L-1 visa who enters the state of Michigan under the directive of his or her employer shall, upon submission of said visa and verification of said employment, be classified as a Michigan resident for tuition purposes as long as said visa remains valid.
8. A student who enters the state of Michigan from another state of residency for the purpose of accepting employment as a cooperative education student or a student intern with a firm or industry in the state of Michigan shall, upon submission of verification of said employment, be classified as a Michigan resident for tuition purposes during his or her tenure of said classification.

A student may submit any other pertinent evidence of intent to make Michigan his or her domicile after completion of college or university attendance. Each case is determined on its own particular merits.

## **Special Circumstances Affecting Michigan Residency**

A student who has been employed as a migrant worker in Michigan or whose parents have been so employed, will be granted resident status for purposes of tuition on the basis of proof of employment in this state for at least two months per calendar year in three of the five calendar years immediately preceding the initial enrollment of the student, or at least three months per calendar year in each of two of the five calendar years immediately preceding the initial enrollment. Enrollment in any of the summer terms constitutes one semester of enrollment.

If the family of a student with resident status moves out of Michigan the student will nevertheless maintain resident status for as long as he or she is continuously enrolled. Continuous enrollment is defined as enrollment

during at least two of three successive semesters. A student who withdraws will be regarded as having been enrolled, provided tuition was paid in full and the withdrawal occurred after the end of the refund period.

### **Appealing Residency Classification**

Students may appeal residency by filing an Application for Consideration of State Residency for Tuition Purposes with the Office of the Registrar (forms are available from the Admissions Office), along with documented evidence in support of residency. The application and supporting evidence will be submitted to the Tuition Classification Appeal Board for determination. To be considered, the appeal and all supporting documents must be submitted by the 15th calendar day of the term.

Reclassification shall be effective for the semester in which the appeal application was filed and for each semester thereafter, so long as the circumstances upon which the reclassification was based shall remain unchanged. Appropriate refunds shall be made following such reclassification. The Tuition Classification Appeal Board shall consist of the Vice President for Academic Affairs, the Vice President for Administration and Business Affairs and the Vice President for Student Services and Enrollment Management.

### **Payment of Costs Not Covered by Financial Aid**

Cash, personal and cashier's checks may be used to pay for University expenses at the Cashier's Office. Credit card payments are not accepted at the Cashier's Office. Payments can also be made online through Cardinal Direct with a credit card or electronic check. For additional payment information, go to [http://www.svsu.edu/controller/index.cfm?doc\\_id=1251](http://www.svsu.edu/controller/index.cfm?doc_id=1251) . Another alternative is the Cardinal Payment Plan. The Cardinal Payment Plan allows you to education and/or housing expenses on a monthly basis instead of larger, single-semester payments. The total plan amount will be divided over a period of months, determined by your enrollment date. For further details related to the Cardinal Payment Plan, please go to <http://www.svsu.edu/cpp> or contact Student Financial Services at (989) 964-4210 or the Cashier's Officer at (989) 964-7406.

### **Costs**

The current tuition and fee schedule is available online: [www.svsu.edu/controller/index.cfm?doc\\_id=1423](http://www.svsu.edu/controller/index.cfm?doc_id=1423) . The Office of Scholarships and Financial Aid provides estimates of the costs of attendance to assist with financial planning: [www.svsu.edu/financialaid/index.cfm?doc\\_id=634](http://www.svsu.edu/financialaid/index.cfm?doc_id=634) .

### **Scholarships and Financial Aid**

The Office of Scholarships and Financial Aid is located in 141 Wickes Hall. The telephone number is (989) 964-4103. The E-mail address is [financial-aid@svsu.edu](mailto:financial-aid@svsu.edu).

A variety of financial aid programs are available to help finance your education.

While most financial assistance is distributed on the basis of established financial need, many scholarships and awards are available for qualified students regardless of their financial status.

Each application is considered on an individual basis.

The Office of Scholarships and Financial Aid will create a financial aid package that can include scholarships, grants, loans and student employment to make your education possible.

## **SVSU Scholarships**

Saginaw Valley State University offers a variety of scholarships (a sample is listed below). For an additional list of scholarships, please go to SVSU's financial aid website at [www.svsu.edu/financialaid](http://www.svsu.edu/financialaid).

SVSU Athletic Scholarship  
SVSU Award for Excellence Scholarship  
SVSU Community College Scholarship  
SVSU Equity Grants  
SVSU Fine Arts Awards  
SVSU Foundation Scholars Program  
SVSU Horizon Scholarship (Canadian Students)  
SVSU Indian Tuition Waiver  
SVSU Marching Band Scholarship  
SVSU Presidential Scholarship  
SVSU University Scholarship

A substantial number of additional scholarships based on merit or need are awarded through the Office of Scholarships and Financial Aid. For further information on these scholarships and other financial aid assistance, refer to SVSU's financial aid website, or contact the Office of Scholarships and Financial Aid.

## **Grants**

Saginaw Valley State University also offers the SVSU Opportunity Grant for students who demonstrate financial need.

## **Federal Programs**

Saginaw Valley State University participates in the following U.S. Department of Education federal programs:

- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant
- Federal College Work/Study
- Federal Direct Subsidized and Unsubsidized
- Federal PLUS Loan (Parent Loan for Undergraduate Students)

## **State of Michigan Programs**

Saginaw Valley State University participates in the following state of Michigan programs:

- Michigan Alternative Loans (MI-Loan)
- Michigan Competitive Scholarship
- Michigan Educational Opportunity Grant
- Michigan Merit Award
- Michigan Work/Study Program

## **How to Apply for Financial Aid**

- Apply and be accepted for admission to SVSU as a degree seeking student. On-line admission is available at [www.svsu.edu](http://www.svsu.edu).

- Submit the Free Application for Federal Student Aid. Although some scholarships do not require submission of the FAFSA, SVSU strongly recommends its submission in order to maximize award eligibility.
- The application form is available at high school guidance offices, community college financial aid offices and the Office of Scholarships and Financial Aid. You also can apply on-line at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).
- Because funds will be awarded on a first-come, first-served basis, it is to your advantage to apply as soon after Jan. 1 as possible.
- **SVSU's Federal School Code is 002314.**

Complete your file at the Office of Scholarships and Financial Aid:

- Once the Office of Scholarships and Financial Aid is notified by the U.S. Department of Education of your completed application, processing of your financial aid award eligibility will begin.
- Respond to any inquiry or request from the Office of Scholarships and Financial Aid promptly so your financial aid processing can proceed.
- Notify the Office of Scholarships and Financial Aid if you receive or expect to receive a scholarship or award from a source other than Saginaw Valley State University.

The Free Application for Federal Student Aid must be filed each academic year. Returning students may complete either the renewal application or the FAFSA. You also can apply on-line at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Financial aid for each academic year could reflect changes due to funding levels.

### **Awarding Financial Aid**

Federal, state, SVSU grants and some SVSU scholarships are awarded to students after the financial aid file is complete; other awards are made based upon selection processes. Financial aid awards are based on the planned enrollment status reported on the FAFSA for the fall and winter.

Enrollment Status	Undergraduate Students	Graduate Students
Full time	12 or more	9 or more
Three-quarter time	9, 10 or 11 credits	N/A
Half time	6, 7 or 8 credits	5, 6, 7 or 8 credits
Less than half time	5 or fewer credits	

If students plan to obtain financial aid for the spring/summer semester, they must notify the Office of Scholarships and Financial Aid.

Students are notified of their financial aid awards through an Award Letter.

### **Satisfactory Academic Progress Policy for Scholarships and Financial Aid**

Satisfactory Academic Progress (SAP) must be maintained while receiving federal, state and institutional financial aid at Saginaw Valley State University. There are three measurements for Satisfactory Academic Progress: SVSU cumulative grade point average, percentage of attempted courses completed, and maximum credit hours needed in which to complete a degree. Students must meet all three measurements. Students are reviewed at the end of the winter semester. Failure to maintain Satisfactory Academic Progress will result in cancellation of eligibility to receive funds from federal, state, or university programs.

## **Policy**

Undergraduate student requirements:

- Maintain a 2.00 cumulative grade point average.
- Complete and pass 75 percent of credits attempted from Spring through Winter semesters.
- Program completion must be by 186 credit hours.

Graduate student requirements:

- Maintain a 2.00 cumulative grade point average or meet the academic standards required by departments whichever is higher.
- Complete and pass 75 percent of credits attempted from Spring through Winter semesters.
- Program completion must be by 54 credit hours.

## **Probation**

Students who do not meet the above requirements of Satisfactory Academic Progress, are placed on financial aid probation for one academic year. The student can receive federal, state and institutional financial aid during probation. The program completion requirements are mandatory and have no probation period. Program completion for undergraduate students is 186 completed credit hours; program completion for graduate students is 54 completed credit hours.

## **Financial Aid Cancellation**

A student will not be eligible for financial aid if any of the following has occurred:

- If the student does not meet the SAP requirements following one year of probation.
- If a student has met the maximum number of credit hours to complete a program.

## **Repeat Courses**

Courses repeated will count toward the determination of full-time or part-time enrollment status. Repeat courses will not, however, add to a student's cumulative credit hours earned unless the student did not pass the course(s) in earlier efforts. If a student earned credit hours prior to the repeat, the hours cannot be counted a second time. The new GPA may have an effect on a student's eligibility.

## **Non-Credit Courses and Non-Degree Courses**

Students enrolled in non-credit courses or non-degree courses in which the full tuition rate is charged, may use the credit hours for determination of full-time or part-time enrollment status. Non-credit courses numbered below 100 level of the basic skills requirements (ENGL 080, ENGL 082, MATH 081, MATH 082) can be used to meet the credit hour requirement of this policy. Non-degree courses cannot be used to meet the credit hour requirement.

## **Incomplete Courses**

Incomplete courses do not count toward satisfying the credit hours completed requirement. Incomplete courses do not influence the GPA in the semester in which they are taken. They are, however, counted once they are completed.

## **Appeal Process**

Students may appeal the decision to cancel financial aid based on the following circumstances:

- The student became very ill or severely injured.
- A death of a relative.

Students must submit a financial aid reinstatement form and supportive documentation. A reinstatement form is available from the Office of Scholarships and Financial Aid. Applications for reinstatement must be received in the Office of Scholarships and Financial Aid by the deadline of the Late Registration and Add/Drop period for the semester in which the appeal or reinstatement is requested. Applications received after the deadline date will be processed for the following semester. Decisions are made within 10 business days after receipt. Students will be notified in writing.

## **Reinstatement of Scholarship and Financial Aid Eligibility**

A student who loses federal, state and institutional financial aid may regain eligibility when satisfactory academic progress standards are met. This means that the SVSU GPA must be at the appropriate level and the required number of credit hours must be completed at the student's expense. To satisfy the credit hour requirement, a student can attend another institution and transfer credits back to SVSU. Contact an SVSU academic advisor if you plan to attend another institution and transfer credits back to SVSU. After the required number of credit hours has been completed, the student can apply for a reinstatement of financial aid. The student must complete a Financial Aid Reinstatement Form available from the Office of Scholarship and Financial Aid. Retroactive payments will not be made for semesters in which a student was not eligible for financial aid.

Students who have questions concerning the Satisfactory Academic Progress Policy are advised to see a Financial Aid Advisor.

## **Degree Requirements and Registration**

### **Degrees**

The Bachelor of Applied Studies (B.A.S.) is conferred upon those with an approved degree in technical or career oriented fields who wish to complete a bachelor's degree, but whose academic or career needs do not mandate a regular baccalaureate degree program.

The Bachelor of Arts (B.A.) is conferred upon those who fulfill the requirements in these majors: art\*, communication, communication and theatre education, criminal justice, graphic design, economics\*\*, elementary education, English\*, French\*, history\*, international studies, music\*, physical education\*, political science, political science-public administration, psychology, sociology, Spanish\*, special education\*, and theatre.

The Bachelor of Science (B.S.) is conferred upon those who fulfill the requirements in the following majors: applied mathematics, athletic training, biochemistry, biology\*, business-chemistry, chemical physics, chemistry\*, computer information systems, computer science, engineering technology management, exercise science, health science, mathematics\*, medical technology, optical physics and physics\*.

The Bachelor of Business Administration (B.B.A.) is conferred upon those who fulfill the requirements in these majors: accounting, economics\*\*, finance, general business, industrial management, international business, management and marketing.

The Bachelor of Fine Arts (B.F.A.) is conferred upon those who wish to be fully prepared professionals in visual arts and receive credentials for acceptance in professional associations that control participation in various fields in the visual arts.

The Bachelor of Professional Accountancy (B.P.A.) is conferred upon those who fulfill the requirements of this 150-credit program.

The Bachelor of Science in Electrical Engineering (B.S.E.E.) is conferred upon those who fulfill the requirements in the electrical engineering major.

The Bachelor of Science in Mechanical Engineering (B.S.M.E.) is conferred upon those who fulfill the requirements in the mechanical engineering major.

The Bachelor of Science in Nursing (B.S.N.) is conferred upon those who fulfill the requirements in the nursing major.

The Bachelor of Social Work (B.S.W.) is conferred upon those who fulfill the requirements in the social work major.

The Master of Arts in Teaching (M.A.T.) is conferred upon those who fulfill the requirements for the degree.

The Master of Education (M.Ed.) is conferred upon those who fulfill the requirements for the degree.

The Master of Arts (M.A.) is conferred upon those who fulfill the requirements for the degree.

The Master of Business Administration (M.B.A.) is conferred upon those who fulfill the requirements for the degree.

The Master of Science (M.S.) is conferred upon those who fulfill the requirements for the degree.

The Master of Science in Nursing (M.S.N.) is conferred upon those who fulfill the requirements for the degree.

The Master of Science in Occupational Therapy (M.S.O.T) is conferred upon those who fulfill the requirements for the degree.

The Education Specialist (Ed.S.) is conferred upon those who fulfill the requirements for the degree.

\*Major is approved for secondary teaching certification; see College of Education.

\*\*Students majoring in economics may receive either a B.A. or B.B.A. degree.

## **Baccalaureate Degree Requirements**

Graduation requirements for baccalaureate degrees are based on the regulations and requirements printed in the catalog in effect at the time of a student's initial registration at Saginaw Valley State University. A catalog published after initial registration may be chosen by the student when it is to his or her advantage, but the entire set of graduation requirements listed in any one catalog must be used. The time limitation on this provision is that no student may graduate under the requirement of a catalog published more than six calendar years prior to the date of graduation. Readmitted students are subject to all regulations and requirements of the catalog current at the time of re-enrollment. The degree requirements in the 2006-07 catalog expire on completion of the spring/summer 2013 semester.

### **Summary of Baccalaureate Degree Requirements**

1. Satisfy University Basic Skills requirements in reading, writing and mathematics.
2. Satisfy University General Education requirements.
3. Satisfy departmental requirements for a major and a minor or an interdisciplinary major (no minor required) or two majors.
4. Complete at least 6 upper division (300-400 level) credits in the major from SVSU; complete at least 3 credits at the 200 level or higher in the minor from SVSU.
5. Complete 42 credits of course work at the upper division (300-400) level.
6. Complete a minimum of 124 credit hours (at least 31 credits must be taken at SVSU).
7. Earn a 2.00 cumulative GPA with a grade of "C" or better in all Basic Skills, major and minor courses.

### **Credit Hours Needed**

Saginaw Valley State University operates on a trimester system of three 15-week semesters: fall, winter and summer (divided into a seven-week spring session and a seven-week summer session). Each degree requires the fulfillment of the academic residency requirement (see below) and the completion of a minimum of 124 credits of academic work and must include 42 credits of upper division work (300 and 400 level courses).

Students pursuing a second SVSU undergraduate degree must complete a minimum of 31 additional credits beyond the first degree and also fulfill all requirements listed for a different major than from the first degree.

### **Academic Residency Requirement for All Bachelor's Degree Programs**

All candidates for baccalaureate degrees are required to take at least 31 credits at Saginaw Valley State University and the last semester must be on campus.

At least six upper division credits in the major field and at least three credits at the Sophomore or higher level in the minor field must be completed at SVSU.

### **Grade Point Requirement**

Each candidate for a degree must have a grade point average of not less than 2.00 ("C" average).

### **Basic Skills Course Requirement and Course Placement Tests**

Each student must satisfy basic skills course requirements for mathematics, reading and writing. Placement into or exemption from the required courses in mathematics, reading and writing will be determined by results of the ACT and/or course placement tests. Students who feel they have received an inappropriate placement may request additional assessment from Academic Advisement Center and/or the appropriate department chairperson. For transfer students, placement into or exemption from these required courses also may be determined by the results of the Transfer Evaluation Report (TER).

Students should view entry and college-level basic skills as minimum standards and continue to develop their skills in reading, writing and mathematics throughout their college careers. Although computer literacy is not a basic skills requirement at Saginaw Valley State University, students are strongly advised to become computer literate.

A student must have completed basic skills requirements, or have appropriate courses in each of the three sequences in progress by the time the SVSU total of registered credits reaches 12, and continue in the appropriate courses each succeeding semester until the requirement is satisfied in full. Failure to meet this requirement will block registration. Authorization to register without meeting this requirement may be given, in extenuating circumstances, only by an advisor in the Academic Advisement Center.

### **Basic Skills Course Requirements**

**Math:** Basic Mathematical Skills (Math 081), and Beginning Algebra (MATH 082)

**Reading:** One of the three sets of the following courses, depending on placement: 1) Foundations for College Reading and Learning (English 082) and College Reading and Learning (English 103); 2) College Reading and Learning (English 103); 3) Strategies for Academic Success (English 104).

**Writing:** Writing Skills (English 080) and Composition I (English 111).

Students may satisfy the basic skills course requirements in one of the following ways:

- Completing these courses with a satisfactory grade (“P” or minimum of “C”):
- Transferring appropriate coursework from another college or university. Equivalent coursework for transfer students is indicated on the Transfer Evaluation Report (TER) provided by the Registrar’s Office upon completion of the review of transcripts from the previous institution(s). Early submission of transcripts from the previous institution(s) is encouraged for appropriate and timely course placement.
- Meeting the required ACT College Assessment score for a course waiver.
- Meeting the required SVSU course placement test score for a course waiver.

For more information on course placement, call the Academic Advisement Center, 117 Wickes Hall, at (989) 964-4286.

### **Math Course Placement**

Students will be placed into math courses according to this scale:

ACT Math Score	Course and Test Requirements
17 & below	Students will be placed in Basic Math Skills (MATH 081). The student can request to take the Mathematics Placement Test, which may lead to a higher placement; however, no retest is permitted. See below for process.
18 to 26	The student will take the Mathematics Placement Test. Scores on this test will be used for placement in Beginning Algebra (MATH 082), Intermediate Algebra (MATH 103), or courses requiring MATH 103 as a prerequisite. The student can request a single retest. See below for process.
27 & above	Students with these scores can be placed in any class requiring MATH 103 as a

prerequisite and/or can request a Calculus Readiness Test. See below for process.

Transfer students who do not transfer appropriate coursework to SVSU, but do submit ACT College Assessment scores, will follow the scale above. Transfer students who do not transfer appropriate coursework to SVSU and who do not submit ACT scores must take the Mathematics Placement Test and will be placed in the same manner as students with scores of 17 and below who request to take the Mathematics Placement Test.

### Test and Retest Request Process

Requested tests and retests are coordinated by the Department of Mathematical Sciences and the Math Resource Center, scheduled by the Math Resource Center, and given on specific dates.

## Reading Course Placement

Students will be placed into reading courses according to this scale:

ACT Composite	High School GPA	Course and Test Requirement Score
16 & below	N/A	Students with these scores are required to take Foundations for College Reading and Learning (English 082) and College Reading and Learning (English 103).
17 to 21 or 22 & above	N/A Below 3.00	Students with these scores are required to take the Nelson-Denny Reading Test (NDRT). Reading placement will be determined by the results of the NDRT.
22 & above	Minimum 3.00	Students with these scores are not required to take reading courses or the reading placement test.

Transfer students who do not transfer appropriate coursework to SVSU, but do submit ACT College Assessment scores, will follow the scale above. Transfer students who do not transfer appropriate coursework to SVSU and who do not submit ACT scores must take the Nelson-Denny Reading Test (NDRT). A student who transfers to SVSU with 62 or more credits is exempted from English 082.

## Writing Course Placement

Writing course placement will be based on appropriate scores on authorized assessments, such as ACT. All SVSU students (except those who transfer appropriate course work to SVSU) must submit a score on an authorized assessment to determine writing course placement.

Currently, students with ACT verbal scores of 16 or higher are placed in ENGL 111; students with scores below 16 are placed in ENGL 080 or in linked sections of ENGL 080 and ENGL 082.

## General Education Requirements

General education refers to that part of a student's education that contributes to the breadth of knowledge needed to be a more effective citizen of a complex and culturally diverse world. It supports the student with the skills and perspectives that will not always be gained from a specialized program of study and provides a basis for a common educational experience all students and graduates of the University can share. It is intended to help each student become more broadly knowledgeable, adaptable, and capable in their many life roles. By graduation, students will have been given opportunities to develop their insight, creativity and intellectual

curiosity, as well as analytical and critical skills. The General Education Program is designed to develop in each student:

- Appreciation of a wide range of perspectives and experiences
- Acquaintance with the many ways of experiencing and acquiring knowledge
- Broad knowledge about the human and natural world
- Understanding of the structure and order of the natural world, including human thought processes
- Appreciation of the arts for aesthetic value and for their usefulness in exploring complex human truths
- Knowledge of the history of civilizations
- Competence in communication
- Exploration and development of individual values and ethics

The major goal of General Education, therefore, is to develop students' capacity to think critically, reason logically, and communicate effectively in a wide range of disciplines beyond their major field.

A general education program cannot satisfy all of an individual's lifelong general education needs. SVSU's General Education Program enhances the graduate's ability to learn and function as an educated person in the many demanding roles of contemporary life.

The General Education Program comprises 35 credit hours in 10 categories, each with a learning objective, a required number of credit hours, and an approved group of courses from which to choose. Two courses chosen from Categories 2 through 8 must be communication intensive (designated [CI]). Categories 3, 9 and 10 must be completed in the student's first 75 credit hours.

### General Education Requirements

Student Objectives	Content Areas/ Credit Hours	Select from:
1. To read major literary works critically with appreciation and understanding.	Literature 3 credits	ENGL 202, 203, 204, 205; MFL 205; PHIL 220
2. To appreciate the arts; to understand the arts as vehicles for human expression.	Arts 3 credits	ART 100; MUS 117 (A,B,C,D,E); THEA 128A, 128B [CI], 136, 137 [CI]
3. To understand and manipulate numerical data; to respond to arguments and positions based on numbers and/or statistics.	Numerical Understanding 4 credits	CS 280 [CI], ECON 235; MATH 120 (A,B), 125, 132 (A,B), 140, 161 PS 225 [CI]; PSYC 299; SOC 225
4. To understand basic scientific concepts; to appreciate how these concepts are verified through experimentation and observation; and to become knowledgeable and responsible citizens in dealing with the challenges of a sophisticated technological society.	Natural Sciences 7 credits	Minimum of two departments; must include at least one laboratory course. BIOL 104 (A,B), 105 (A,B,C), 111 (A,B,C); CHEM 102 (A,B), 111/111L; GEOG 101 [CI], PHYS 106(A,B,C), 107, 111/111L, 211/211L
5. To identify and subject to analysis the significant ideas and events of human history by understanding cause and effect relationships through historical and logical investigation, narration and synthesis.	Historical and Philosophical Ideas 3 credits	HIST 100 (B,C,D,E), 110 [CI]; PHIL 123, 205 (A,B) [CI], 210 (A,B), 230, 280

6. To analyze and interpret social phenomena and human thought processes using the techniques and procedures of the social sciences.	Social Sciences 3 credits	ECON 125; GEOG 202 [CI], PS118 [CI]; PSYC 100; SOC 112
7. To identify, describe and understand the workings of important social, economic and political institutions and the relationship of the individual to these institutions.	Social Institutions 3 credits	ECON 221; LAW 208 [CI]; PS123; SOC 111
8. To understand the nature of significant international systems and to step outside of the constraints of one's own society.	International Systems 3 credits	GEOG 201; HIST/PHIL 213, 215; HIST 220; PS 130 [CI]; SOC 280 [CI]
9. To develop greater proficiency in English or a foreign language in general and discipline-specific settings.	Oral Communication 3 credits	COMM 105 (A,B,C); MFL 111, 112, 211 (FREN; GER, SPAN; PLSH); THEA 255
10. To write effective, researched academic texts in English.	Written Communication 3 credits	ENGL 212; HIST 111; HUM 210; PHIL 114; PS 112

NOTE: English 111 is prerequisite to all courses in Objective Categories 1 and 10 and for all courses with a CI suffix. Students are required to complete two "CI" courses from Objective Categories 2 through 8. Requirements for Objective Categories 3, 9, and 10 must be completed within a student's first 75 credit hours or registration will be blocked.

## Majors and Minors

Each candidate for a bachelor's degree must complete a major and a minor, two majors, or an approved interdisciplinary major. Check respective department listings for credits and course requirements for majors.

The University will grant a limited number of interdisciplinary degrees of an experimental nature. A student who wishes to pursue such a program may submit a proposal to the Vice President for Academic Affairs, who will confer on the feasibility of the proposal with the Curriculum and Academic Policy Committee. Such proposals must be approved before the Senior year; approved copies must be deposited in the student's folder.

Courses with "D" grades may not be used to meet requirements for majors or minors. Cognate courses with "D" grades may not be used to meet requirements for the majors.

**The College of Arts and Behavioral Sciences** offers undergraduate courses in the following disciplines: art, communication, criminal justice, English, foreign languages (French, German, Latin, Polish or Spanish), history, music, philosophy, political science, psychology, social work, sociology, theatre and youth services. Majors may be completed in: art\*, communication\*, criminal justice\*\*, graphic design, English (literature, creative writing, professional and technical writing)\*, French\*, history\*, international studies, music\*, political science, political science-public administration, psychology, social work\*\*, sociology, Spanish\* and theatre\*.

Minors may be completed in: art†, communication†, graphic design, English†, English-creative writing, English-professional and technical writing, French†, gender studies, German†, geography†, history†, music†, philosophy, political science†, Polish, psychology†, public administration, sociology†, Spanish†, theatre† and youth services.

**The College of Business and Management** offers undergraduate courses in the following disciplines: accounting, economics, law, finance, management and marketing.

Bachelor of Business Administration (B.B.A.) candidates may complete majors in: accounting\*\*, economics\*\*, finance\*\*, general business\*\*, industrial management\*\*, international business\*\*, management\*\*, and marketing\*\*.

Bachelor of Professional Accountancy (B.P.A.) candidates may complete a major in accounting\*\*.

Bachelor of Arts (B.A.) candidates may complete a major in economics.

Non-B.B.A. students may complete majors in economics, finance, industrial management, management or marketing as second majors (no minor is required with a double major).

B.B.A. candidates may complete minors in: accounting, economics, entrepreneurship, finance, legal studies, management and marketing and disciplines from other colleges.

Non-B.B.A. candidates may complete minors in: accounting, economics†, entrepreneurship, finance, general business, legal studies, management and marketing.

**The College of Education** offers undergraduate courses in the disciplines of education and kinesiology.

Candidates for a B.A. in elementary education must complete expanded General Education requirements instead of an academic major, and must complete special academic minor requirements specified in the College of Education section. Candidates for secondary teaching certification must choose a major in art, biology, chemistry, communication and theatre, English, French, history, mathematics, music, physical education, physics, Spanish or special education; and must choose a minor in art, biology, communication and theatre, chemistry, economics, English, French, German, history, mathematics, physical education, physics, political science, psychology or sociology.

The Department of Kinesiology offers majors in physical education, exercise science, and athletic training; and minors in athletic coaching, physical education†, and adapted physical education.

**The Crystal M. Lange College of Nursing and Health Sciences** offers undergraduate courses in the disciplines of health science and nursing, and rehabilitation.

Majors may be completed in: medical technology\*\*, nursing\*\* and health science..

Minors may be completed in gerontology and health science.

**The College of Science, Engineering and Technology** offers undergraduate courses in the disciplines of biology, chemistry, computer science, electrical engineering, mechanical engineering, mathematics and physics.

Majors may be completed in: applied mathematics\*\*, biochemistry\*\*, biology\*, business-chemistry\*\*, chemical physics\*\*, chemistry\*, computer information systems, computer science, electrical engineering\*\*, engineering technology management, mathematics\*, mechanical engineering\*\*, optical physics and physics\*.

Minors may be completed in: applied mathematics, biology†, chemistry†, computer information systems, computer science, electrical engineering, engineering and technology, mathematics†, mechanical engineering and physics†.

\*Approved major for secondary teaching certification

†Approved minor for secondary teaching certification

\*\*Interdisciplinary major; no minor required

## **Application for Degree**

Each degree candidate must file a written application with the Registrar's Office. Deadlines are posted on the Registrar's Office site at [www.svsu.edu](http://www.svsu.edu). A degree application fee is charged. All correspondence and official transcripts must be on file with the Registrar at the time the application is submitted. All "Incomplete" grades must be removed to qualify students to graduate. Attendance at commencement is requested of all candidates completing degree requirements.

## **Graduation with Distinction**

To be eligible to graduate with distinction, an undergraduate degree recipient must complete 62 credits at SVSU and achieve a grade point average listed below. At least 45 of these SVSU credits must be in courses graded on an A-B-C-D-F scale.

Cum Laude	3.40 -3.59
Magna Cum Laude	3.60 -3.79
Summa Cum Laude	3.80 -4.00

## **Semester Honors**

The Deans' List is produced at the end of each fall and winter semester. It is composed of students in SVSU undergraduate degree programs who have earned a minimum grade point average of 3.40 in at least 12 credits of 100-level or above course work graded on an A-B-C-D-F scale. Inclusion on the President's List requires a 4.00 grade point average in at least 12 credits of 100-level or above course work graded A-B-C-D-F.

## **Time Demands of College Courses**

The faculty and administration of SVSU hope that each course taken by students is a worthwhile and productive experience. That outcome will require an investment of time. Many, if not most, SVSU students are employed, and cannot afford to stop employment while they go to school. Many also are parents, and/or face other demands on their time. When planning course load, the information below will help take into account the time required for course work.

The general guideline is that for every credit taken in class, students need to study approximately two additional hours every week. This amount of effort usually is needed to maintain and perform at reasonable standards. Overall, students should consider that a course load of 12 credits is equivalent to a full-time, 40-hour-per-week job. If, for example, a student is employed 30 hours per week and is taking 12 credits in school, that student will be working 70 hours total per week — with school and employment combined. At least that will be true if the student wants to do reasonably well in classes. This guideline is a low estimate; some students may need to spend more time, depending on the nature and difficulty of the particular course, knowledge of prerequisite material, studying efficiency, and other factors. This guideline is a common standard used at many universities nationwide. Students at Saginaw Valley State University can maximize the quality of their education by following this formula.

## **Grading Scale and Policies**

Progress records are maintained by the institution and posted to the student's online account at the end of each term. The grading system is:

- A (4 honor points) outstanding achievement
- A (3.7 honor points) outstanding achievement

B+	(3.3 honor points) very good achievement
B	(3 honor points) very good achievement
B	(2.7 honor points) above average achievement
C+	(2.3 honor points) average achievement
C	(2 honor points) average achievement
D	(1 honor point) poor achievement
	(credit does not apply to basic skills, major/minor)
F	(0 honor points) failing
	(credit is counted in the grade point average but not as credit earned)
P	successful completion at “C” or better level for course taken as Pass/Fail or Pass/No Credit (credit is counted as credit earned but not in the grade point average)
AU	audited course for no credit
N	no credit earned for a course taken as Pass/No Credit
I	incomplete work still in progress
W	withdrawal after the end of the add/drop period through the ninth week of a semester
WP	Withdrawal passing in the 10 <sup>th</sup> or 11 <sup>th</sup> week of the semester
WF	(0 honors points) withdrawal failing in the 10 <sup>th</sup> or 11 <sup>th</sup> week of a semester (credit is counted in the grade point average but not as credit earned)

No course may be dropped after the eleventh week of the semester except in cases of documented personal emergency. Proportional dates will be used for courses of shorter duration.

A grade of “D” is not a passing grade for any required course. Regarding prerequisites, students must obtain at least a “C” grade in all prerequisite courses before being permitted to enroll in subsequent courses.

Grade changes may be made only for a certified error on the part of University faculty or staff.

A course may be repeated at SVSU to raise a grade. All grades shall remain on the student’s academic record (transcript), but in computing the GPA, the better grade will be counted.

A course taken at SVSU may only be repeated at another institution if the course is an equivalent course at SVSU, the initial course grade at SVSU was a D, F or WF, and a grade of C or better is earned in the repeated course. There will be no transfer of the grade earned from the other institution and no recalculation of the SVSU GPA.

No course can be repeated at SVSU more than twice for a grade. Appeals for additional repeats may be made to the dean of the appropriate college.

In specified courses, students have the option of being graded on a pass/fail basis. This option requires permission of the instructor and must be recorded in the Registrar’s Office by the end of the second week of the semester or proportional times for shorter semesters.

Grades in transferred courses are not included in calculating the SVSU grade point average. Transfer credit will be removed if equivalent course work is taken through SVSU or any other transfer institution.

## **Incompletes**

A student may request of his/her instructor, through the last day of the final examination period, that he or she be given an "I" (Incomplete) grade. The instructor is authorized to give an "I" if it is deemed that the failure to complete work on time occurred for reasons beyond the student's control, or that the student is engaged in an individual research project that requires a second semester for completion.

Unless a course is designated directed study, reading or research, the deadline for completing work shall be the end of the fourth week of the next semester. If no other grade is submitted by the instructor at the end of the fourth week, the Registrar will record the default grade specified by the instructor at the time the "I" was given. When no default grade is specified by the instructor at the time the "I" is given, the final grade will become "F" unless the instructor records a different grade by the end of the fourth week of the following semester. On rare occasions, when a pro-longed illness or other clearly unavoidable circumstance prevents the student from completing his or her work, the Registrar is authorized to replace the "I" with a "W" indicating withdrawal. Students who have enrolled in directed study, reading or research courses may continue their projects to the end of the next semester with the instructor's written approval.

## **Undergraduate Academic Probation and Dismissal**

Students are expected to devote sufficient time and effort to their course work to maintain at least a 2.00 ("C") average. However, a period of adjustment to the standards of the university classroom is afforded to Freshmen and first semester Sophomores. All students failing to maintain a "C" average (unless they have been admitted or readmitted on a probationary basis) will be given at least one semester's warning (probation) before they are required to terminate enrollment.

A student will be placed on probation if he/she has either 12 GPA credits or 12 credits earned, but has failed to meet the following grade point average requirement:

12-24 credits	1.70 GPA
25-36 credits	1.90 GPA
37 or more credits	2.00 GPA

The student is removed from probation when his/her cumulative grade point average rises above these levels. The student is continued on probation if the semester average is 2.00 or higher but the cumulative grade point average has not attained the minimum standards of the graduated scale above.

Students will be dismissed from the University if, while on academic probation, they fail to attain a 2.00 semester grade point average.

Students who have been academically dismissed from the University for the first time and who have a 1.80-1.99 cumulative grade point average may appeal to the Registrar for reinstatement. Reinstatement is not automatic, but each case is reviewed on an individual basis. This appeal must be in writing and the appeal interview must be heard by the last day of regular registration each semester. All other students who have been academically dismissed may appeal after a lapse of one semester and successful completion of college level work at another accredited institution.

Students who have been academically dismissed and have remained disenrolled for at least two semesters may request readmission from the Office of the Registrar. Readmission is discretionary with the Registrar and, if granted, will be on terms of academic probation. Degree requirements will be based on the catalog in use during the semester of readmission.

Students who have been academically dismissed more than once must remain disenrolled for at least two semesters (spring/summer sessions count as one semester) before being eligible to apply for readmission. Readmission is discretionary with the Registrar and, if granted, will be on terms of academic probation. Readmission may be contingent upon agreeing to terms of a behavioral contract.

### **Suspension and Dismissal for Other Than Academic Reasons**

The University reserves the right to suspend or dismiss any student at any time such action is deemed advisable. However, the University statement on due process protects students against arbitrary termination of enrollment. Saginaw Valley State University reserves the right to suspend or cancel classes or other University functions for any reason.

### **Course Numbering**

Courses are numbered as follows:

#### Lower Division

000 level	Remedial*
100 level	Freshman
200 level	Sophomore

#### Upper Division

300 level	Junior
400 level	Senior

#### Graduate

500-600 level	Graduate
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The number in parentheses that follows each course title indicates the number of credits that may be earned in the course. Class hours, if different from credits, are indicated at the end of the course description. Where there are two numbers, the first represents hours of lecture, the second, hours of laboratory.

\*Credits earned in remedial courses (000 level) will not apply toward the credits required for graduation. However, they will count toward determining “full load” for students receiving financial aid.

### **Registration**

Students who apply early have the convenience of selecting courses and registering during an advanced period with the assistance of an academic or faculty advisor. Detailed information about registration appears online at [www.svsu.edu](http://www.svsu.edu).

### **Add/Drop**

Students who need to add or drop a course should consult the current online registration schedule for detailed instructions. Courses may not be dropped online after the add/drop period. Courses may be dropped through the 11th week of a 15-week semester (see Grading). Accelerated courses have deadlines that are proportional to the length of the course.

The date on which a course is dropped is used to determine both grades and refunds and is recorded in the Registrar's Office. The recorded date is the one on which the drop form is returned during office hours with all required signatures (see Grading and Refunds). A student may register late during the add/drop period. A late fee is charged.

### **Class Standing**

Freshman	30 credits and under
Sophomore	31 -61 credits
Junior	62 -92 credits
Senior	93 credits and over

### **Course Load**

Undergraduate students carrying 12 or more credits per fall or winter semester and graduate students carrying nine or more credits are considered to be attending full time. Undergraduate students who desire to enroll in more than 18 credits per semester, or proportional credits for shorter sessions, must secure the permission of their academic dean.

### **Tutorials**

Academic credit can be earned for certain courses taken on a tutorial basis. Eligible courses are those listed in the University catalog and are required for degree completion but will not be offered prior to the student's expected graduation.

Under special circumstances tutorials also may be approved for course conflicts, for major and minor elective courses or for prerequisite courses. Ordinarily a tutorial may not be used to repeat a course. The student must be in good standing and obtain approval of the relevant faculty member, department chairperson and academic dean. Application forms are available from the Registrar's Office.

### **Directed Research/Reading**

Many departments offer the opportunity to earn academic credit for study or research on topics not covered by regular courses. The student works with a faculty member, who directs and monitors the learning process according to a plan of study submitted with the course application.

The student must be Junior standing or above, with at least a 3.00 cumulative grade point average, and obtain approval of the faculty member and the relevant department chairperson and academic dean. Not more than two courses in a semester, and 16 credits total, of directed research/reading courses may be counted toward graduation requirements. Any directed research/reading course required for the student's major or minor is not subject to the 3.00 cumulative grade point average limitation. Application forms are available from the Registrar's Office.

### **Credit by Examination**

Credit for certain courses listed in this catalog may be earned by passing a special proficiency examination and paying appropriate tuition and fees. Applications are available in the Registrar's Office and must be approved by the department chairperson and academic dean. The examinations will be administered by members of the SVSU faculty.

Credit may be granted for College Level Examination Program (CLEP) General Examinations and Subject Examinations. Contact the Registrar's Office for information about the available credit and minimum required scores.

## **Non-credit Courses**

Non-credit courses are those that do not involve grades or University credit. They provide practical, hands-on experiences for skills in the working world or for leisure-time pursuits. These courses usually are offered as a result of suggestions from the community or by faculty who wish to offer some area of expertise to the community without the pressures of grades or tests. The instructors for non-credit courses include faculty of SVSU as well as individuals from the community who have knowledge and skills to share.

## **Continuing Education Units**

SVSU participates with the National Registry to provide continuing education units for attendance at non-credit courses, conferences and seminars. Through this service, participants can obtain complete, comprehensive transcripts detailing their attendance at non-credit activities.

## **Tuition and Fees**

Current tuition and fee information is available at [http://www.svsu.edu/controller/index.cfm?doc\\_id=1423](http://www.svsu.edu/controller/index.cfm?doc_id=1423) . These charges are subject to change by action of the SVSU Board of Control.

## **Payment and Collection of Tuition, Fees and Other Obligations**

### **Overview:**

It is the stated policy of the University that tuition and fees must be paid in full by the published payment due dates for each academic semester.

### **Student Responsibilities:**

- Make payment by published payment due dates.
- Payment must be remitted in cash, check, e-check, credit card, or via credit of financial aid to a student's account or a combination thereof for the total amount due. Financial aid includes scholarships, grants, loans and third-party payment arrangements. Students receiving financial aid, furthermore, are responsible for any additional amounts which may subsequently be billed resulting from changes in financial aid awards.
- Students may participate in the SVSU Cardinal Payment Plan. Availability of and use of this plan is subject to plan terms and conditions. Go to <http://www.svsu/cpp> for further Cardinal Payment Plan details.

### **Approved Forms of Payment:**

You may find University approved forms of payment at [http://www.svsu.edu/controller/index.cfm?doc\\_id=1251](http://www.svsu.edu/controller/index.cfm?doc_id=1251) .

### **University Actions Involving Unpaid Accounts:**

- Course registrations for students who have not made payment in full by the payment due date will be canceled.
- Course registrations may be canceled by the University up to the end of the third week of classes for students with unpaid tuition and fee accounts including SVSU Cardinal Payment Plan delinquency.
- Students with unpaid accounts (tuition and fees, on campus housing, all other financial obligations) will be prohibited from enrolling in subsequent semesters. Advance registrations will be canceled for those students who incur an obligation subsequent to the advance registration period. Additionally, students with unpaid accounts are prohibited from receiving their University transcript or diploma and may be denied other University services.
- Delinquent accounts will be assigned to debt collection agencies. Collection agencies are authorized by the University to collect unpaid accounts in accordance with the Federal Fair Debt Collection Practices Act. The University also in some circumstances pursues legal action to secure a court ordered judgment as a means of collecting unpaid accounts.
- Delinquent account information is provided to national credit reporting agencies and may impact an individual's credit rating.

### **Withdrawal from the University**

Students who find it necessary to drop all classes must make arrangements in the Registrar's Office for official withdrawal from the University. These students may expect to be re-enrolled, provided they have not been academically dismissed.

### **Refund Policy**

Students who make schedule adjustments resulting in a credit hour load reduction or complete withdrawal from the University may be eligible to receive a refund of tuition and fees. Refunds for the fall and winter semesters will be computed as follows:

Class Week	Refund Percentages
End of First Week	100%
End of Second Week	75%
End of Third Week	50%
End of Fourth Week	25%

Refunds for the spring/summer semester or shorter term periods will be calculated proportionally in accordance with the above schedule.

Students receiving University administered scholarships and financial aid may be subject to special federal or other awarding agency refund requirements. Financial Aid recipients attending SVSU for the first time who receive assistance from Title IV federal programs may be eligible for a pro rata refund if they totally withdraw from school. Withdrawing students should contact the Office of Scholarships and Financial Aid for further information.

Withdrawal and drop procedures are posted online for each semester. Official dates pertaining to this process and office hours for the Registrar's Office also are posted online. Students must file a withdrawal or drop form

in the Registrar's Office to be eligible for refunds. The date used to determine refunds is the date on which the form is returned with all necessary signatures to the Registrar's Office.

Separate refund policies exist that apply to the death or serious illness of a student.

The University will provide, upon request, examples of the application of this policy. Such requests should be made in person or in writing to Student Accounting Services, Office of the Controller.

## **Transcript Service**

Transcripts of a student's academic record will be issued by the Registrar's Office when requested in writing by the student. A transcript fee will be charged. Current rates are listed online or are available by contacting the Registrar's Office. Except for the period between final exams and the end of the next term's add/drop period, transcripts are usually sent within 72 hours of receipt of the request. During the grading and registration period, extra time should be allowed for grades to be reported and recorded on the academic record. Transcripts are not issued for students with financial obligations to SVSU. Graduating students will receive a free copy of their final record.

## **Access to Records—The Family Educational Rights and Privacy Act (FERPA)**

University policy grants access by students to their educational records under the conditions that conform to the Family Educational Rights and Privacy Act of 1974, as amended. This policy is regulated by federal guidelines. Directory information may be published or released unless a student informs the Registrar's Office, in writing before the first day of classes each semester, that any or all items should not be released without prior consent of the student. The request to withhold directory information is valid to the end of August in the current academic year. Directory information is defined to include the student's name, address, telephone listing, E-mail address, date and place of birth, major field of study, dates of attendance, degrees, awards, and the most recent educational institution attended by the student. In addition, participation in officially recognized activities and sports, and weight and height of members of athletic teams will be considered as directory information.

## **In-class Use of Audio and Video Recording Devices**

Students must seek the permission of their instructor before using any audio or video recording devices to record lectures, discussions, etc. If such permission is granted, neither the resulting recordings nor any form of copies of transcripts of the recordings may be used for any other purpose than as a replacement for notes taken in class. Permission to make recordings will not be withheld if such recordings are reasonably necessary to accommodate a student's disability as defined by law.

## **Special Programs**

### **Roberts Fellowship Program**

The Roberts Fellowship Program funds six credits of advanced academic course work and other unique experiences for a select group of undergraduate students who have demonstrated a high level of academic accomplishment and commitment to campus and/or community service. The purpose of this scholarship program is to develop Fellows' potential for leadership and for distinguished achievement in their subsequent careers. Roberts Fellowship course work consists of two 3-credit seminars, one each in the Fall and Winter semesters, culminating in an international travel experience. The Roberts Fellowship also provides regular opportunities to meet and talk with visiting leaders in business, political life, education, the arts, and many other areas.

The first academic seminar is “Philosophical/Historical Leaders,” which examines models of leadership through the study of influential men and women, as well as theories about leadership, drawn from a range of sources and traditions. The second is “Contemporary Issues in Leadership,” which combines extensive practical case study analysis of organizational leadership problems with leadership issues in a broad, international context. The “Contemporary Issues” seminar culminates in an international travel experience. Admission to the Roberts Fellowship is extremely competitive. Additional information about the Roberts Fellowship Program is available from the Program Chairperson.

### **Off-Campus Courses**

Graduate education programs leading to the Master of Arts in Teaching (M.A.T.), the Master of Education (M.Ed.), and the Education Specialist (Ed.S.) are offered through the Macomb Regional Education Center. A selection of undergraduate courses is offered through SVSU’s Cass City Center. Teacher Certification Programs in Elementary and Secondary Education are offered through an extension program at St. Clair County Community College (Port Huron). These centers were created to provide educational opportunities for students who cannot easily travel to the home campus. Courses are taught on-site by qualified faculty. For more information about the Macomb programs, call (586) 749-0067. For information about the Cass City programs, call (989) 964-4200. For information about the St. Clair programs, call (810) 982-5530.

### **Honors Program**

The University Honors Program allows students to pursue their major and minor degree work, while providing enriched academic experiences in Honors courses, seminars, research projects, and social activities. The Honors experience enables students to work more intensively with active teacher/scholars and to participate in interdisciplinary courses. Honors students will have ample opportunity to develop as critical thinkers, active learners, and problem solvers.

Those who teach Honors courses are encouraged to experiment with course design and to collaborate with other teachers in the University. Honors courses are expected to broaden the contours of the classroom while always maintaining the highest of standards.

Honors students are especially encouraged to build community through their academic and extracurricular Honors experiences, to represent the Honors Program across the campus by holding key positions in clubs and student organizations. All of the above experiences combine to equip our Honors graduates for the challenges of graduate school.

### **Admission Process**

1. Students must have a 3.5 GPA for admission;
2. Students must have an initial interview with Chair of Honors and one Honors Committee member;
3. Students must submit a letter of recommendation from faculty or other knowledgeable source;
4. Students must submit a one-page writing sample at the time of application.

The Honors Committee will admit students given these criteria.

Transfer students with 60+ transfer credits may submit a portfolio as a waiver to a portion of the Honors courses. Portfolios must be approved by members of the Honors Committee.

### **Graduation Requirements: Honors Program**

1. Satisfy all Basic Skills and General Education requirements.

2. Maintain a minimum of 3.5 SVSU grade point average.
3. Produce a discipline-appropriate Honors Thesis, project, or presentation.
4. Complete at least four Honors courses, designated with an “H” on transcripts and as “Honors” in the Course Schedule, or by Honors –92 numbers. Students may seek a partial exemption by applying in writing to the Committee.
5. Complete at least 124 credits.
6. Complete an academic major and minor, if required.

## **International Programs**

Call 964-4473 or E-mail: [ois@svsu.edu](mailto:ois@svsu.edu)

The Office of International Programs works with incoming international students, American students interested in study abroad, and university and faculty exchanges. Students can earn SVSU credit while studying overseas through programs in Argentina, Australia, Austria, Chile, England, France, Germany, Ireland, Italy, Japan, Mexico, Poland, Spain, Taiwan, Turkey and other countries. Financial aid can be used to support these programs and foreign language is not required. More information is available at [www.svsu.edu/studyabroad](http://www.svsu.edu/studyabroad) . The English Language Program, located in 214 Brown Hall, provides quality intensive English instruction and academic preparation to non-native speakers of English who are seeking to enroll at institutions of higher education in the United States. The ELP is a member of the American Association of Intensive English Programs. For more information, visit [www.svsu.edu/intprog/esl](http://www.svsu.edu/intprog/esl) .

## **Pre-Professional Studies**

### **Pre-Law**

Saginaw Valley State University offers the necessary background courses for law school admissions, and our graduates with proper preparation have been successful in being accepted and graduating from accredited law schools. Law schools do not specify a particular major that students must complete as undergraduates. Consequently, any number of majors at SVSU can prepare students for the rigors of law school. To prepare for law school, students should take courses that develop their skills in the following areas:

- Writing
- Public Speaking
- Logical Reasoning
- Analytical Reasoning
- Historical Research
- Accounting Principles

Several majors have served students well in the past as preparation for law school. They have become traditional choices and can serve SVSU students as the foundation for their law school plans. These majors include the following:

- English
- History
- Communication
- Management
- Political Science
- Accounting

Students interested in law school should speak with one of several faculty and staff members designated as pre-law advisors. A list of these people and of curriculum suggestions is available in the Academic Advisement Center, 117 Wickes Hall.

## Pre-Medicine, Pre-Dentistry and Pre-Veterinary

Saginaw Valley State University offers all courses and advisement necessary to prepare the student for admission to medical, dental or veterinary school. Medical schools today are flexible about their requirements concerning the major field of study for the undergraduate student. However, most colleges have specific course requirements: one year of general chemistry, one year of organic chemistry, one year of biology, one year of physics and one year of English. (CHEM 111, 112; 111L, 112L; 230, 330, 231L, 331L; BIOL 111A, 111B, 111C; PHYS 111, 112; ENGL 111, 212.) Students interested in medicine as a career are advised to choose one of the many major fields of study offered by Saginaw Valley State University. Majors such as chemistry, biochemistry or biology particularly lend themselves to satisfying the specific course requirements noted above; however, if these courses are taken as electives, any other major also is suitable.

In addition, the student should take the appropriate Admissions Tests toward the end of the Junior year. Graduates of Saginaw Valley State University have been placed in all three of Michigan's medical schools. Students interested in medicine and associated programs should contact the faculty advisor for pre-medicine no later than their first semester of attendance at SVSU.

## Pre-Theology

Students who are considering a career in the ministry or priesthood should consult with a member of their chosen denominational clergy as soon as possible in order to learn more about the profession and its requirements and to assist in the selection of a seminary for postgraduate training (usually three years beyond the bachelor's degree). Admission policies vary, but most seminaries will accept any undergraduate major as long as the student has broad-based training in the social sciences, humanities and natural sciences. Recommended SVSU courses for pre-theological preparation include: HIST 111; MGT 321; PHIL 123, 210A/B, 315, 350; PSYC 100, 370; SOC 111, 360; and COMM 105A. The faculty advisor for pre-theology can provide additional counseling and course selection assistance.

## Resources and Services for Students

### Academic Advisement Center

Call 964-4286 or E-mail: [aacsvsu@svsu.edu](mailto:aacsvsu@svsu.edu)

The Academic Advisement Center provides various programs to help students reach their academic goals.

- Initial academic advisement, course registration and placement testing for all new undergraduates.
- Academic advisement for all continuing undergraduate students to include: course planning prior to registration; explanation of academic policies, rules and procedures; monitoring academic progress using a computerized degree audit; and assistance in choosing a major
- Appointments and walk-in advising are available.
- Academic tutoring by appointment in selected first and second year courses such as beginning accounting, biology, chemistry, economics, history, physics and psychology.
- Coordination of University Foundation Scholars Program, College Success Courses, Basic Skills Testing and Orientation Programs.

### Academic Orientation and Registration Program

Call 964-4200 or E-mail: [admissions@svsu.edu](mailto:admissions@svsu.edu)

All freshman and transfer students are required to attend an academic orientation and registration program prior to the start of classes. The program consists of three components: University placement testing; advising and registration; and presentations to help students succeed in the classroom. Materials to register for the programs will be sent to students admitted to the University.

### **Alumni Relations**

Call 964-4196 or E-mail: [alumni@svsu.edu](mailto:alumni@svsu.edu)

All Saginaw Valley State University graduates are eligible for membership in the SVSU Alumni Association. The Office of Alumni Relations is the link between alumni and the University community. The University and the Alumni Association Board seek to build loyalty and support among SVSU graduates through involvement in social, educational, cultural and political activities. Alumni are significant contributors to the continued growth and improvement of Saginaw Valley State University. Through professional and community experiences, alumni demonstrate the quality of Saginaw Valley State University, bringing distinction to the alumni body and their alma mater.

### **Bookstore**

Call 964-4262 or E-mail: [bookstore@svsu.edu](mailto:bookstore@svsu.edu)

The SVSU Bookstore, located in the Student Center, sells textbooks, paperbacks, class supplies, gifts and clothing.

### **Campus Dining Services**

Call 964-4253

SVSU offers food service for residential and commuter students, faculty, staff and campus guests. The RFoC, Einstein's food court, Apple Slice café, C-Store, Freshens and Java City offer a wide variety of choices to suit everyone's palate.

### **Campus Events**

Dates, times and locations of campus programs are available in the Student Life Center. Examples of events sponsored by the Student Life Center are Welcome Week activities, the Cards' Party, student leadership programs, Homecoming, student club fairs, Red Pride Family Day, and the Student Recognition Celebration. SVSU students are invited to attend or assist with any of these programs.

### **Student Organizations at SVSU**

The Student Life Center promotes student organizations at SVSU by:

- Providing a listing of student organization contact persons.
- Scheduling the Unity and Multipurpose rooms in the Student Center.
- Processing club application materials.
- Equipping each club with a mailbox.
- Allocating available office space to student organizations.
- Approving the posting of club notices.
- Offering activities designed to enhance club growth such as the Cards' Party, leadership training and student recognition events.

The SLC provides details about campus events, area events and almost any facet of campus life. Students can obtain weekly and monthly calendars listing University events, plus other materials published by the Student Life Center.

### **Campus Recreation**

Call 964-7295

Campus Recreation sponsors a variety of intramural, extramural and well-ness activities for students, faculty and staff. Numerous opportunities for competition, fun and fitness are available in the Ryder Center, which includes an indoor track; swimming pool; free-weight room; basketball, badminton, racquetball, and volleyball courts; and a dance studio. The Student Fitness Center in the Ryder Center features aerobic exercise equipment (e.g., treadmills, elliptical runners, stair climbers, and stationary bikes), and resistance training machines. Outdoor facilities include lighted tennis courts, an archery range and athletic fields for different sporting events. Campus Recreation organizes a variety of intramural sports leagues. For details on current offerings, visit [www.svsu.edu/studentlife/campusrec.html](http://www.svsu.edu/studentlife/campusrec.html).

### **Student Volunteerism and Community Service**

Call 964-4170 or E-mail: [studentlife@svsu.edu](mailto:studentlife@svsu.edu)

SVSU encourages students to volunteer their time and talents in service to the community. Students interested in community or campus involvement should seek assistance through the Student Life Center, which is actively involved with Saginaw, Midland and Bay counties, and facilitates Alternative Break Programs each year.

### **Career Planning and Placement**

Call 964-4954 or E-mail: [careers@svsu.edu](mailto:careers@svsu.edu)

#### Career Services

Career Planning and Placement provides a number of services to help students make informed career decisions and put into action effective strategies to achieve success. Students may receive one-on-one career advising on choosing a career path, writing a résumé, cover letter, or port-folio, interviewing, professional etiquette and labor market trends. Career Planning and Placement hosts a series of employment fairs and on-campus interviews each year that conveniently bring regional and national employers to campus. The office's website features advice on choosing a major, résumé writing, networking, and a comprehensive system for online job postings, résumé submittal, and interview scheduling.

#### Job Shadowing, Internships and Cooperative Education

Relevant experience is one of the most important factors that employers consider when making hiring decisions. By participating in job shadowing, co-ops or internships, students not only better their understanding of their future profession but also increase their value to potential employers after graduation. Career Planning and Placement places students with a variety of employers, or hosts, throughout the region. To learn more about internships or co-ops, visit our website ([www.svsu.edu/careers](http://www.svsu.edu/careers)) and click on the "Co-ops and Interns" link, or call to schedule an appointment with a Career Planning and Placement advisor.

### **College Success Courses**

Call 964-4286 or E-mail [aacsvsu@svsu.edu](mailto:aacsvsu@svsu.edu)

The College Success experience is designed to enhance the success of first-year students by introducing them to issues such as time management, study habits and techniques, test-taking skills, classroom decorum, use of the Library and campus computer network, etc. A small, select number of Basic Skills and General Education lecture courses will include a one-credit-hour addition called College Success. For example, this will be seen in the Course Schedule as:

ENGL111 Composition I (3 cr)

## ENGL193 College Success (1 cr)

Students must take the designated Basic Skills or General Education Course and College Success Course together.

### **Disability Services**

Call 964-7000 or E-mail [disability-services@svsu.edu](mailto:disability-services@svsu.edu)

The Office of Disability Services assists students with accommodations for learning or physical disabilities. Some of the services available for students with documented disabilities include motorized wheelchairs, F.M. listening devices, T.D.D.s, alternate testing arrangements, tutoring, note-taking forms, screen-readers and large print and specialized computers. SVSU will make every reasonable attempt to meet the needs of qualified individuals, normally within three weeks from the specific request. SVSU does not provide personal care assistance for individuals.

### **Diversity Programs**

Call 964-4397

Saginaw Valley State University policies and federal and state laws call for equal opportunity in employment and in educational programs and activities. Prohibited under these policies and laws is discrimination on the basis of race, color, gender, age, religion, national origin, marital status, sexual orientation, height, weight and mental and physical handicap. University policy and federal laws require affirmative action to overcome the effects of past societal discrimination against minorities, women, veterans and handicapped persons. The Office of Equal Opportunity and Special Programs is responsible for the implementation of these policies and laws

### **Evening Services**

Call 964-4092

Evening Services is open from 12:30 to 8:30 p.m. Monday through Thursday and from 8 a.m. to 4:30 p.m. Friday to provide the following services to evening students and adjunct faculty members:

- Information on class locations, changes and cancellations
- Information on University programs and special events
- Processing course withdrawal forms
- Assistance with emergencies

### **Health Services**

Call 964-4271

Health Services assists students with managing or eliminating health problems that could interfere with optimal performance in obtaining their college degree. Services include treatment of minor illnesses and injuries, immunizations, screening tests, referrals and health care education. Located on the second floor of Wickes Hall, Health Services is a free walk-in service staffed by a registered nurse. A nurse practitioner is available by appointment and a small fee for prescriptions, simple physicals, routine allergy injections or more advance health care evaluation. Hours during the fall and winter semesters are from 8 a.m. to 4:30 p.m. on Monday, Thursday and Friday; and from 9:30 a.m. to 6 p.m. on Tuesday and Wednesday. Hours during spring semester are reduced, and the office is closed during July and the first two weeks of August. Students who need health insurance can be obtain student health insurance applications in the Health Services office.

### **Intercollegiate Athletics**

Call 964-7300 or E-mail: [athletic@svsu.edu](mailto:athletic@svsu.edu)

SVSU is a member of the Great Lakes Intercollegiate Athletic Conference (GLIAC) and the National Collegiate Athletic Association (NCAA II). The University sports program features football, basketball, golf, bowling, cross-country, baseball, soccer, and indoor and outdoor track for men; and basketball, volleyball, cross-country, softball, soccer, tennis and indoor and outdoor track for women. Offices for the Athletic Department are located on the second floor of the Ryder Center.

### **Library and Learning Resources**

Call 964-4240 or E-mail: [library@svsu.edu](mailto:library@svsu.edu)

Named for one of the University's founders, the Melvin J. Zahnow Library opened its doors in January 1987. In the fall of 2003 the completion of an extensive renovation and expansion project resulted in a fourth floor and many other exciting features. The Roberta Allen Reading Room on the fourth floor is used for exhibits, guest speakers and meetings, as well as study. A café on the third floor offers light snacks and laptop network connections. The Student Technology Center located on the second floor provides tutoring for SVSU students with varying software needs, while STC staff visit classrooms to demonstrate selected software. Group study rooms and collaborative workrooms located on the third and fourth floors provide quiet areas suitable for conversation and special projects.

Resources, services and other information about the library can be accessed from the library's home page (<http://library.svsu.edu>). CARD-CAT, the library's online catalog, allows users to search the library's collection of 217,000 print volumes; 2,300 periodical subscriptions in print and electronic format; 23,000 media items, including videos/DVDs, CDs, audiocassettes; University archives and more. In addition, through the library homepage, users can search 90 online databases, 7,300 electronic books and selected Internet resources. Many electronic resources can be accessed off campus by SVSU students, faculty and staff, who have registered with the library.

To assist users with the vast array of information, librarians are available in person, by phone and online. Assistance with search strategies, the selection of appropriate resources, navigating online databases and effectively using the Internet is provided at the reference desk, as well as by appointment. The library's Instruction Program focuses on developing the information literacy skills of SVSU students through sessions held in a 40-seat computer teaching lab. Librarians collaborate with faculty in designing sessions and online tutorials that support the university's curricula to ensure that the course-related research and information needs of students are met.

### **Math Resource Center**

Call 964-4648 or E-mail: [mathtutor@svsu.edu](mailto:mathtutor@svsu.edu)

The Math Resource Center is located in the Herbert Dow Doan Science Building, room SE 106. Individual tutoring services for mathematics courses numbered at or below the 200-level are offered to all registered SVSU students. Professional and student tutors are available in the center on a walk-in basis. Service also is available on-line, and by E-mail. All services are free to SVSU students.

### **Microcomputer Labs**

Call 964-7268 or E-mail: [microlabs@svsu.edu](mailto:microlabs@svsu.edu)

The Microcomputer Labs consist of Windows-based or Macintosh-based computers. Computer software includes word processing, spreadsheet, presentation and other specialized programs. All computer stations provide E-mail and Internet access. Two general purpose "open" labs, equipped with PC and Mac stations, are among several teaching labs and specialized labs available throughout the SVSU campus. Hours for all labs vary during breaks and spring/summer semester. For additional information, visit [www.svsu.edu/microlabs](http://www.svsu.edu/microlabs)

## **Minority Student Services**

Call 964-7090

Minority Students Services provides various programs and assistance services to help students reach their academic goals.

- Academic and student support programs and services that include academic advisement and assistance with student service-related issues (e.g., registration, financial aid, student accounts).
- Advisement with personal concerns.
- Advisement to student organizations.
- Participating in, and support of, campus multicultural programs.
- Appointments and walk-in advising are available.
- Minority Student Services offers pre-college day programs (e.g., King-Chavez-Parks, Roosevelt Ruffin Symposium) for area middle and high school students.

## **Residential Life**

Call 964-4255 or E-mail: [reslife@svsu.edu](mailto:reslife@svsu.edu)

The Office of Residential Life provides opportunities for resident students to enhance their overall University experience and to support their academic goals. Each of the five residential facilities is staffed by professionals and paraprofessionals who are concerned about each resident's success and satisfaction with his/her residential life experience. The Residential Life staff provide information and assistance regarding opportunities for involvement, special programs and activities, leadership development, roommate concerns, health and safety issues, student services and policies, and referrals to other University offices, as appropriate.

## **Student Association**

Call 964-4232

SVSU Student Association represents students through participation on many University policy-making committees and the Board of Control. It allocates student fees for activities as well as educational grants. The association also works with campus clubs and organizations to promote social and educational activities.

## **Student Code of Conduct**

Call 964-2220

Each student is obligated to abide by regulations for acceptable student behavior. Regulations and procedures governing student behavior are found in the "Student Code of Conduct" section of the SVSU Student Handbook.

## **Student Counseling Center**

Call 964-7000

The Student Counseling Center serves as a mental health and substance abuse referral resource for students. Counseling Center staff provide assessments, crisis intervention, community referrals and psycho-educational classes.

## **Student Employment**

Call Career Planning and Placement, 964-4954

Working on campus as a student employee can be an effective way to earn money while pursuing an education. To be eligible for student employment in the fall and winter semesters, students must be enrolled at least half time during the semester in which they work. For the spring and summer semesters, students must be enrolled at least half time during spring and summer, or be pre-registered at least half time for the following fall semester to be eligible for work. Students interested in working on campus must submit a completed Student Employment Application to the Office of Career Planning and Placement. When an on-campus department has a student employment vacancy, applicants who have relevant experience and skills will be referred on a first-come, first-served basis.

### **Student Housing**

Call 964-4255 or E-mail: [housing@svsu.edu](mailto:housing@svsu.edu)

SVSU currently offers residence hall and apartment living options for students desiring to live on-campus. Freshman, first-time-in-college students reside in designated freshman housing. Current freshman designated housing consists of the First-year Suites, Living Center North and Living Center South. New transfer students and upperclassmen reside in either the Pine Grove or University Village apartment style housing and occasionally in limited areas of either Living Center. All University housing is fully furnished and air-conditioned. Many units feature a kitchen or kitchenette allowing for independent meal preparation. Basic utilities, cable television and high-speed internet access are included in the base rental rates.

First-Year Suites consist of seven houses, each containing nine suites and house approximately 425 students. A suite is composed of a living room, bathroom and four bedrooms. Shared bedrooms are rented to two students or when space permits, as private rooms for an additional premium. Quite often the entire suite becomes a cohesive social unit. Members study together, relax together and relate to each other on a personal and friendly basis.

Living Center North and South each house approximately 360 students that are primarily first-time-in-college freshmen. Living accommodations include two and three person efficiency style units along with four and five bedroom suite style units. There is a mix of shared and single bedrooms among the suite style units. Single bedroom accommodations command an additional rental premium and are subject to limited availability.

Pine Grove Apartments house approximately 200 residents. Accommodations include shared-bedroom, four-person apartments and single-bedroom, four-person apartments. Upperclassmen enjoy the quiet natural setting surrounding of this community. The complex is located adjacent to the Regional Education Center and is only a short walking distance from the center of campus.

The University Village Apartments house approximately 800 students. The complex consists of single-bedroom, four-person townhouse-style apartments and a few two-bedroom, two-person apartments. There are also two buildings consisting of single-efficiency units.

### **Dining Plans**

Freshmen, first-time-in-college residents are required to participate in one of three “all you care to eat” meal plans. The meals plans provide for 10, 13 or 19 meals per week and a separate allocation of declining balance dollars. The RFoC residential restaurant is an “all you care to eat” facility and serves as the primary dining room for residential students. The declining balance dollars are expendable in any campus dining operation including the convenience store. Upperclassmen may build a custom meal plan by selecting from a variety of “all you care to eat” meals and declining balance dollar options. Meal plans are accessed by using the ACCESS SVSU card.

### **Application Procedure**

Students who indicate an interest in on-campus housing on their admissions application automatically will receive housing and dining services information that include specific instructions. Students already enrolled should apply at the University Housing Operations office, 113 Curtiss Hall, 964-4255.

#### Housing Payment

A \$200 pre-payment must accompany the Housing and Dining Services application and contract to reserve a space in on-campus housing. In the event of a housing shortage, students will be assigned a room on a “first-come, first-served” basis (in the order that contracts are received by the University Housing Operations office).

#### Payment Schedule

The rate and payment schedule applicable to the current school year will be posted on the University Housing and Residential Life website. Payment must be made in full prior to a student receiving their room key and being allowed to move in.

#### Residence Hall Contract

The Housing and Dining Services Agreement (contract) is for the full academic year (fall and winter semesters), or for winter only for those entering in January. Spring and/or summer contracts also are available. In signing this agreement, the student agrees to abide by published regulations established by Saginaw Valley State University for the safe and efficient utilization of University housing.

#### Cancellation of Housing Reservation

The resident is obligated to honor the terms of the housing contract. Students will not be released from their contract to move to off-campus housing or commute during the contract period. The University will only release residents from their contracts if they:

- Graduate during the contract period.
- Totally withdraw from classes, in which case they will be required to pay a pro-rated amount for the actual days in residence and a contract cancellation charge of \$100.
- Are academically dismissed from the University, in which case they will be required to pay a pro-rated amount for the actual days in residence and a contract cancellation charge of \$100.
- Participate in an SVSU study abroad program during the contract period.

It is the responsibility of the resident student to notify the Office of Housing and Residential Life in writing of any change in student status. Students must properly check-out of the University housing in order to complete withdrawal from Saginaw Valley State University. A resident failing to follow proper check-out procedures may be assessed a \$100 improper check-out fee. The University at its discretion will consider contract releases outside of the aforementioned criteria only if the circumstances are sufficiently extreme or catastrophic in nature. Requests of this nature must be submitted in writing to University Housing Operations and include supporting documentation. Special requests that are approved will be charged a pro-rated amount for actual days in residence and a contract cancellation charge of \$200. Students that are released and re-enroll during the contract period will have their contract reinstated.

#### Termination of Housing and Dining Services Agreement by the University

The University may terminate the agreement and take possession of housing unit promptly without notice to quit: upon any failure of resident to timely pay any charges required under the contract; upon any failure of resident to comply with terms of the contract; for health reasons; when the resident is no longer enrolled in at least six semester hours at the University.

## **Student Life Center**

Call 964-4170 or E-mail: [studentlife@svsu.edu](mailto:studentlife@svsu.edu)

The Student Life Center supports the University's mission to provide opportunities for individuals to achieve intellectual and personal growth, and to develop students' personal, leadership and professional skills by providing and supporting quality co-curricular experiences for all SVSU students. These goals are accomplished by sponsoring a variety of campus events, providing the opportunity to practice leadership skills, and facilitating the development of student organizations and their activities. The SLC provides support services to all students involved in co-curricular activities, including program planning, leadership development, organizational and audience development, talent acquisition, posting validation, promotion and publicity, recreation and travel. Students also may inquire about, and sign up for, campus recreation activities as well as investigate volunteer opportunities on campus and in local communities.

## **Student Technology Center**

Call 964-2299 or e-mail: [techtutor@svsu.edu](mailto:techtutor@svsu.edu)

The Student Technology Center, located on the second floor of Zahnow Library, offers one-on-one tutoring to students who need help using course-related software to complete their assignments. Whether students are new to computers or experienced users who want to create a presentation or electronic portfolio, the Student Technology Center can help. It is equipped with state of the art hardware and software. Applications include word processing, web page design, desktop publishing, multimedia and DVD production, spreadsheets, graphics, presentations and more. Assistance in using BlackBoard, campus e-mail, and other university computing resources is also provided. Students have several options for getting help from the STC – walk in anytime the Center is open, call to set up an appointment for an individual consultation with a tutor, e-mail quick questions, or visit the STC web site to find out more about the services offered, staff, and hours of operation ([www.svsu.edu/library/stc](http://www.svsu.edu/library/stc)).

## **Transfer Student Programs and Services**

Call 964-4220 or E-mail: [admissions@svsu.edu](mailto:admissions@svsu.edu)

The Coordinator for Transfer Student Programs and Services assists transfer students as they begin their studies at the University. Articulation agreements with various educational institutions also are developed and maintained by this office.

## **University Ombudsman**

Call 964-4294

The University Ombudsman's office is a place where student questions, problems and concerns about the functioning of the University can be discussed confidentially. The office offers informal dispute resolution services, provides resources and referrals, and helps students consider options available to them. The University Ombudsman will listen to student concerns and take one or several courses of action.

To resolve a concern, the office may:

- Investigate the nature of a problem.
- Explain the process a student might follow to resolve the problem.
- Refer the student to the appropriate person who can assist with the problem.

## **University Police**

Call 964-4141

University Police provides service oriented policing to the SVSU community. Our goal is to maintain a safe environment to work, learn, teach, and enjoy the many aspects that the University has to offer. University Police publishes an annual "Crime Awareness Report," which can be viewed at [www.svsu.edu/publicsafety](http://www.svsu.edu/publicsafety).

We are committed to developing new and imaginative ways to address the broad spectrum of community concerns at SVSU. Some of our programs and services include:

- Bike patrol
- Crime prevention
- Criminal and other investigations
- Critical incident management and supervision
- Emergency response
- Escort services
- Foot patrol
- Operation Identification
- Orientation
- RAD (Rape Aggression Defense Systems)
- Traffic and parking control
- Vehicle assistance

We strive to provide a level of police service to insure a safe environment and, at the same time, improve the quality of life for everyone at SVSU. For emergency assistance, call 9-911 from on campus or 911 from off campus. To contact Parking Services, call 964-4140.

## **Vice President for Student Services and Enrollment Management**

Call 964-4287

Matters related to student services and student life are the responsibility of the Vice President for Student Services and Enrollment Management, located on the third floor of Wickes Hall. The purpose of the Division of Student Services and Enrollment Management is to enhance the University experience of students by helping them develop the skills to meet their social, academic and personal challenges.

During their course of study, students likely will encounter some situations that are puzzling or troublesome. The University can assist students to find answers to their questions and provide the help they need to resolve any problems they might encounter. Students are encouraged to visit student services offices for assistance. If a question or problem arises that cannot be resolved through normal channels, students are invited to contact the Vice President for Student Services and Enrollment Management for assistance.

## **Writing Center**

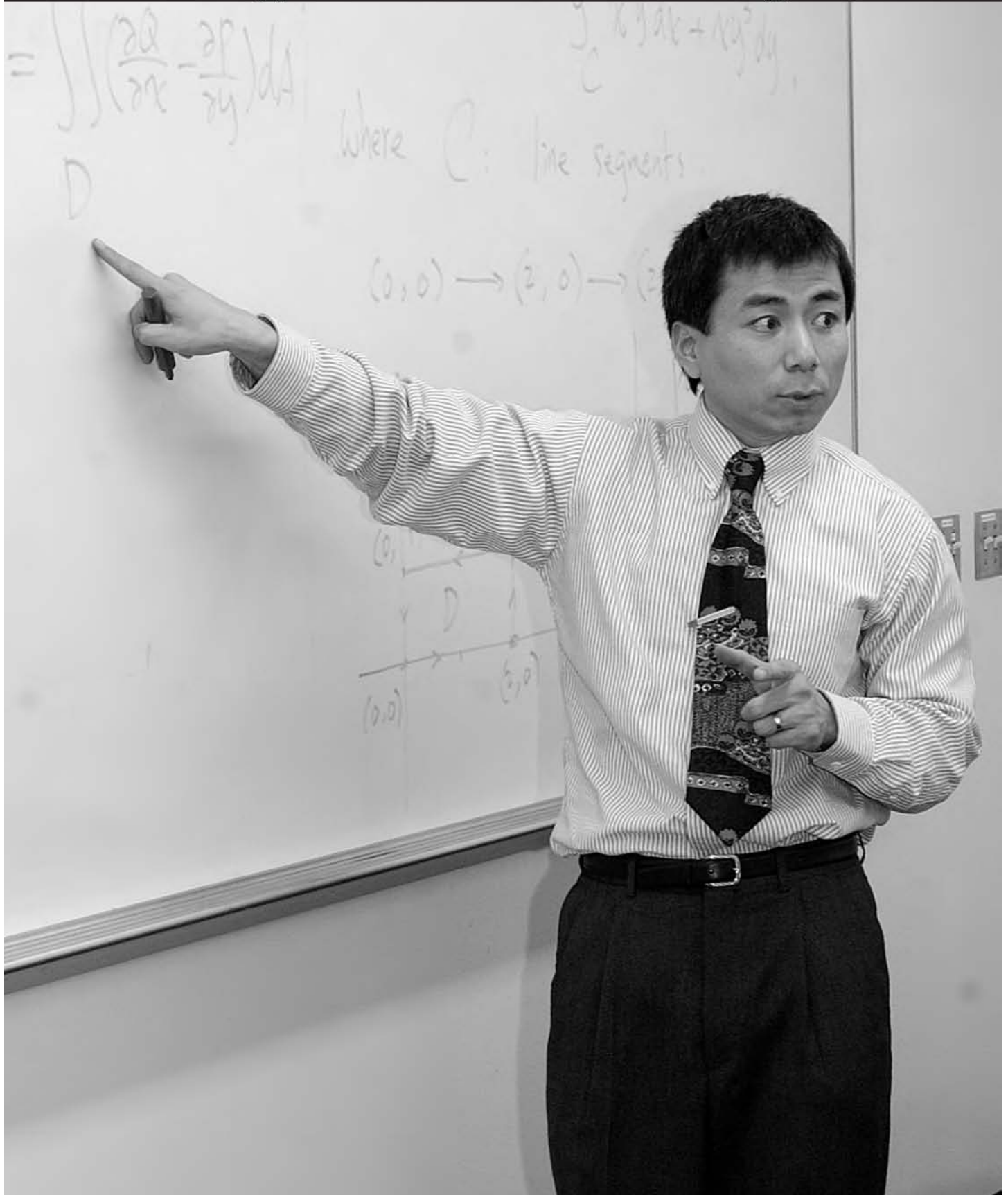
Call 964-1661 or E-mail: [writing-center@svsu.edu](mailto:writing-center@svsu.edu)

The SVSU Writing Center assists all students in developing their writing abilities. The Writing Center's location is 135 Science East. The Center is open during posted hours; students may walk in or call ahead for an appointment. For more information, call 964-6061, send E-mail to [writing-center@svsu.edu](mailto:writing-center@svsu.edu) or visit [www.svsu.edu/writingcenter](http://www.svsu.edu/writingcenter). On-line tutoring also is available; for further information, visit the Center's web site.

In the Writing Center, peer mentors help students at all levels of writing proficiency and from all disciplines with planning, drafting and revising all types of writing. The Center's focus goes beyond simply helping students on the documents they bring; the Center's goal is to aid in the overall development of students as writers.

The Center's peer mentors are experienced writers who have been specially trained to meet the needs of SVSU's diverse student body. Mentors work most effectively with students who arrive at the Writing Center with clear goals for their session and with their instructor's assignment, their syllabus and text(s), and any previous work they have done. The Center also has a trained specialist in English as a Second Language on staff and a growing collection of both print and electronic resources on a range of writing issues.

# Undergraduate Programs



# College of Arts and Behavioral Sciences

Mary Hedberg, Interim Dean

Joni Boye-Beamon, Interim Assistant Dean

The College of Arts and Behavioral Sciences is the largest college of the University. It offers courses to students in all colleges to fulfill their general education requirements and programs leading to the degrees of Bachelor of Applied Studies (B.A.S.), Bachelor of Arts (B.A.), Bachelor of Social Work (B.S.W.), and Master of Arts (M.A.). Students may select majors and minors from 15 different fields and interdisciplinary minors in the fields of gender studies and youth services. In conjunction with the College of Education, it offers instruction in the arts and behavioral sciences for students pursuing certification in teaching or the Master of Arts in Teaching (M.A.T.) degree in these disciplines.

## Bachelor of Applied Studies

The Bachelor of Applied Studies degree is designed for students with associate degrees in technical or career-oriented fields who wish to complete a bachelor's degree, but whose academic or career needs do not mandate a regular baccalaureate degree program.

Each Bachelor of Applied Studies degree must meet the following standards:

- The program must include an approved associate degree in an applied, technical or career-oriented field, generally an Associate of Business, Applied Science, Technology or similar program, consisting of 60 semester hours or more. The associate degree must include at least 50 semester hours with a grade of "C" or better. Students with an Associate of Arts or Associate of Science degree usually are not eligible, and are expected to pursue a regular baccalaureate degree.
- The program must include a minor that is part of the curriculum at SVSU. At least half of the credits of the minor must be taken at SVSU. The Bachelor of Applied Studies degree is housed in the College of Arts and Behavioral Sciences, but minors may be taken in any college of SVSU.
- The student must complete and submit to the Office of Admissions a B.A.S. application, which indicates the associate degree and the minor proposed; an official copy of the associate degree transcript must be attached.
- The degree program must include all Basic Skills and General Education requirements.
- The degree program must include 42 credits of upper-division course work.
- The degree program must include at least 31 credits at SVSU, 15 credits of which must be completed on campus.
- The maximum number of credits transferable from a community college or two-year degree program is 62 credits. The maximum number of credits transferable from a four-year college is 93 credits. The maximum number of transfer credits allowable toward the degree, from no matter what source, is 93 credits.
- The B.A.S. program may include courses that otherwise are not acceptable for transfer to SVSU, if those courses are part of an approved associate degree. However, if the student later changes his/her major, SVSU is under no obligation to accept these courses for any other purpose, including elective credit.
- The diploma and transcript will not show a major, but will show Bachelor of Applied Studies. The title of the minor will be recorded on the transcript.
- At least 15 credits of course work must be completed after approval of the B.A.S. application by the University. Substitutions for courses in the minor must be approved in advance by the chair of the department and the dean of the college in which the minor is housed.

Associate degree programs approved for inclusion in a Bachelor of Applied Studies must have been completed at an accredited community college or in a two-year program of an accredited four-year college, and must be approved by SVSU's Alternate Baccalaureate Committee. Approval of each associate degree program depends upon the specific contents and level of rigor of that program at that college during the time period in which the degree was completed. Programs with appropriate rigor involve critical thinking, scientific subject matter, higher-order skills or a grounding in theoretical concepts. Many associate degree programs already have been evaluated for approval; the list is on file at the Admissions Office. Programs that have not already been evaluated will be considered by the committee on request; it may take several months for evaluation to be completed, and the student may be required to assist the committee in obtaining information about the degree program.

## **International Studies Major (B.A.)**

The objective of this interdisciplinary major is to provide students with an understanding of the world through language, history, business, economics, political science, literature, sociology, geography and study abroad. Courses are taken from various departments within the College of Arts and Behavioral Sciences and the College of Business and Management. This major prepares students for graduate work or for work in a variety of areas within the increasingly interrelated world. Students select one of three emphases: 1) Business and Management or 2) Asian Studies or 3) European Studies. All international studies majors must have their proposed course of study approved by the International Studies Committee.

### **Summary of Major**

The major consists of four elements described below:

- A. Foreign Language Competency
- B. Foundation Courses – 18 credits
- C. Area Concentration – 27 credits
- D. Capstone Course – (3 cr)redits

### **Major Requirements – 48 credits**

- A. Foreign Language Competency
  - Demonstrated fourth semester competency
- B. Foundation Courses (18 credits required)
  - ECON 200 International Economic Issues (3 cr)
  - ENGL/MFL 205 Studies in World Literature (3 cr)
  - GEOG 201 World Cultural Geography (3 cr)
  - HIST 100E The World Since 1500 (3 cr)
  - PS 130[CI] World Politics (3 cr)
  - SOC 280[CI] Global Cultures (3 cr)
- C. Area Concentration (27 credits required from one emphasis)
  - 1. Asian Studies emphasis – 27 credits from the following:
    - COMM 455 Intercultural Communication (3 cr)
    - HIST 355 Modern China (3 cr)
    - HIST 357 Modern Japan (3 cr)
    - HIST 359 Modern India (3 cr)
    - HIST 390C Special Topics in World History (3 cr)
    - or
    - HIST 490\*Special Topics in World History (3 cr)
    - MFL 190 Elementary Chinese or Japanese (3 cr)

MFL 290 Intermediate Chinese or Japanese (3 cr)  
PHIL 213 South Asian Civilizations (3 cr)  
or  
HIST 213 Survey of South Asian History (3 cr)  
PHIL 215 East Asian Civilizations (3 cr)  
or  
HIST 215 Survey of East Asian History (3 cr)  
PHIL 390 Selected Topics in Philosophy (1-4 cr)  
or  
PHIL 490\*Selected Topics in Philosophy (1-4 cr)  
PS 390 Special Topics in Political Science (1-4 cr)  
or  
PS 490\*Special Topics in Political Science (1-4 cr)  
SOC 304 World Societies (3 cr)  
SOC 390 Special Topics in Sociology (1-4 cr)  
or  
SOC 490\*Special Topics in Sociology (1-4 cr)  
Additional Asian Language Study (1-4 cr)  
Study Abroad\* (1-9 cr)  
\*(As approved by the Chair, International Studies Committee)

## 2. Business Emphasis

Five courses from the business core—at least 3 courses must be 300-400 level:

ACCT 213 Financial Accounting (4 cr)  
ECON 221 Principles of Macroeconomics (4 cr)  
ECON 235 Introductory Statistics (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ECON 222 Principles of Economics II (4 cr)  
ECON 335 Applied Statistics (2 cr)  
MGT 321 Organization and Administration (4 cr)  
MGT 325 Management Information Systems (3 cr)  
MKT 331 Marketing Principles (4 cr)  
FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

Nine additional credits from

MGT 427 International Management (3 cr)  
MKT 432 International Marketing (3 cr)  
ECON 441 International Economics (3 cr)  
LAW 407 International Business Law (3 cr)  
FIN 310 International Finance (3 cr)

## 3. European Studies Emphasis (27 credits required)

COMM 455 Intercultural Communication (3 cr)  
FREN 441 Contemporary France (3 cr)  
or  
HUM 235 France Today (4 cr)  
GER 491\* Seminar in German Studies (3 cr)

HIST 220 Survey of European History (3 cr)  
HIST 322 European Intellectual/Cultural History (3 cr)  
HIST 324 Modern European Women's History (3 cr)  
HIST 332 Modern Britain (3 cr)  
HIST 345 History of Modern France, 1815-present (3 cr)  
HIST 351 History of Modern Germany (3 cr)  
HIST 352 History of Modern Russia Since 1801 (3 cr)  
HIST 353 History of Eastern Europe (3 cr)  
HIST 354 History of Poland (3 cr)  
HIST 367 History of Europe from 1914-1945 (3 cr)  
HIST 368 History of Postwar Europe (3 cr)  
HIST 390\* Special Topics (1-4 cr)  
PLSH 241 Contemporary Poland (3 cr)  
PLSH 491 Seminar in Polish Studies (3 cr)  
PS 205\* Comparative Government (3 cr)  
PS 307 Russia and Neighbors (3 cr)  
PS 400 Political Ideologies (3 cr)  
SOC 304 World-Societies (3 cr)  
Additional Language Study\* (1-12 cr)  
Study Abroad\* (1-9 cr)  
\*(As approved by the Chair, International Studies Committee.)

#### 4. Other Area Concentrations – 27 approved credits

Students with exceptional study abroad experience may, with the approval of the International Studies Committee, design a major to incorporate courses they have taken elsewhere. Examples of such areas might include Africa and Latin America.

#### D. Capstone Course – 3 credits required

Students will take the appropriate capstone course for their concentration or complete one independent study project in their chosen field of study.

## **Asian Studies Minor**

The Asian Studies Minor and Certificate Programs are interdisciplinary introductions to the histories, cultures, and societies of the major civilizations of the Asian region, with particular emphasis on India, China and Japan. The Asian Studies Minor prepares students to understand Asia, and to work successfully in Asia or with Asian colleagues in such fields as business, marketing, management, industry, government service, health care and education. The Asian Studies Certificate program provides a comprehensive introduction to Asian civilizations that enhances the abilities of professionals in the fields listed above to work confidently and successfully in Asia, for Asian employers, or with Asian colleagues.

Because of Saginaw Valley State University's close relationships with universities and businesses in India, China, Taiwan and Japan, international study experiences and internships are regularly available. While not required, they are strongly encouraged as integral parts of the Asian Studies Programs. Details concerning specific opportunities are available from the International Programs Office.

A major is required.

## **Asian Studies Minor (18 credits)**

6 credits from:

PHIL 213 South Asian Civilizations (3 cr)

or

HIST 213 South Asian History (3 cr)

PHIL 215 East Asian Civilizations (3 cr)

or

HIST 215 East Asian History (3 cr)

6 credits from:

MFL190 Elementary Chinese or Japanese (3 cr)

MFL 290 Intermediate Chinese or Japanese (3 cr)

or

6 credits of International Study in India, Japan, China or Taiwan as approved

or

MGT 390 Survey of Global Business (3 cr)

MGT 427 International Management (3 cr)

6 credits from:

HIST 355 Modern China (3 cr)

HIST 357 Modern Japan (3 cr)

HIST 359 Modern India (3 cr)

### **Asian Studies Certification (12 credits)**

12 credits from:

PHIL 213 South Asian Civilizations (3 cr)

or

HIST 213 South Asian History (3 cr)

PHIL 215 East Asian Civilizations (3 cr)

or

HIST 215 East Asian History (3 cr)

HIST 355 Modern China (3 cr)

HIST 357 Modern Japan (3 cr)

HIST 359 Modern India (3 cr)

or

At least 6 credits from the above list combined with 6 credits international study in India, Japan, China or Taiwan as approved.

### **Gender Studies Minor**

An interdisciplinary minor offered by the departments of Communication, English, History, Philosophy, Psychology, Political Science, and Sociology. The objective of the minor is to enable students to develop the conceptual tools and the empirical background for studying the cultural significance of gender, the development of feminist perspectives, and the application of feminist perspectives within traditional academic disciplines.

The Gender Studies minor is available by completing 18 credits, including one required introductory course (GS 100) and at least 15 credits of electives from among the following courses:

COMM 425 Gender in Communications (3 cr)

HIST 320 U.S. Women's History (3 cr)

HIST 324 Modern European Women's History (3 cr)

PHIL 240 Philosophy and Feminism (3 cr)

PS 319 Gender and Politics (3 cr)  
PSYC 385 Psychology of Sexual Differences (4 cr)  
SOC 333 Sociology of Gender (3 cr)  
SOC 340 Black Women in America (3 cr)

In the event that a special topics course focusing on gender is offered, it may be considered as a partial fulfillment (three credits) of the minor requirements, upon the recommendation of the Program Coordinator of the Gender Studies Minor.

Students may be admitted to the minor by consulting with the Program Coordinator. Students may be admitted to the minor at any time during their tenure at SVSU as long as they can demonstrate a commitment to fulfilling the requirements.

Transfer credit may be granted for up to six credits or equivalent from other institutions, on the recommendation of the Program Coordinator and approval of the Dean of Arts & Behavioral Sciences.

A minimum grade point average of 2.00 ("C") is required for graduation. No "D" or "F" may be counted toward the degree. Students earning a "C," "D," or "F" may repeat a course only one time and the second grade will become official.

If the cumulative GPA falls below 2.00 at any time after accumulation of nine credits in the minor, or if the student has accumulated six credits of "D" or "F" grades the second time the courses are taken, the student may be dismissed from the program.

Students admitted into the program will be assigned an advisor from among the faculty members with a permanent course in the program, on the basis of mutual agreement between the student and the advisor. Advisors may be changed at the request of the student and/or the advisor. The advisor will approve the student's application for graduation in the minor.

## **Art**

### **Department Faculty**

Shaun Bangert, William Barnes, Thomas Canale, Barron Hirsch, Hideki Kihata, Mike Mosher, Matthew Zivich

### **Art (B.A.)**

42 credits required

This degree is designed for students who wish to explore the history, theories and techniques of the visual arts while attaining a minor in another discipline. A graphic design minor may be earned with this major. Students may not double count courses that are applicable to both the art major and the graphic design minor. The required credits still must be earned from additional courses.

### **Core (12 credits required)**

ART 111 Two-Dimensional Design (3 cr)  
ART 112 Three-Dimensional Design (3 cr)  
ART 121 Introduction to Drawing (3 cr)  
ART 122 Intermediate Drawing (3 cr)

### **Foundation (15 credits required)**

ART 222 Introduction to Sculpture (3 cr)

ART 223 Introduction to Painting (3 cr)  
ART 224 Introduction to Printmaking (3 cr)  
ART 225 Introduction to Black and White Photography (3 cr)  
ART 226 Introduction to Watercolor (3 cr)  
ART 227 Introduction to Ceramics (3 cr)

**Advanced Studio (6 credits required)**

ART 231 Life Drawing (3 cr)  
ART 305 Color Slide Photography (3 cr)  
ART 311 Relief Prints (3 cr)  
ART 314 Etching (3 cr)  
ART 315 Color Photography (3 cr)  
ART 316 Advanced Watercolor (3 cr)  
ART 321 Advanced Drawing (3 cr)  
ART 322 Intermediate Sculpture (3 cr)  
ART 323 Intermediate Painting (3 cr)  
ART 324 Advanced Printmaking (3 cr)  
ART 325 Advanced Black and White Photography (3 cr)  
ART 327 Intermediate Ceramics (3 cr)  
ART 328 Introduction to Wheel Throwing (3 cr)  
ART 329 Intermediate Wheel Throwing (3 cr)  
ART 330 Silkscreen (3 cr)  
ART 331 Advanced Life Drawing (3 cr)  
ART 337 Portrait Photography (3 cr)  
ART 390 Special Topics in Art\* (1-4 cr)  
ART 423 Advanced Painting (3 cr)  
ART 425 Photo Journalism (3 cr)  
ART 427 Advanced Ceramics (3 cr)  
ART 435 Alternative Photography (3 cr)  
ART 480 Arts Management and Safety (4 cr)  
ART 499 Directed Study (1-5 cr)  
\*ART 390, taken under Advanced Studio, must be a studio course

**History of Art (9 credits required)**

Required (6 credits):

ART 201 Understanding Art I (3 cr)  
ART 202 Understanding Art II (3 cr)

Electives (3 credits)

ART 334 Art in America (3 cr)  
ART 335 Survey of Photography (3 cr)  
ART 344 Art of the 20th Century (3 cr)  
ART 390 Special Topics in Art\* (1-4 cr)  
ART 411 Seminar in Art History and Criticism (3 cr)  
\*ART 390, taken under History of Art, must be a history lecture course

## **Art Minor (18 credits)**

An art minor is available by completing 18 credits including ART 111, 112, 121 and nine credits selected from studio art and/or art history courses listed above. Students are encouraged to take ART 480 as a general elective.

## **Art (B.A.) Teacher Certification**

Persons seeking the K-12 teacher certification endorsement must complete the academic major (see above), the secondary education program and a K-12 student teaching experience.

## **Bachelor of Fine Arts (B.F.A.)**

82 credits required. No minor is required.

This degree is designed for students who wish to be fully prepared professionals in visual arts and receive credentials for acceptance in professional associations that control participation in various fields in the visual arts. The degree prepares students who wish to continue into a graduate program. Students are required to declare one area of concentration from the following: ceramics, drawing and painting, graphic design, photography, printmaking or sculpture. The students will be required to present their portfolios twice: upon completion of the core and foundation requirements in order to be admitted into the BFA program, and upon the completion of Junior standing to evaluate the students' progress in the program. Graduating students will be required to complete a collection of works in their concentration as part of their final studio course.

## **Core (12 credits required)**

ART 111 Two-Dimensional Design (3 cr)  
ART 112 Three-Dimensional Design (3 cr)  
ART 121 Introduction to Drawing (3 cr)  
ART 122 Intermediate Drawing (3 cr)

## **Foundation (21 credits required)**

ART 222 Introduction to Sculpture (3 cr)  
ART 223 Introduction to Painting (3 cr)  
or  
ART 226 Introduction to Watercolor (3 cr)  
ART 224 Introduction to Printmaking (3 cr)  
ART 225 Introduction to Black and White Photography (3 cr)  
ART 227 Introduction to Ceramics (3 cr)  
ART 250 Introduction to Graphic Design (3 cr)  
ART 260 Introduction to Computer Graphic Design (3 cr)

## **History of Art (12 credits required)**

Required (6 credits)  
ART 201 Understanding Art I (3 cr)  
ART 202 Understanding Art II (3 cr)

Electives (6 credits)

ART 334 Art in America (3 cr)

ART 335 Survey of Photography (3 cr)

ART 344 Art of the 20th Century (3 cr)

ART 390 Special Topics in Art\* (1-4 cr)

ART 411 Seminar in Art History and Criticism (3 cr)

\*ART 390, taken under History of Art, must be a history lecture course

### **Art Management (4 credits required)**

ART 480 Arts Management and Safety BFA Seminar (4 cr)

**Studio (33 credits required – 24 credits in area of concentration. It is recommended that students study with more than one instructor in their area of concentration)**

### **Ceramics**

ART 327 Intermediate Ceramics (3 cr)

ART 328 Introduction to Wheel Throwing (3 cr)

ART 329 Intermediate Wheel Throwing (3 cr)

ART 427 Advanced Ceramics (3 cr)

### **Drawing/Painting**

ART 231 Life Drawing (3 cr)

ART 316 Advanced Watercolor (3 cr)

ART 321 Advanced Drawing (3 cr)

ART 323 Intermediate Painting (3 cr)

ART 331 Advanced Life Drawing (3 cr)

ART 423 Advanced Painting (3 cr)

### **Graphic Design**

ART 345 Intermediate Computer Graphic Design (3 cr)

ART 350 Type and Color in Design (3 cr)

ART 355 Logo and Business Identity Design (3 cr)

ART 370 Photoshop (3 cr)

ART 380 Publication Design (3 cr)

ART 390\* Special Topics in Art (1-4 cr)

ART 400 Illustration (3 cr)

ART 420 Video Production for Multimedia (3 cr)

ART 430 Dynamic Digital Design (3 cr)

ART 450 Advanced Computer Design (3 cr)

ART 496 Field Experience in Design (3 cr)

MGT 121 Introduction to Business (4 cr)

COMM 270 Communication in Marketplace and Media (3 cr)

\*ART 390, taken under Graphic Design, must be a studio course, or Design lecture course (non-history)

### **Photography**

ART 305 Color Slide Photography (3 cr)

ART 315 Color Photography (3 cr)  
ART 325 Advanced Black and White Photography (3 cr)  
ART 337 Portrait Photography (3 cr)  
ART 425 Photo Journalism (3 cr)  
ART 435 Alternative Photography (3 cr)

### **Printmaking**

ART 311 Relief Prints (3 cr)  
ART 314 Etching (3 cr)  
ART 324 Advanced Printmaking (3 cr)  
ART 330 Silkscreen (3 cr)

### **Sculpture**

ART 322 Intermediate Sculpture (3 cr)  
ART 422 Advanced Sculpture (3 cr)

### **Special Courses**

ART 495 Independent BFA Studio (3 cr)  
ART 499 Directed Study (1-5 cr)

Some courses may be taken more than once for credit. These courses must be 300 or 400 level advanced courses. Advanced courses ART 305, 311, 314, 315, 316, 321, 323, 324, 325, 330, 337, 390, 422, 425, 427, 431, 435, 450, 495, 496, 499 may be taken more than once for credit. ART 355, 370, 420, 430, 450 and 496 may be taken only twice for the graphic design concentration ART 327, 328, 329, 350, 365, 380 and 400 may be taken only once for credit.

### **Graphic Design (B.A.)**

42 credits required.

This degree is designed for students who wish to learn the techniques and practices of graphic design while attaining a minor in another discipline. Minors in general business, communication or marketing are recommended. An art minor may be earned with this major. Students may not double count courses that are applicable to both the graphic design major and the art minor. The required credits still must be earned from additional courses.

### **Core (12 credits required)**

ART 111 Two-Dimensional Design (3 cr)  
ART 112 Three-Dimensional Design (3 cr)  
ART 121 Introduction to Drawing (3 cr)  
ART 250 Introduction to Graphic Design (3 cr)

### **Foundation (6 credits required)**

ART 260 Introduction to Computer Graphic Design (3 cr)  
ART 370 PhotoShop, Scanning and Digital Imagery (3 cr)

### **Intermediate Studio (3 credits required)**

ART 223 Introduction to Painting (3 cr)  
ART 224 Introduction to Printmaking (3 cr)  
ART 225 Introduction to Photography (3 cr)  
ART 226 Introduction to Watercolor Painting (3 cr)

### **History of Art (9 credits required)**

Required (6 credits)

ART 201 Understanding Art I (3 cr)  
ART 202 Understanding Art II (3 cr)

Electives (3 credits required)

ART 334 Art in America (3 cr)  
ART 335 Survey of Photography (3 cr)  
ART 344 Art of the Twentieth Century (3 cr)

\*ART 390, taken under Graphic Design, must be a studio course, or Design lecture course (non-history)

### **Advanced Studio (12 credits required)**

ART 305 Color Slide Photography (3 cr)  
ART 330 Silkscreen (3 cr)  
ART 345 Intermediate Computer Graphic Design (3 cr)  
ART 350 Typography and Color in Design (3 cr)  
ART 355 Logo and Business Identity Design (3 cr)  
ART 360 Publication Design (3 cr)  
ART 400 Illustration (3 cr)  
ART 420 Multimedia (3 cr)  
ART 430 Digital Image Design (3 cr)  
ART 450 Advanced Computer Graphic Design (3 cr)  
ART 496 Field Experience in Design (3 cr)

(ART 355, 370, 420, 430, 450, and 496 may be taken twice for credit with the instructor's permission. The content will be increased to the advanced level of the student.)

### **Graphic Design Minor (18 credits required)**

A graphic design minor is available by completing 18 credits from courses listed under graphic design. For students who do not take an art major, the graphic design minor must include ART 111, ART 112, and ART 121.

ART 210 may not be used to meet requirements for the art or graphic design major

Recommended Electives (The following courses are recommended for Art, BFA, and Design majors but cannot be used to satisfy required electives)

PHIL 320 Philosophy of the Arts (3 cr)  
THEA 260 Introduction to Stagecraft and Theatre Design (3 cr)  
THEA 360 Scene Design (3 cr)  
THEA 370 Costume and Makeup Design (3 cr)

# Communication

## Department Faculty

Alexa Dare, Robert Drew, Charlotte Glesner, Margaret McCue-Enser, Amy J. Pierce, David Schneider, Michelle Silva

## Communication (B.A.)

39 credits required

At least 15 credits of the major in communication must be in upper division courses (300-400 level). A minor is required.

### Core (15 credits required)

COMM 105A Fundamentals of Communication (3 cr)  
COMM 225 Nonverbal Communication (3 cr)  
COMM 270 Communication in Marketplace and Media (3 cr)  
COMM 379 Research Methods in Human Communication (3 cr)  
COMM 405 Human Communication Theory (3 cr)

### Interpersonal Area (3 credits required)

COMM 227 Small Group Communication (3 cr)  
COMM 351 Interpersonal Communication (3 cr)  
COMM 389 Family Communication (3 cr)  
COMM 425 Gender in Communication (3 cr)

### Organizational Area (3 credits required)

COMM 325 Business and Professional Communication (3 cr)  
COMM 352 Organizational Communication (3 cr)  
COMM 415 Communication in Conflict (3 cr)  
COMM 445 Managerial Communication (3 cr)

### Oral Performance Area (3 credits required)

COMM 105B Public Speaking (3 cr)  
COMM 220 Introduction to Performance Studies (3 cr)  
COMM 315 Persuasion and Attitude Change (3 cr)

### Additional Requirements (15 credits required)

9 elective credits in Communication courses  
6 credits in Theatre courses

## **Communication Minor (18 credits required)**

A communication minor is available by completing 18 credits in the communication content area. With departmental permission, one theatre course may be included in the 18-credit minor.

## **Communication and Theatre Major for Teacher Certification (B.A.)**

A major and a minor in communication and theatre education are available to any student who wishes to seek Michigan Department of Education teaching certification in speech at the secondary school level. In order to graduate with this major or this minor, a student must complete the requirements indicated below, and also must satisfy the pertinent College of Education requirements.

### **Major Requirements**

Earn a total of 42 credits in communication and theatre courses. At least 18 of those credits must be at the upper division (300-400) level.

### **Specific breakdown:**

- A. Complete the indicated 27 credits of required courses, which includes 3 credits from the oral performance category.
- B. Complete at least 15 additional credits, of which 6 must be at the upper division (300-400) level, as follows:
  - Communication Track (3 credits required)
  - Theatre Track (3 credits required)
  - Remaining 9 credits may be selected from Communication Track, Theatre Track and/or the general department course list.

### **Required Courses (24 credits required)**

COMM 105A Fundamentals of Communication (3 cr)  
THEA 128A Introduction to Theatre (3 cr)  
THEA 255 Introduction to Directing (3 cr)  
COMM 270 Communication in Marketplace and Media (3 cr)  
COMM 345 Directing Forensics and Debate (3 cr)  
COMM 389 Family Communication (3 cr)  
COMM 405 Human Communication Theory (3 cr)  
COMM 435 Communication in the Classroom (3 cr)

### **Oral Performance (3 credits required)**

COMM 105B Public Speaking (3 cr)  
THEA 136 Introduction to Acting (3 cr)  
COMM 220 Introduction to Performance Studies (3 cr)

### **Communication Track (3 credits required)**

COMM 225 Nonverbal Communication (3 cr)  
COMM 227 Small Group Communication (3 cr)  
COMM 315 Persuasion and Attitude Change (3 cr)  
COMM 325 Business and Professional Communication (3 cr)

COMM 351 Interpersonal Communication (3 cr)  
COMM 365 Language, Thought and Behavior (3 cr)  
COMM 490 Selected Topics (3-4 cr)  
(May not substitute for an existing course)

### **Theatre Track (3 credits required)**

THEA 137! Acting and Analysis (3 cr)  
THEA 260 Introduction to Stagecraft and Theatre Design (3 cr)  
THEA 336 Intermediate Acting (3 cr)  
THEA 355 Intermediate Directing (3 cr)  
THEA 385 Principles and Practices in Arts Management (3 cr)  
THEA 470 Theatre for Children (3 cr)  
THEA 497 Senior Project in Theatre (3-6 cr)

**Electives**—9 additional credits chosen from the Communication Track, Theatre Track, or general department list.

### **Communication and Theatre Minor (24 credits required)**

#### **Required courses (21 credits)**

COMM 105A Fundamentals of Communication (3 cr)  
THEA 128A Introduction to Theatre (3 cr)  
THEA 255 Introduction to Directing (3 cr)  
THEA 260 Introduction to Stagecraft and Theatre Design (3 cr)  
COMM 345 Directing Forensics and Debate (3 cr)  
COMM 389 Family Communication (3 cr)  
COMM 435 Communication in the Classroom (3 cr)

#### **Oral Performance (3 credits required)**

COMM 105B Public Speaking (3 cr)  
THEA 136 Introduction to Acting (3 cr)  
COMM 220 Introduction to Performance Studies (3 cr)

## **Criminal Justice**

### **Department Faculty**

Holly Child, D. Burk Foster, Kenneth Gewerth, Richard Priehs

The criminal justice major is designed to provide students with a broad education based in the social sciences and, at the same time, introduce them to the goals and processes of the entire criminal justice system.

Objectives of the program are:

1. To prepare students for entry-level positions in a variety of public and private agencies related to criminal justice.
2. To provide the opportunity for practicing police officers to enhance their professional knowledge and abilities.
3. To provide students with the background necessary to pursue graduate studies.

## **Criminal Justice (B.A.)**

### **Foundation (13 credits required)**

PSYC 100 General Psychology (4 cr)

SOC 111 Introduction to Sociology (3 cr)

PS 123 The American Political System (3 cr)

One of the following philosophy courses:

PHIL 114 Introduction to Logic (3 cr)

PHIL 123 Introduction to Western Philosophy (3 cr)

PHIL 210A Applied Ethics in Law and Society (3 cr)

PHIL 230 Introduction to Social and Political Philosophy (3 cr)

PHIL 331 Law, Liberty and Morality (3 cr)

### **Major Courses (24 credits required)**

CJ 201 Introduction to Criminal Justice (3 cr)

CJ 301 Criminal Justice System in the USA (3 cr)

CJ 305 Criminal Law (3 cr)

CJ 330 American Constitutional Law (3 cr)

CJ 340 Correctional Policy and Treatment (3 cr)

CJ 381 Human Relations in Criminal Justice (3 cr)

CJ 410 Criminology (3 cr)

CJ 491 Seminar in Criminal Justice (3 cr)

### **Electives (15 credits required)**

PS 225 Statistics\* (4 cr)

PS/CJ 370 Federal and State Courts (3 cr)

PHIL 210A Applied Ethics in Law and Society (3 cr)

PHIL 230 Introduction to Social and Political Philosophy (3 cr)

PHIL 331 Law, Liberty and Morality (3 cr)

CJ 250 Forensic Science (4 cr)

CJ 315 Security Systems Administration (3 cr)

CJ 326 Research Applications in Criminal Justice\*\* (3 cr)

CJ 345 Correctional Practice (3 cr)

CJ 350 The Juvenile Justice System (3 cr)

CJ 360 Evidence and Criminal Procedure (3 cr)

CJ 380 Social and Political Problems in Law Enforcement (3 cr)

CJ 385 Comparative Criminal Justice System (3 cr)

CJ 388 Elderly Offender (3 cr)

CJ 401 Community Corrections (3 cr)

CJ 402 Case Law Studies (3 cr)

CJ 490 Selected Topics in Criminal Justice (1-4 cr)

CJ 493 Directed Reading in Criminal Justice (1-4 cr)

CJ 494 Directed Research in Criminal Justice (1-4 cr)

CJ 496 Field Work [may be taken twice for credit] (3 cr)

CJ 497 Police Academy Training (12 cr)

YS 300 Child Welfare Policies and Procedures (3 cr)

YS 330 Child Abuse and Neglect (3 cr)

SOC 300 Social Inequality and Human Diversity (3 cr)

SOC 346 Juvenile Delinquency (3 cr)

\* Only PS 225, or its equivalent, will be accepted for admission requirements to the Master of Arts/Administrative Science.

\*\* CJ 326 is strongly recommended

**Interdisciplinary Requirement (21 credits required--no more than 12 credits from any one discipline.)**

[Students may elect this option rather than completing a disciplinary minor. Students may not do both.]

SOC 112 Introduction to Anthropology (3 cr)

SOC 236 Social Problems (3 cr)

SOC 300 Social Inequality and Human Diversity (3 cr)

SOC 327 Social Psychology (3 cr)

SOC 328 Group Dynamics (3 cr)

SOC 345 Urban Sociology (3 cr)

SOC 346 Juvenile Delinquency (3 cr)

SOC 351 Interpersonal Communication (3 cr)

SOC 352 Organizational Communications (3 cr)

PS 118 Introduction to Political Science (3 cr)

PS 260 Public Organization and Administration (3 cr)

PS 262 State and Local Gov't: Politics/Public Policy (3 cr)

PS 335 Political Ideologies (3 cr)

PSYC 370 Theories of Personality (3 cr)

PSYC 372 Abnormal Psychology (3 cr)

PHIL 210A Applied Ethics in Law and Society (3 cr)

PHIL 230 Introduction to Social and Political Philosophy (3 cr)

PHIL 331 Law, Liberty and Morality (3 cr)

SW 215 Introduction to Social Welfare/Social Work (3 cr)

ENGL 300 Writing in the Professions (3 cr)

Recommended minor in public administration for criminal justice majors: Complete 18 credits in the following courses: PS 118 or PS 123, PS 260, PS 262, PS 345, PS 365, and one of CJ 491 or SOC 331.

**Criminal Justice Minor (18 credits required)**

Required Courses (15 credits)

CJ 201 Introduction to Criminal Justice (3 cr)

CJ 301 Criminal Justice System in the USA (3 cr)

CJ 330 American Constitutional Law (3 cr)

CJ 340 Correctional Policy and Treatment (3 cr)

CJ 381 Human Relations in Criminal Justice (3 cr)

CJ 410 Criminology (3 cr)

Required Elective (3 credits from criminal justice)

# English

## Department Faculty

Adrienne Baker, Marianne Bird, Bethany Buchholz, Patricia Cavanaugh, Basil Clark, Daniel Cook, Ruth Copp, Fenobia Dallas, Eric Gardner, Nathan Garrelts, Christopher Giroux, Lynne Graft, Katherine H. Harley, Mary Harmon, Phyllis Hastings, Judith Kerman, John Lesko, Gillan Markey, Tamara Migan, Marsha Millikin, Paul Munn, Susan Plachta, Helen Raica-Klotz, Elizabeth Rich, C. Vincent Samarco, Ruth Sawyers, Kerry W. Segel, Melissa Seitz, Heather Speweik, Crystal Starkey, James P. Sullivan, Gary Thompson, Mason Y.H. Wang, W. Leslie Whittaker, William Williamson, Janice Wolff

The skills, knowledge and understanding acquired through the English major are excellent preparation for careers in education, law, business, medicine, government, journalism, editing, publishing and many others. The study of language and literature provides students with an opportunity to develop a better understanding of themselves and the world around them. Through courses that range from classic literature to new research technologies, students can acquire the skills necessary for effective use of language and for analyzing issues of relevance to individuals and society. These courses offer a foundation for effective interpersonal communication as well as an understanding of content area that is needed in today's society, and enable students to participate as critical thinkers well equipped to engage in the public discourse of our time.

Students may choose to earn degrees in English in one of four emphases:

1. Literature
2. Creative Writing
3. Professional and Technical Writing
4. Teacher Certification

Like many areas of contemporary culture, English is evolving as professionals in the field contend with the implications of new media and reconsider what is needed to be literate in the new century. These emphases are designed to give students the adaptability and flexibility to keep up with such challenges.

## Degree Programs Offered

1. Bachelor of Arts, English – Literature
2. Bachelor of Arts, English – Creative Writing
3. Bachelor of Arts, English – Professional and Technical Writing
4. Bachelor of Arts, English – Teacher Certification

## Minors

1. General Minor in English
2. Creative Writing
3. Applied Writing
4. Secondary Education Teacher Certification

## Courses in English Studies

1. Foundation Courses
2. Creative and Professional Writing Courses
3. Language Courses
4. Survey Courses

5. American Literature Courses
6. Literary Periods
7. Single Author Courses
8. Theory Courses
9. Genre Courses

## **English (B.A.)**

Students may choose from one of three majors available through the English Department: Literature, Creative Writing, and Professional and Technical Writing.

### **Literature Major (40 credits required, including a one-credit capstone and a minimum of 22 credits at the 300-400 level)**

A minor is required.

#### **Required Courses (16 credits required)**

- ENGL 201 Introduction to Literary Studies (3 cr)
- ENGL 205 Studies in World Literature (3 cr)
- ENGL 301 Writing Interpretive Papers (3 cr)
- ENGL 311 Literature of Great Britain and the U.S. I (3 cr)
- ENGL 312 Literature of Great Britain and the U.S. II (3 cr)
- ENGL 499 English Colloquium (1 cr)

**Elective Categories (21 credits required; in addition to ENGL 311, one 300-400 level course in literature prior to 1800 is required.)**

#### **Language (3 credits required)**

- ENGL 244 Introduction to Language Study (3 cr)
- ENGL 345 History of the English Language (3 cr)
- ENGL 355 Language in Society (3 cr)

#### **American Literature (3 credits required)**

- ENGL 307 Ethnic Literature in the U.S. (3 cr)
- ENGL 341 Contemporary American Fiction (3 cr)
- ENGL 441 Topics in 19th Century American Literature (3 cr)
- ENGL 442 Topics in 20th Century American Literature (3 cr)

#### **Literary Genres (3 credits required)**

- ENGL 334 Studies in Poetry (3 cr)
- ENGL 336 Studies in Fiction (3 cr)
- ENGL 338 Studies in Drama (3 cr)

#### **Literary Periods (6 credits required from two different courses)**

- ENGL 410 Topics in Medieval and Early Modern Literature (3 cr)
- ENGL 426 Topics in 17th and 18th Century Literature (3 cr)

ENGL 431 Topics in 19th Century British Literature (3 cr)  
ENGL 434 Topics in 20th Century British and Post-Colonial Literature (3 cr)

**Single Author (3 credits required)**

ENGL 415 Seminar in Selected Author Prior to 1800 (3 cr)  
ENGL 417 Seminar in Selected Author Post 1800 (3 cr)

**Theory (3 credits required)**

ENGL 372 History of Literary Criticism (3 cr)  
ENGL 373 Literary Theory (3 cr)  
ENGL 480 Studies in Rhetoric (3 cr)

**Electives (3 credits required)**

Majors are required to choose 3 credits in any 200-400 level English course and may include 500 level graduate courses with permission of the instructor; topical courses [ENGL 334, ENGL 441, ENGL 415, etc] may be repeated for elective credit under a different title.

**Creative Writing Major (39 credits required)**

A minor is required.

**Required Courses (15 credits required)**

ENGL 201 Introduction to Literary Studies (3 cr)  
ENGL 261 Introduction to Creative Writing (3 cr)  
ENGL 305 Creative Writing: Poetry (3 cr)  
ENGL 306 Creative Writing: Fiction (3 cr)  
ENGL 461 Seminar in Creative Writing (3 cr)

**Elective Categories (21 credits required)**

**Introduction to Writing (3 credits required)**

ENGL 212 Topics in Critical Writing (3 cr)  
ENGL 260 Introduction to Professional and Technical Writing (3 cr)  
ENGL 262 Introduction to Journalism (3 cr)  
ENGL 285 Writing in Electronic Spaces (3 cr)

**Backgrounds to Literature (3 credits required)**

ENGL 311 Literature of Great Britain and the U.S. I (3 cr)  
ENGL 312 Literature of Great Britain and the U.S. II (3 cr)

**Applied Writing (3 credits required)**

ENGL 300 Writing in the Professions (3 cr)  
ENGL 301 Writing Interpretive Papers (3 cr)  
ENGL 304 Technical Report Writing (3 cr)

### **Language (3 credits required)**

ENGL 244 Introduction to Language Study (3 cr)  
ENGL 345 History of the English Language (3 cr)  
ENGL 355 Language in Society (3 cr)  
ENGL 360 Grammar of Contemporary English (3 cr)

### **Literary Genres (3 credits required)**

ENGL 334 Studies in Poetry (3 cr)  
ENGL 336 Studies in Fiction (3 cr)  
ENGL 338 Studies in Drama (3 cr)

### **Literature (3 credits required in a 300-400 level Literature course)**

### **Concepts in Writing (3 credits required)**

ENGL 383 Tutoring Writing (3 cr)  
ENGL 400 Editing (3 cr) [recommended]  
ENGL 480 Studies in Rhetoric (3 cr)  
ENGL 490 Topics in Writing (3 cr)

### **Electives (3 credits required)**

Majors are required to choose 3 credits in any 200-400 level English course, including General Education Literature, and may include 500 level graduate courses with permission of the instructor.

## **Professional and Technical Writing Major (39 credits required)**

A minor is required.

### **Required Courses (21 credits required)**

ENGL 260 Introduction to Professional and Technical Writing (3 cr)  
ENGL 285 Writing in Electronic Spaces (3 cr)  
ENGL 300 Writing in the Professions (3 cr)  
ENGL 304 Technical Report Writing (3 cr)  
ENGL 296/396 Internship in Professional and Technical Writing (3 cr)  
ENGL 400 Editing (3 cr)  
ENGL 480 Studies in Rhetoric (3 cr)  
ENGL 481 Managing Documentation Projects (3 cr)

### **Writing in Context (3-6 credits required—select 1 or 2 courses)**

ENGL 261 Introduction to Creative Writing (3 cr)  
ENGL 262 Introduction to Journalism (3 cr)  
ENGL 340 Writing in Community Organizations (3 cr)

### **Language Study (3 credits required)**

ENGL 355 Language in Society (3 cr)

ENGL 360 Grammar of Contemporary English (3 cr) [recommended]

### **Professional Electives (6-9 credits required—select 2 or 3 courses)**

ENGL 296/396 Internship in Professional and Technical Writing (3 cr) [may be repeated for credit]

ENGL 383 Tutoring Writing (3 cr)

ENGL 390 Special Topics in Writing (3 cr)

Any course not elected from the Writing in Context category (3 cr)

ART 250 Introduction to Graphic Design (3 cr)

ART 260 Introduction to Computer Graphic Design (3 cr)

ART 365 Intermediate Computer Graphic Design (3 cr)

ART 370 Photoshop (3 cr)

ART 420 Video Production for Multimedia (3 cr)

COMM 227 Small Group Communication (3 cr)

COMM 270 Marketplace and Media (3 cr)

COMM 325 Business and Professional Communication (3 cr)

PHIL 205A/B[CI] Professional Ethics (3 cr)

PHIL 210A/B Applied Ethics (3 cr)

### **English Major for Teacher Certification (B.A.)**

An English major is available to students desiring to teach at the secondary level. It requires completion of the 48-hour major described below, completion of a 20-hour minor in an approved department and completion of professional development courses described in the College of Education section.

### **Literature (24 credits required)**

**Foundation (3 credits required)** ENGL 201 is a prerequisite for all 300-400 level literature courses.

ENGL 201 Introduction to Literary Studies (3 cr)

#### **British Literature (6 credits required)**

ENGL 311 Literature of Great Britain and the U.S. I (3 cr)

ENGL 410 Topics in Medieval and Early Modern Literature (3 cr)

ENGL 415 Seminar in Selected Author Prior to 1800 (3 cr) [when not offered as Shakespeare]

ENGL 417 Seminar in Selected Author Post 1800 (3 cr) [when British author]

ENGL 426 Topics in 17th and 18th Century Literature (3 cr)

ENGL 431 Topics in 19th Century British Literature (3 cr)

ENGL 434 Topics in 20th Century British and Post-Colonial Literature (3 cr)

#### **American Literature (6 credits required)**

ENGL 271 American Literature (3 cr)

ENGL 272 American Literature (3 cr)

ENGL 307 Ethnic Literature in the U.S. (3 cr)

ENGL 312 Literature of Great Britain and the U.S. II (3 cr)

ENGL 341 Contemporary American Fiction (3 cr)

ENGL 441 Topics in 19th Century American Literature (3 cr)

ENGL 442 Topics in 20th Century American Literature (3 cr)

**Shakespeare (3 credits required)**

ENGL 315 Survey of Shakespeare (3 cr)

ENGL 415 Seminar in Selected Author Prior to 1800 (3 cr) [when offered as Shakespeare]

**World Literature (3 credits required)**

ENGL 205 Studies in World Literature (3 cr)

or other world literature course with approval of English Department

**Young Adult Literature (3 credits required)**

ENGL 254 Young Adult Literature (3 cr)

**Language and Writing (9 credits required)****Language (6 credits required ENGL 355 or ENGL 370 highly recommended)**

3 credits from:

ENGL 350 Dialects in Contemporary English (3 cr)

ENGL 355 Language in Society (3 cr)

ENGL 370 Language In Education (3 cr)

3 credits from:

ENGL 360 Grammar of Contemporary English (3 cr)

ENGL 365 Teaching English to Speakers of Other Languages [TESOL] (3 cr)

**Writing (3 credits required)**

ENGL 301 Writing Interpretive Papers (3 cr)

**Pedagogy (6 credits required)**

ENGL 380 Teaching the Art of Writing (3 cr)

ENGL 482 Methods of Teaching English (3 cr)

**Electives (9 credits required)****Either one 3-credit course listed below, or an elective in language or writing:**

ENGL 244 Introduction to Language Study (3 cr)

ENGL 260 Introduction to Professional and Technical Writing (3 cr)

ENGL 261 Introduction to Creative Writing (3 cr)

ENGL 262 Introduction to Journalism (3 cr)

ENGL 305 Creative Writing: Poetry (3 cr)

ENGL 306 Creative Writing: Fiction (3 cr)

ENGL 345 History of the English Language (3 cr)

ENGL 350 Dialects in Contemporary English (3 cr)

ENGL 355 Language in Society (3 cr)

ENGL 360 Grammar of Contemporary English (3 cr)

ENGL 365 Teaching English to Speakers of Other Languages [TESOL] (3 cr)

ENGL 370 Language in Education (3 cr)

ENGL 383 Tutoring Writing (3 cr)

ENGL 480 Studies in Rhetoric, or 300- or 400-level elective (3 cr)

**3 credits from:**

200-400 level English elective (3 cr)

**3 credits from:**

Any 300-400-level elective in literature (3 cr)  
ENGL 307 Ethnic Literature in the U.S. (3 cr)  
ENGL 312 Literature of Great Britain and the U.S. II (3 cr)  
ENGL 315 Survey of Shakespeare (3 cr)  
ENGL 334 Studies in Poetry (3 cr)  
ENGL 336 Studies in Fiction (3 cr)  
ENGL 338 Studies in Drama (3 cr)  
ENGL 341 Contemporary American Fiction (3 cr)  
ENGL 410 Topics in Medieval and Early Modern Literature (3 cr)  
ENGL 415 Seminar in Selected Author Prior to 1800 (3 cr)  
ENGL 417 Seminar in Selected Author Post 1800 (3 cr)  
ENGL 426 Topics in 17th and 18th Century Literature (3 cr)  
ENGL 431 Topics in 19th Century British Literature (3 cr)  
ENGL 434 Topics in 20th Century British and Post-Colonial Literature (3 cr)  
ENGL 441 Topics in 19th Century American Literature (3 cr)  
ENGL 442 Topics in 20th Century American Literature (3 cr)  
ENGL 491 Special Seminars-Literature Topic (1-4 cr)  
ENGL 300-400 level New topics in literature (3 cr)

**Minors**

Three English minors are available by completing 18 credits in 200-400 level English courses, including 9 credits at the 300-400 level: English, Creative Writing, Professional and Technical Writing. In addition, a minor for secondary education teacher certification requiring the completion of 24 credits is available.

**English Minor (18 credits required)****Required courses (9 credits)**

ENGL 201 Introduction to Literary Study (3 cr)  
ENGL 244 Introduction to Language Studies (3 cr)  
ENGL 301 Writing Interpretive Papers (3 cr)

**Electives (9 credits required)**

3 credits in any 200-400 level English course  
6 credits in any 300-400 level English course

**Creative Writing Minor (18 credits)****Required courses (15 credits)**

ENGL 201 Introduction to Literary Studies (3 cr)  
ENGL 244 Introduction to Language Study (3 cr)  
ENGL 261 Introduction to Creative Writing (3 cr) [Prerequisite for ENGL 305/306]

One course from:

ENGL 305 Creative Writing: Poetry (3 cr)  
ENGL 306 Creative Writing: Fiction (3 cr)  
ENGL 461 Seminar in Creative Writing (3 cr)

**Elective:** any 200-400 level English course (3 cr)

## **Professional and Technical Writing Minor (18 credits)**

### **Required courses (12 credits)**

ENGL 260 Introduction to Professional and Technical Writing (3 cr)

ENGL 285 Writing in Electronic Spaces (3 cr)

ENGL 300 Writing in the Professions (3 cr)

ENGL 304 Technical Report Writing (3 cr)

### **Professional Electives (6 credits required)**

One course from:

ENGL 261 Introduction to Creative Writing (3 cr)

ENGL 262 Introduction to Journalism (3 cr)

ENGL 244 Introduction to Language Study (3 cr)

ENGL 340 Writing in Community Organizations (3 cr)

ENGL 360 Grammar of Contemporary English (3 cr) [recommended]

ENGL 296/396 Internship in Professional and Technical Writing (3 cr)

ENGL 390 Special Topics in Writing (3 cr)

ENGL 400 Editing (3 cr)

ENGL 480 Studies in Rhetoric (3 cr)

ENGL 481 Managing Documentation Projects (3 cr)

## **English Education Minor for Teacher Certification (24 credits required)**

### **Required courses (12 credits)**

ENGL 201 Introduction to Literary Studies (3 cr)

One course from:

ENGL 300 Writing in the Professions (3 cr)

ENGL 301 Writing Interpretive Papers (3 cr)

ENGL 380 Teaching the Art of Writing (3 cr)

ENGL 482 Methods of Teaching English (3 cr)

### **Electives (12 credits required)**

One 300-level language elective from:

ENGL 345 History of the English Language (3 cr)

ENGL 350 Dialects in Contemporary English (3 cr)

ENGL 355 Language in Society (3 cr)

ENGL 360 Grammar of Contemporary English (3 cr)

ENGL 365 TESOL I: Introduction to Language Acquisition and Teaching (3 cr)

ENGL 370 Language in Education (3 cr)

or other courses by approval of the English Department

Three literature electives, two of which must be at the 300-400 level:

One American Literature elective from:

ENGL 271 American Literature (3 cr)  
ENGL 272 American Literature (3 cr)  
ENGL 307 Ethnic Literature in the U.S. (3 cr)  
ENGL 312 Literature of Great Britain and the U.S. II (3 cr)  
ENGL 341 Contemporary American Fiction (3 cr)  
ENGL 441 Topics in 19<sup>th</sup> Century American Literature (3 cr)  
ENGL 442 Topics in 20<sup>th</sup> Century American Literature (3 cr)  
or other courses by approval of the English Department

One British Literature elective from:

ENGL 311 Literature of Great Britain and the U.S. I (3 cr)  
ENGL 315 Survey of Shakespeare (3 cr)  
ENGL 410 Topics in Medieval and Early Modern Literature (3 cr)  
ENGL 415 Seminar in Selected Author Prior to 1800 (3 cr)  
ENGL 417 Seminar in Selected Author Post 1800 (3 cr) [when British author]  
ENGL 426 Topics in 17<sup>th</sup> and 18<sup>th</sup> Century Literature (3 cr)  
ENGL 431 Topics in 19<sup>th</sup> Century British Literature (3 cr)  
ENGL 434 Topics in 20<sup>th</sup> Century British and Post-Colonial Literature (3 cr)  
or others by approval of the English Department

One additional literature elective, 200-400 level

NOTE: ENGL 201 is a required course for majors and minors, and a prerequisite for all upper-division literature courses.

## **English as a Second Language: Minor Endorsement**

This course of study is designed to meet the state of Michigan requirements for teacher certification in English as a Second Language (ESL). To obtain this endorsement, students must complete the requirements of the program as given below, pass the certification test in this area, and obtain a Michigan teaching certificate. This is a minor endorsement for elementary or secondary levels.

### **ESL Minor Endorsement ( 24 credits required)**

#### **TESOL Core Courses (15 credits required)**

ENGL 244 Introduction to Language Study (3 cr)  
ENGL 365 TESOL I: Introduction to Language Acquisition and Teaching (3 cr)  
ENGL 465 TESOL II: Assessment, Materials and Methods (3 cr)  
ENGL 496 Practicum in TESOL (6 cr)

#### **English Language Study (3 credits required)**

ENGL 345 History of the English Language (3 cr)  
ENGL 350 Dialects in Contemporary English (3 cr)

#### **Linguistics (3 credits required)**

ENGL 355 Language in Society (3 cr)  
ENGL 370 Language in Education (3 cr)

### **Contemporary Cultures Requirement (3 credits required)**

COMM 455 Intercultural Communication (3 cr)

SOC 370 The Family Cross-Culturally (3 cr)

TE 446 Cultural Differences in Education (3 cr)

### **Teaching English to Speakers of Other Languages: Certificate**

This certificate program is designed primarily for students wishing to teach English to speakers of other languages in adult education settings or outside the United States, and whose career needs do not mandate a state of Michigan teaching certificate.

The certificate in TESOL includes 18 credits of courses and a three-credit practicum. Students also must fulfill a language requirement of a minimum of two semester-long courses of college-level study in a single language, or its equivalent. No student may register for the practicum without approval from the program advisor at least one semester prior to beginning the practicum. The specific course requirements of the program are as follows:

#### **Certificate in TESOL (21 credits required)**

##### **Required Courses (15 credits)**

ENGL 244 Introduction to Language Study (3 cr)

ENGL 360 Grammar of Contemporary English (3 cr)

ENGL 365 TESOL I: Introduction to Language Acquisition and Teaching (3 cr)

ENGL 465 TESOL II: Assessment, Materials and Methods (3 cr)

ENGL 496 Practicum in TESOL (3 cr)

##### **Restrictive English Electives (3 credits required)**

ENGL 345 History of the English Language (3 cr)

ENGL 355 Language in Society (3 cr)

ENGL 370 Language in Education (3 cr)

##### **Contemporary Cultures Requirement (3 credits required)**

COMM 455 Intercultural Communication (3 cr)

SOC 405 Cross-Cultural Relations (3 cr)

TE 446 Cultural Differences in Education (3 cr)

(For studies of single cultures or other courses that may qualify, see advisor)

**Language Requirement:** Two semesters of college-level language study in a single language other than English, or its equivalent. This requirement can be altered for native speakers of a language other than English.

# History and Geography

## Department Faculty

Martin Arford, Robert Braddock, John Grolle, Danny Hsu, Brad Jarvis, Kenneth Jolly, Nameeta Mathur, John Patrick Mullins, Eric Petersen, Evelyn Ravuri, Thomas Renna, Frederick Sunderman, Melissa Teed, Paul Teed

The Department of History offers a major in history. The requirements for the major are the same for students whether or not they plan to seek Teacher Certification in secondary education. The department also offers minors in history for both education and non-education students (see below). The major requires at least 9 credits of foundation courses and at least 30 credits of 200 and 300 level electives distributed over three categories: US, Europe and World. Majors must also take the 3-credit HIST 499, Senior Seminar Capstone Course, for a program total of 42 credits. A minor is also required. HIST 111, Introduction to Historical Study, introduces students to the major and also serves as a written communication course for Category 10 in General Education. The History Department requires all history majors to take this course for their second semester written communication requirement.

Students considering taking history courses should observe the following definitions:

100 – Broad surveys (suitable for all students)

200 – Specialized surveys (suitable for all students)

300 – Intensive studies (suitable for Seniors, Juniors and Sophomores who have completed at least one history course)

Students should consult their departmental advisor or the department chair to plan a program of study to fit their individual, personal and career objectives. A history major is excellent preparation for professional postgraduate training in business, education, law and public administration.

## History Major (B.A.)

### Basic Objectives

The History Major and Minor at Saginaw Valley State University are designed to provide students with a firm grounding in history as an academic discipline. Such a grounding includes substantial and diverse content knowledge in American, European and World History, analytical and interpretive skills, the writing and evaluation of historical argumentation.

### Program Description

Foundation courses: 9 cr

Elective courses: 30 cr

Capstone: 3 cr

Total credits: 42

A minor is required.

All history courses teach students to formulate historical questions and to construct narratives and interpretations. Issues of diversity, including race, ethnicity, class, and gender are not only addressed in individual classes on both the survey and upper division level, but also by the structure of the program which requires that students take courses across three regional/global content categories.

## **Foundations in History (9 credits required)**

One course from:

HIST 100B U.S. To 1877 (3 cr)

HIST 100C U.S. Since 1877 (3 cr)

One course from:

HIST 100D The World to 1500 (3 cr)

HIST 100E The World Since 1500 (3 cr)

HIST 111 Introduction to Historical Study (3 cr)

The required survey courses in American and World History introduce students to the major narratives, events and individuals that have shaped the past.

## **Electives in History (minimum of 30 credits required)**

In addition to the above Foundation courses, majors are required to take at least 30 credits of electives with at least 18 credits distributed among the three categories designated below. Students must take a minimum of two courses in each category. At least 18 elective credits must be at the 300-level. These electives are designed to provide additional content knowledge, chronological understanding and historical practice. To insure diversity in subject matter, the department requires elective courses in world regional histories in addition to courses in United States history.

Elective Categories: United States, Europe, World

### **United States (minimum of 6 credits required)**

HIST 241 History of Michigan (3 cr)

HIST 308 History of the Spanish Borderlands (3 cr)

HIST 310 United States History in the Colonial Period (3 cr)

HIST 311 United States History During the Revolution (3 cr)

HIST 313 United States History During the Era of Andrew Jackson (3 cr)

HIST 314 United States History During the Civil War and Reconstruction (3 cr)

HIST 316 America and the World, 1900-1945 (3 cr)

HIST 317 America and the World, 1945-Present (3 cr)

HIST 318 20th Century American Social Movements (3 cr)

HIST 319 African-American History (3 cr)

HIST 320 United States Women's History (3 cr)

HIST 321 United States Social History to 1877 (3 cr)

HIST 323 American Intellectual/Cultural History (3 cr)

HIST 325 American Frontier History (3 cr)

HIST 326 The Black Freedom Struggle, 1941-Present (3 cr)

HIST 329 The Vietnam War (3 cr)

HIST 390A Special Topics in US History (3 cr)

### **Europe (minimum of 6 credits required)**

HIST 220 Survey of European History (3 cr)

HIST 322 European Intellectual/Cultural History (3 cr)

HIST 324 Modern European Women's History (3 cr)

HIST 330 Euro-American History in the 20th Century (3 cr)

HIST 331 History of Tudor-Stuart England (3 cr)  
HIST 332 Modern Britain 1688-1970 (3 cr)  
HIST 344 France: 1515-1815 (3 cr)  
HIST 345 History of Modern France: 1815-Present (3 cr)  
HIST 351 History of Modern Germany (3 cr)  
HIST 352 History of Modern Russia Since 1801 (3 cr)  
HIST 353 History of Eastern Europe (3 cr)  
HIST 354 History of Poland (3 cr)  
HIST 361 Early Middle Ages, 300-1050 (3 cr)  
HIST 362 Europe in the High Middle Ages, 1050-1350 (3 cr)  
HIST 363 Renaissance, 1350-1515 (3 cr)  
HIST 364 Age of the Reformation, 1515-1715 (3 cr)  
HIST 365 Age of Democratic Revolutions (3 cr)  
HIST 366 History of Europe in the 19th Century, 1815-1914 (3 cr)  
HIST 367 History of Europe from 1914-1945 (3 cr)  
HIST 368 History of Post-War Europe (3 cr)  
HIST 373 Ancient Roman Republic and Empire to AD 300 (3 cr)  
HIST 390B Special Topics in European History (3 cr)

### **World (minimum of 6 credits required)**

HIST 213/PHIL 213 Survey of South Asian History (3 cr)  
HIST 215/PHIL 215 Survey of East Asian History (3 cr)  
HIST 230 Survey of Latin American History (3 cr)  
HIST 307 Early Latin America (3 cr)  
HIST 309 History of Mexico (3 cr)  
HIST 355 Modern China (3 cr)  
HIST 357 Modern Japan (3 cr)  
HIST 359 Modern India (3 cr)  
HIST 372 Ancient Near East to 300 BC (3 cr)  
HIST 380 Historical Geography of Africa (3 cr)  
HIST 390C Special Topics in World History (3 cr)

### **Required Capstone Course (3 credits)**

HIST 499 Senior Seminar (3 cr)

This course is an advanced course in historiography in which students learn to evaluate and critique the working assumptions of historians. Focusing on innovative research techniques, problems and opportunities in the historical record itself, and the impact of social change on the writing of history, students develop a sophisticated understanding of history as a discipline. The course culminates with student projects based upon original research.

Honors in History:

Completion of the History Major with a GPA in History of 3.50, and an SVSU cumulative GPA of 3.20.

Completion of HIST 497 Senior Thesis (3 cr)

### **History Minor (21 credits required)**

Foundation Courses (9 credits required, same distribution as for majors)

Elective Courses (12 credits required)

## **History Major for Teacher Certification (B.A.)**

### Basic Objectives

The History Education Major and Minor at Saginaw Valley State University are designed to provide prospective teachers with a firm grounding in history as an academic discipline in preparation for a career in education. Such a grounding includes substantial and diverse content knowledge in American, European and World History, analytical and interpretive skills, the writing and evaluation of historical argumentation, and the instructional skills needed to teach history on the secondary school level. The curriculum summarized below is directly aligned with the Michigan State Board of Education's 2001 Standards and Benchmarks for History and reflects substantial coordination between the Departments of History and Teacher Education.

### **Program Description**

Foundation courses: 15 credits

Elective courses: 24 credits

Capstone: 3 credits

Total credits in content major = 42

Students must also complete a certifiable minor and secondary education professional studies course work.

All history courses teach students to formulate historical questions and to construct narratives and interpretations. Issues of diversity, including race, ethnicity, class, and gender are not only addressed in individual classes on both the survey and upper division level, but also by the structure of the program which requires that students take courses across three regional/global content categories.

### **Foundations in History (15 credits)**

HIST 100B United States History to 1877 (3 cr)

HIST 100C United States History Since 1877 (3 cr)

HIST 100D The World to 1500 (3 cr)

HIST 100E The World Since 1500 (3 cr)

HIST 111 Introduction to Historical Study (3 cr)

The required survey courses in American and World History introduce students to the major narratives, events and individuals that have shaped the past. While these surveys are primarily designed to provide students with historical content, they also encourage students to make interdisciplinary connections which include geographical, civic, and economic perspectives.

### **Electives in History (minimum of 24 credits required)**

In addition to the above Foundation courses, majors are required to take at least 24 credits of electives with at least 18 credits distributed among the three categories designated below. Students must take a minimum of two courses in each category. At least 18 elective credits must be at the 300-level. These electives are designed to provide additional content knowledge, chronological understanding and historical practice. To insure diversity in subject matter, the department requires elective courses in world regional histories in addition to courses in United States history.

Elective Categories: United States, European, World

### **United States (minimum of 6 credits required)**

HIST 241 History of Michigan (3 cr)

HIST 308 History of the Spanish Borderlands (3 cr)

HIST 310 United States History in the Colonial Period (3 cr)  
HIST 311 United States History During the Revolution (3 cr)  
HIST 313 United States History During the Era of Andrew Jackson (3 cr)  
HIST 314 United States History During the Civil War and Reconstruction (3 cr)  
HIST 316 America and the World, 1900-1945 (3 cr)  
HIST 317 America and the World, 1945-Present (3 cr)  
HIST 318 20th Century American Social Movements (3 cr)  
HIST 319 African-American History (3 cr)  
HIST 320 United States Women's History (3 cr)  
HIST 321 United States Social History to 1877 (3 cr)  
HIST 323 American Intellectual/Cultural History (3 cr)  
HIST 325 American Frontier History (3 cr)  
HIST 326 The Black Freedom Struggle, 1941-Present (3 cr)  
HIST 329 The Vietnam War (3 cr)  
HIST 390A Special Topics in U.S. History (3 cr)

**Europe (minimum of 6 credits required)**

HIST 220 Survey of European History (3 cr)  
HIST 322 European Intellectual/Cultural History (3 cr)  
HIST 324 Modern European Women's History (3 cr)  
HIST 330 Euro-American History in the 20th Century (3 cr)  
HIST 331 History of Tudor-Stuart England (3 cr)  
HIST 332 Modern Britain 1688-1970 (3 cr)  
HIST 344 France: 1515-1815 (3 cr)  
HIST 345 History of Modern France: 1815-Present (3 cr)  
HIST 351 History of Modern Germany (3 cr)  
HIST 352 History of Modern Russia Since 1801 (3 cr)  
HIST 353 History of Eastern Europe (3 cr)  
HIST 354 History of Poland (3 cr)  
HIST 361 Early Middle Ages, 300-1050 (3 cr)  
HIST 362 Europe in the High Middle Ages, 1050-1350 (3 cr)  
HIST 363 Renaissance, 1350-1515 (3 cr)  
HIST 364 Age of the Reformation, 1515-1715 (3 cr)  
HIST 365 Age of Democratic Revolutions (3 cr)  
HIST 366 History of Europe in the 19th Century, 1815-1914 (3 cr)  
HIST 367 History of Europe from 1914-1945 (3 cr)  
HIST 368 History of Post-War Europe (3 cr)  
HIST 373 Ancient Roman Republic and Empire to AD 300 (3 cr)  
HIST 390B Special Topics in European History (3 cr)

**World (minimum of 6 credits required)**

HIST 213/PHIL 213 Survey of South Asian History (3 cr)  
HIST 215/PHIL 215 Survey of East Asian History (3 cr)  
HIST 230 Survey of Latin American History (3 cr)  
HIST 307 Early Latin America (3 cr)  
HIST 309 History of Mexico (3 cr)  
HIST 355 Modern China (3 cr)  
HIST 357 Modern Japan (3 cr)  
HIST 359 Modern India (3 cr)  
HIST 372 Ancient Near East to 300 BC (3 cr)

HIST 380 Historical Geography of Africa (3 cr)  
HIST 390C Special Topics in World History (3 cr)

**Required Capstone Course (3 credits)**

HIST 499: Senior Seminar (3 cr)

This course is an advanced course in historiography in which students learn to evaluate and critique the working assumptions of historians. Focusing on innovative research techniques, problems and opportunities in the historical record itself, and the impact of social change on the writing of history, students develop a sophisticated understanding of history as a discipline. The course culminates with student projects based upon original research.

Honors in History: Completion of History Education major with GPA in History of 3.50, a cumulative SVSU GPA of 3.20, and completion of a Senior Thesis (HIST 497).

**History Minor for Teacher Certification (21 credits required)**

**Foundation Courses (15 credits required)**

HIST 100B United States to 1877 (3 cr)  
HIST 100C United States Since 1877 (3 cr)  
HIST 100D The World to 1500 (3 cr)  
HIST 100E The World Since 1500 (3 cr)  
HIST 111 Introduction to Historical Study (3 cr)

**Elective Courses (6 credits required)**

**U.S. History Elective Category (3 cr)**

HIST 241 History of Michigan (3 cr)  
HIST 308 History of the Spanish Borderlands (3 cr)  
HIST 310 United States History in the Colonial Period (3 cr)  
HIST 311 United States History During the Revolution (3 cr)  
HIST 313 United States History During the Era of Andrew Jackson (3 cr)  
HIST 314 United States History During the Civil War and Reconstruction (3 cr)  
HIST 316 America and the World, 1900-1945 (3 cr)  
HIST 317 America and the World, 1945-Present (3 cr)  
HIST 318 20th Century American Social Movements (3 cr)  
HIST 319 African-American History (3 cr)  
HIST 320 United States Women's History (3 cr)  
HIST 321 United States Social History to 1877 (3 cr)  
HIST 323 American Intellectual/Cultural History (3 cr)  
HIST 325 American Frontier History (3 cr)  
HIST 326 The Black Freedom Struggle, 1941-Present (3 cr)  
HIST 329 The Vietnam War (3 cr)  
HIST 390A Special Topics in U.S. History (3 cr)

**World History Elective Category (3 cr)**

HIST 213/PHIL 213 Survey of South Asian History (3 cr)

HIST 215/PHIL 215 Survey of East Asian History (3 cr)  
HIST 230 Survey of Latin American History (3 cr)  
HIST 307 Early Latin America (3 cr)  
HIST 309 History of Mexico (3 cr)  
HIST 355 Modern China (3 cr)  
HIST 357 Modern Japan (3 cr)  
HIST 359 Modern India (3 cr)  
HIST 372 Ancient Near East to 300 BC (3 cr)  
HIST 380 Historical Geography of Africa (3 cr)  
HIST 390C Special Topics in World History (3 cr)

## **Geography**

### **Geography Minor for Teacher Certification (24 cr)**

The Teacher Certification Minor helps prepare students for careers in education at the middle school and high school levels. The curriculum is aligned with the national and Michigan standards and reflects close coordination between the Geography Program and Teacher Education.

#### **Required Core Courses (9 credits)**

GEOG 101[CI] Introduction to Physical Geography (3 cr)  
GEOG 201 World Cultural/Regional Geography (3 cr)  
GEOG 202 North American Regional Geography (3 cr)

#### **Regional and Topical Studies (9 credits required)**

GEOG 301 Advanced Physical Geography (3 cr)  
GEOG 320 Principles of Urban Geography (3 cr)  
GEOG 322 Population Geography (3 cr)  
GEOG 385 Special Regional/Topical Studies (3 cr)

Upper division courses offer in-depth content knowledge and a firm grounding in regional and topical approaches to geographic study.

#### **Techniques (3 credits required)**

GEOG 340 Geographical Information Systems (3 cr)  
GEOG 341 Remote Sensing (3 cr)

Prospective geography teachers should have proficiency in one set of techniques and appreciate their utility for solving real-world problems.

#### **Inquiry (3 credits required)**

GEOG 460 Geographic Inquiry (3 cr)

### **Geography Minor—Technical (24 credits required)**

The Technical Minor prepares students for internships and jobs in addition to those commonly available in their major fields. Business and government planning and other agencies recruit employees who have strong skills in geographic techniques, coupled with solid content knowledge, analytical abilities, and research experience. The curriculum follows disciplinary guidelines for training employable geography Technical Minors.

## **Required Core Courses (6 credits)**

GEOG 101[CI] Introduction to Physical Geography (3 cr)

One course from:

GEOG 201 World Cultural/Regional Geography (3 cr)

GEOG 202 North American Regional Geography (3 cr)

## **Regional and Topical Studies (6 credits required)**

GEOG 301 Advanced Physical Geography (3 cr)

GEOG 320 Principles of Urban Geography (3 cr)

GEOG 322 Population Geography (3 cr)

GEOG 385 Special Regional/Topical Studies (3 cr)

After completing the six credits in Regional and Topical Studies, Technical Minors will have sufficient conceptual preparation for framing geographic problems and designing strategies to tackle them.

## **Techniques (9 credits required)**

GEOG 340 Geographical Information Systems (3 cr)

GEOG 341 Remote Sensing (3 cr)

One course from:

GEOG 440 Advanced Geographic Information Systems (3 cr)

GEOG 450 Spatial Analysis (3 cr)

The two required geographic techniques course develop the specific skills employers currently seek. In addition, Technical Minors will choose either to acquire advanced skills in Geographic Information Systems or to develop expertise in spatial analysis.

## **Inquiry (3 credits required)**

GEOG 460 Geographic Inquiry (3 cr)

## **Modern Foreign Languages**

### **Department Faculty**

David E. Barker, Anna R Dadlez, Lynn Herkstroeter, Gladys Hernandez, Ricardo Pastor, Carol Shaw

### **Majors and Minors**

The department offers majors in French and Spanish. Minors are offered in French, German, Polish and Spanish. All discussions and lectures in 400-level courses are in the appropriate language. The department also offers courses in Latin and other languages according to demand.

For a foreign language major, 28 credits are required in courses numbered 211 or higher. For a foreign language major with teacher certification, 30 credits are required in courses numbered 211 or higher.

For a foreign language minor, 18 credits are required in courses numbered 211 or higher. Foreign language minors who are candidates for teacher certification must complete 20 credits in courses numbered 211 or higher.

### Placement Examinations

For those students who have had any previous contact with the language they intend to study, placement in first- and second-year language courses (111, 112, 211, 212) will be by examination. This examination is for placement purposes only. The department reserves the right to require a student to enroll in a more advanced course if his/her ability proves to be greater than indicated by the examination.

### Credit by Examination

Only in exceptional circumstances and only upon recommendation by the department chairperson to the Dean of the College of Arts and Behavioral Sciences will credit by examination be given for 211 or 212. Native speakers or people with near-native fluency will not receive credit for 111, 112, 211, 212, either for class work or by examination. They may apply for credit by examination for language courses numbered 300 and above. Students may take no more than 9 credits by examination.

## **Modern Foreign Languages (B.A.) Teacher Certification**

### Secondary Level

1. Foreign language majors who are candidates for teacher certification at the secondary level must fulfill all the requirements for the major in French or Spanish.
2. Foreign language minors who are candidates for teacher certification at the secondary level must take FREN 321, GER 321, or SPAN 311 as part of their minor.
3. Foreign language majors and minors who are candidates for teacher certification at the secondary level must take MFL 466, Secondary Foreign Language Methods.
4. Foreign language majors and minors who are candidates for teacher certification at the secondary level must fulfill all the requirements for certification as prescribed by the College of Education.

### K-12 Levels

1. Foreign language majors who are candidates for teacher certification at the K-12 levels must fulfill all the requirements for the major in French or Spanish.
2. Foreign language majors who are candidates for teacher certification at the K-12 levels must take MFL 466, Secondary Foreign Language Methods.
3. Foreign language majors who are candidates for teacher certification at the K-12 levels must take MFL 465, Elementary Foreign Language Methods.
4. Foreign language majors who are candidates for teacher certification at the K-12 levels must fulfill all the requirements for certification as prescribed by the College of Education.

## **French Major (B.A.)**

For a major in French, 28 credits in French are required in courses numbered 211 or higher. For a major in French with secondary or K-12 teacher certification, 30 credits are required in courses numbered 211 or higher. Students whose French proficiency is beyond French 211 and 212 will take all their courses at the 300-400 levels.

For a minor in French, 18 credits in French are required in courses numbered 211 or higher. For a minor in French with secondary teacher certification, 20 credits are required in courses numbered 211 or higher. For information about using French studies in careers, graduate work, and combined with other academic areas, please consult a faculty member in the Department of Modern Foreign Languages.

### **Foundation (8 credits required, or satisfactory score on placement examination)**

FREN 211 Intermediate French I (4 cr)  
FREN 212 Intermediate French II (4 cr)

### **Required Courses (9 credits)**

FREN 312 Introduction to French Literature (3 cr)  
FREN 321 French Composition (3 cr)  
FREN 332 French Conversation (3 cr)

### **Electives (3 credits required)**

FREN 451 Advanced French Composition and Conversation (3 cr)  
FREN 455 Intensive Language Review (3 cr)  
FREN 457 French/English Translation (3 cr)

A total of 9 credits in 400-level courses are required; three of these credits must be in literature. Additional credits at 300-400 level to total a minimum of 28 credits in French.

## **Spanish Major (B.A.)**

For a major in Spanish, 28 credits beyond SPAN 112 are required. For a Spanish major, a minor in another field is required. The major in Spanish may be applied to secondary teaching certification. Grades lower than “C” in Spanish DO NOT satisfy requirements for a major or minor in Spanish.

For specific information on a major or a minor in Spanish, read the information under the heading “Modern Foreign Languages.” SPAN 111 and 112 do not count for a major or minor in Spanish; those courses may be used for General Education requirements.

### **Foundation (8 credits required, or satisfactory score on placement examination)**

SPAN 211 Intermediate Spanish I (4 cr)  
SPAN 212 Intermediate Spanish II (4 cr)

### **Required Courses (9 credits)**

SPAN 419 Advanced Composition and Conversation (3 cr)  
Six credits in the 400-level Spanish courses, of which at least three credits must be in literature.

### **Electives (additional credits to total a minimum of 28 credits in Spanish)**

SPAN 302 Spanish Conversation (3 cr)  
SPAN 311 Spanish Composition (3 cr)  
SPAN 313 Introduction to Spanish Literature I (3 cr)  
SPAN 314 Introduction to Spanish Literature II (3 cr)  
SPAN 317 Introduction to Spanish-American Literature I (3 cr)  
SPAN 318 Introduction to Spanish-American Literature II (3 cr)  
SPAN 319 Introduction to U.S. Hispanic Literature (3 cr)  
SPAN 336 Spanish for the Professions (3 cr)

SPAN 340 Spanish Civilization (3 cr)  
SPAN 341 Spanish-American Civilization (3 cr)  
SPAN 344 United States Hispanic Civilization (3 cr)  
SPAN 420 The Spanish Golden Age (3 cr)  
SPAN 430 Modern Spanish Literature (3 cr)  
SPAN 440 Contemporary Spanish-American Prose (3 cr)  
SPAN 450 Spanish American Poetry (3 cr)  
SPAN 456 Introduction to Linguistics (3 cr)  
SPAN 467 United States Spanish (3 cr)  
SPAN 469 Teaching English as a Second Language for Spanish Speakers (3 cr)  
SPAN 471 Bilingual-Bicultural Methodology in Bilingual Education (3 cr)  
SPAN 472 Curriculum Development in Bilingual Education (3 cr)  
SPAN 491 Seminar in Hispanic Studies (3 cr)  
SPAN 499 Directed Study (1-4 cr)

## **Minors: French, German, Polish, Spanish and Polish Studies**

**French Minor:** 18 credits in French courses numbered FREN 211 or higher

**French Minor for secondary teacher certification:** 20 credits in French courses numbered FREN 211 or higher

**German Minor:** 18 credits in German courses numbered GER 211 or higher

**German Minor for secondary teacher certification:** 20 credits in German courses numbered GER 211 or higher

**Polish Minor:** 18 credits in Polish courses numbered PLSH 211 or higher

**Spanish Minor:** 18 credits in Spanish courses beyond SPAN 112. SPAN 311 is required for a minor in Spanish.

**Spanish Minor for secondary teacher certification:** 20 credits in Spanish courses beyond SPAN 112. SPAN 311 is required for a certification minor in Spanish.

### **Interdisciplinary minor in Polish Studies (21 credits required)**

#### **Foundation (8 credits required)**

PLSH 111 Elementary Polish I (4 cr)  
PLSH 112 Elementary Polish II (4 cr)

#### **Electives (6 credits required)**

HIST 353 History of Eastern Europe (3 cr)  
HIST 354 History of Poland (3 cr)  
PS 307 Russia and Neighbors (3 cr)

#### **Recommended Electives (7 credits required)**

Polish language courses numbered above PLSH 112  
PLSH 204 The Polish-American Experience (3 cr)  
PLSH 241 Contemporary Poland (3 cr)  
HUM 290 World War II—Underground (3 cr)  
HUM 390 Women in Modern Slavic Literature (3 cr)

# Music

## Department Faculty

Jane Girdham, Eric P. Nisula, Marc H. Peretz, William B. Wollner

## Music Major (B.A.)

A minor is required

An applied audition and theory assessment are required prior to being accepted as a music major. To schedule an audition and theory assessment, prospective majors should contact the Department of Music at (989) 964-4159; from Midland, call 695-5325, ext 4159.

## Major Courses (34 credits required)

MUS 111 Music Theory and Ear Training I (4 cr)  
MUS 150 Introductory Music Studies (3 cr)  
MUS 211 Music Theory and Ear Training II (4 cr)  
MUS 212 Keyboard Harmony (2 cr)  
MUS 311 Music Theory and Ear Training III (4 cr)  
MUS 312 Musical Analysis (3 cr)  
MUS 320 Music History and Literature I (4 cr)  
MUS 321 Music History and Literature II (4 cr)  
MUS 334 Conducting I (3 cr)  
MUS 421 20th Century Music (3 cr)

## Applied Music (8 credits minimum)

Majors must take applied lessons on their declared principal instrument each semester they are enrolled as declared music majors for a minimum of 8 credits. (Part-time students with special schedule problems may apply to the department for an exemption from this requirement.)

## Ensembles (8 credits minimum)

Students are required to participate in an appropriate ensemble every semester during which they are enrolled as declared music majors. Part-time students with special schedule problems may apply to the department for an exemption from being in an ensemble in a given semester. Keyboard and guitar majors would normally enroll in one of the choirs, Collegium or Jazz Ensemble to meet this requirement. All students must have a minimum of 8 ensemble credits in order to graduate.

MUS 181 Concert Choir (1 cr)  
MUS 182 Chamber Choir (1 cr)  
MUS 183 Concert Band (1 cr)  
MUS 184 Marching Band (1 cr)  
MUS 185 Jazz Ensemble (1 cr)  
MUS 187 Ensemble (1 cr)  
MUS 188 Collegium Musicum (1 cr)

## Piano Requirement

Students will be given a piano assessment upon acceptance as a music major. Prior to enrolling in MUS 212, Keyboard Harmony, all students will be required to pass a piano proficiency exam that will include prepared and sight-reading material that is at a level of difficulty equivalent to three semesters of applied piano study. Students should contact the Department of Music for a list of specific requirements for the proficiency exam.

## **Music Education Major (B.A.)**

A minor is not required (the minor requirement is met automatically by completing the music core). An applied audition and theory assessment are required prior to being accepted as a music education major. To schedule an audition and theory assessment, prospective majors should contact the Department of Music at (989) 964-4159; from Midland, call 695-5325, ext 4159. The music education major with K-12 teacher certification is designed for students desiring to teach in the public schools. It requires completion of the 101-credit music education major described below. Students wishing to be certified in an additional subject area should contact the College of Education for current requirements.

### **Music Education (25 credits required)**

MUSE 203 Woodwinds Methods Class (2 cr)  
MUSE 204 Brass Methods Class (2 cr)  
MUSE 205 Strings Methods Class (2 cr)  
MUSE 206 Percussion Methods Class (2 cr)  
MUSE 303 Teaching Elementary School Music (3 cr)  
MUSE 304 Teaching Middle School Music (2 cr)  
MUSE 305 Teaching Secondary Music Ensemble Classes (3 cr)  
MUSE 306 Technology in Music Education (3 cr)  
MUSE 309 Arranging and Charting for School Music Ensembles (3 cr)  
MUSE 314 Foundations of Music Education (3 cr)

### **Pre-Professional Education (5 credits required)**

PSYC 100 General Psychology (4 cr)  
TE 100 Exploring Teaching: K-12 (1 cr)

### **Professional Education (21 credits required)**

PSYC 317 Educational Psychology (3 cr)  
TEMS 302 General Methods for Teaching in the Secondary and Middle Schools (3 cr)  
TEMS 312 Teaching Reading in the Content Areas of Secondary and Middle Schools (3 cr)  
TEMS 412 Seminar in Secondary Student Teaching (2 cr)  
TEMS 422 Secondary Student Teaching (10 cr)

### **Music Core (39 credits required)**

MUS 111 Music Theory and Ear Training I (4 cr)  
MUS 117B Non-Western Music (3 cr)  
MUS 150 Introductory Music Studies (3 cr)  
MUS 211 Music Theory and Ear Training II (4 cr)  
MUS 212 Keyboard Harmony (2 cr)  
MUS 311 Music Theory and Ear Training III (4 cr)

MUS 312 Musical Analysis (3 cr)  
MUS 320 Music History and Literature I (4 cr)  
MUS 321 Music History and Literature II (4 cr)  
MUS 334 Conducting I (3 cr)  
MUS 421 20th Century Music (3 cr)  
MUS 434 Conducting II (2 cr)

### **Applied Music (7 credits)**

Majors must take applied lessons on their declared principal instrument each semester they are enrolled as a declared music education major (with the exception of the semester during which they student teach) for a minimum of 7 credits. (Part-time students with special schedule problems may apply to the department for an exemption from this requirement.)

### **Ensembles (7 credits)**

Students are required to participate in an appropriate ensemble every semester during which they are enrolled as a declared music education major (with the exception of the semester during which they student teach). Instrumental music education majors are required to enroll in Marching Band for at least two semesters, and to enroll in either one semester of Choir or MUS 103 Voice Class. Part-time students with special schedule problems may apply to the department for an exemption from being in an ensemble in a given semester. All students must have a minimum of 7 ensemble credits in order to graduate.

MUS 181 Concert Choir (1 cr)  
MUS 182 Chamber Choir (1 cr)  
MUS 183 Concert Band (1 cr)  
MUS 184 Marching Band (1 cr)  
MUS 185 Jazz Ensemble (1 cr)  
MUS 187 Ensemble (1 cr)  
MUS 188 Collegium Musicum (1 cr)

### **Piano Requirement**

Students will be given a piano assessment upon acceptance as a music major. Prior to enrolling in MUS 212, Keyboard Harmony, all students will be required to pass a piano proficiency exam that will include prepared and sight-reading material that is at a level of difficulty equivalent to three semesters of applied piano study. Students should contact the Department of Music for a list of specific requirements for the proficiency exam.

### **Music Minor (20 credits required)**

A theory assessment is required prior to being accepted as a music minor. To schedule a theory assessment, prospective minors should contact the Department of Music at [989] 964-4159; from Midland, call 695-5325, ext 4159).

### **Theory, History and Literature (10 credits required)**

MUS 111 Music Theory and Ear Training I (4 cr)  
MUS 150 Introductory Music Studies (3 cr)

Select one of the following:

MUS 117A The Musical Experience: Classical Music (3 cr)  
MUS 117B The Musical Experience: Non-Western Music (3 cr)

MUS 117C The Musical Experience: Music in the U.S. (3 cr)

### **Applied Music and Ensembles (4 credits required)**

Applied Music (2 cr)

Ensembles (2 cr)

### **Piano**

MUS 107 Applied Music: Piano (1 cr)

### **Electives**

Select any music course(s) that will bring the total number of music credits to a minimum of 20 credits.

### **Transfer Students**

Transfer students must be enrolled in an ensemble every semester of attendance, but may count ensemble credits gained at another institution toward the minimum ensemble credits required for graduation. For placement in required courses, all transfer students will be given proficiency exams in music theory, music history and applied music. Remedial work may be assigned, if necessary. All transfer students must take at least 2 credits in Applied Music at SVSU.

### **Advising and Applied Juries**

All music and music education students should seek the advice of the music faculty on a regular basis to maintain regular and intelligent advancement toward finishing their degrees.

Applied Juries will be given at the end of fall and winter semesters, and are required for all music and music education majors enrolled in applied music courses. Other students may be advised to take Juries if their occupational goal would suggest it. Minimum performance standards in each performance medium will be determined by the music faculty, and each student must satisfy these performance standards in order to graduate. Juries and/or senior recitals will be used for evaluation. Failure to meet applied performance standards will result in additional requirements in the applied area having to be met prior to graduation.

## **Philosophy**

### **Department Faculty**

Peter Barry, Judith M. Hill, Drew Hinderer, Jeffrey Koperski

The Department of Philosophy does not offer a major, but it does offer a structured minor that has been sufficient to enable students to enroll in nationally recognized graduate programs in philosophy and other fields. Students should consult department members on careers related to philosophy.

### **Philosophy minor (18 credits required)**

One course from:

PHIL 300 History of Ancient Philosophy—The Greeks (3 cr)

PHIL 305 History of Philosophy—Modern (3 cr)

One course from:

- PHIL 205A Professional Ethics: Business (3 cr)
- PHIL 205B Professional Ethics: Health Care (3 cr)
- PHIL 210A Applied Ethics in Law and Society (3 cr)
- PHIL 210B Applied Ethics in Engineering and Computer Science (3 cr)
- PHIL 230 Introduction to Social and Political Philosophy (3 cr)
- PHIL 331 Law, Liberty and Morality (3 cr)

One course from:

- PHIL 214 Symbolic Logic (3 cr)
- PHIL 280 Introduction to Philosophy of Science (3 cr)
- PHIL 311 Theory of Knowledge (3 cr)
- PHIL 380 Topics in Philosophy of Science (3 cr)

One course from:

- PHIL 213 South Asian Civilizations (3 cr)
- PHIL 215 East Asian Civilizations (3 cr)
- PHIL 220 Philosophical Themes in Literature (3 cr)
- PHIL 240 Philosophy and Feminism (3 cr)
- PHIL 320 Philosophy of the Arts (3 cr)

Philosophy faculty will advise students in creating minor programs that will support and enhance their career and continuing educational interests.

## **Political Science**

### **Department Faculty**

Jesse C. Donahue, Stewart French, John Kaczynski, Robert Lane, Mark Nicol, Lee Trepanier, Erik Trump

The study of politics is an examination of the processes and institutions through which humans create a common life. Ancient and modern political scientists have shown us that politics also is the study of the ideas, interests and expectations people bring to making decisions, and the obstacles they meet in their efforts to forge a common life that will be good for more than a few. This department in particular is concerned with issues of equality and justice. And we feel that it is important for citizens to understand the complexities of politics because governing rarely is a simplistic process.

The course offerings for this major reflect four traditional areas of political study: political theory, American political institutions, public policy, and international relations. Additionally, our program helps students understand the process of analyzing politics through exposure to research methods in the discipline.

A major in political science is appropriate background for students interested in careers in law, political work for public or private organizations from the local to the national level, journalism, and teaching. The major also can prepare students for graduate studies in fields such as law, public policy, and political science; or for interdisciplinary studies such as the Master of Arts degree in Administrative Science offered by Saginaw Valley State University.

## **Political Science Major (B.A.)**

A minor is required

### **Required Courses (16 credits)**

PS 118[CI] Introduction to Political Science (3 cr)  
PS 123 The American Political System (3 cr)  
PS 130[CI] World Politics (3 cr)  
PS 225[CI] Statistics (4 cr)  
PHIL 230 Introduction to Social and Political Philosophy (3 cr)

### **Electives (33 credits required, including 27 credits from the following content areas)**

#### **Theory (3 credits required)**

PS 320 Art and Politics (3 cr)  
PS 334 American Democratic Political Thought (3 cr)  
PS 400 Political Ideologies (3 cr)

#### **American Political Institutions (12 credits required)**

PS 240 Parties and Interest Groups (3 cr)  
PS 260 Understanding and Managing the Bureaucracy (3 cr)  
PS 262 State and Local Government (3 cr)  
PS 330 American Constitutional Law (3 cr)  
PS 331 American Presidency and Congress (3 cr)  
PS 365 Public Human Resource Management (3 cr)  
PS 370 Federal and State Courts (3 cr)

#### **Public Policy (9 credits required)**

PS 270 Race and the U.S. Political System (3 cr)  
PS 319 Gender and Politics (3 cr)  
PS 325 Native American Politics (3 cr)  
PS 345 Public Policymaking in the U.S. (3 cr)  
PS 496 Field Work in Public Affairs\* (1-6 cr)

\*For majors only

#### **International (3 credits required)**

PS 205 Comparative Government (3 cr)  
PS 307 Russia and Neighbors (3 cr)  
PS 326 Latin American Politics (3 cr)  
PS 461 American Foreign Policy and World Politics (3 cr)

## **Political Science Minor (21 credits required)**

PS 118[CI] Introduction to Political Science (3 cr)  
PS 123 The American Political System (3 cr)  
PS 130[CI] World Politics (3 cr)  
Any one PS 200 level elective (3 cr)  
Three PS 300 or 400 level electives, excluding PS 496 (9 cr)

## **Political Science Minor for Secondary Certification (21 credits required)**

PS 118[CI] Introduction to Political Science (3 cr)

PS 123 The American Political System (3 cr)

One course from:

PS 130[CI] World Politics (3 cr)

PS 205 Comparative Government (3 cr)

PS 262 State and Local Government: Politics/Public Policy (3 cr)

PS 330 American Constitutional Law (3 cr)

PS Electives, 200-level or above (6 cr)

## **Political Science–Public Administration (B.A.)**

Interdisciplinary major, a minor is required.

### **Major Courses (40 credits required)**

ACCT 213 Financial Accounting (4 cr)

ACCT 218 Fund Accounting (4 cr)

ECON 221 Principles of Macroeconomics (4 cr)

PS 118[CI] Introduction to Political Science (3 cr)

PS 123 The American Political System (3 cr)

PS 225[CI] Statistics (4 cr)

PS 260 Understanding and Managing the Bureaucracy (3 cr)

PS 345 Public Policy Making in the U.S. (3 cr)

PS 355 Public Budgeting and Finance (3 cr)

PS 365 Public Human Resource Management (3 cr)

### **Recommended Electives**

ENGL 300 Writing in the Professions (3 cr)

HIST 241 History of Michigan (3 cr)

PS 205 Comparative Government (3 cr)

PS 270 Race & the US Political System (3 cr)

PS 319 Gender and Politics (3 cr)

PS 331 The American Presidency and Congress (3 cr)

SOC 440 Complex Organizations (3 cr)

## **Public Administration Minor (18 credits—not available to Political Science majors)**

One course from:

PS 118[CI] Introduction to Political Science (3 cr)

PS 123 The American Political System (3 cr)

PS 225[CI] Statistics (4 cr)

PS 260 Understanding and Managing the Bureaucracy (3 cr)

PS 345 Public Policy Making in the U.S. (3 cr)

PS 365 Public Human Resource Management (3 cr)

One course from:

CJ 491 Seminar in Criminal Justice Administration (3 cr)

SOC 331 Population (3 cr)

# Psychology

## Department Faculty

Maragret Borkowski, Marie Cassar, Louis Cohen, Eric DeVos, Ranjana Dutta, Larry Hatcher, Julie Lynch, Jeanne Malmberg, Matthew Margres, Sandra Nagel, Gerald L. Peterson, Janet K. Robinson, Andrew Swihart

Undergraduate psychology introduces the student to the traditions, content, methodologies and results of the scientific study of behavior. Psychology also provides the student with experience in applying psychological principles in real-world settings. The student learns what systematic psychology has shown about how we perceive, learn and are motivated to think and take action; how we differ from one another; how we develop from infancy to old age; and how interpersonal factors affect our relations with each other in the home, at work and in the social order.

The psychology major does not prepare the student for any specific vocational objective, although it may facilitate some occupations in social and community services. Students intending to become professional psychologists should plan to complete the major and then pursue post-graduate studies for two or more years.

## Psychology Major (B.A.)

40 credits in psychology courses (required and core electives) and required foundation courses. A minor is required.

### Foundation Courses (8 credits required but credits do not apply to 40-credit psychology requirement)

BIOL 111A Principles of Biology (4 cr)

MATH 103 Intermediate Algebra (4 cr)

Strongly Recommended:

PHIL114 Introduction to Logic (3 cr)

One course from:

COMM 105B Public Speaking (3 cr)

COMM 105C Argumentation (3 cr)

### Required Courses (20 credits)

PSYC 100 General Psychology (4 cr)

PSYC 202 Scientific Foundations in Psychology (2 cr)

PSYC 299 Statistics (4 cr)

PSYC 302 Computer Application in Data Analysis (2 cr)

PSYC 305 Experimental Psychology (4 cr)

PSYC 488 History and Systems of Psychology (4 cr)

**Core Electives: Two of the following cores must be fulfilled and one course taken from the third core.**

**Core A** (To fulfill Core A, students must complete two of the following)

PSYC 320 Psychology of Learning (3 cr)

PSYC 330 Motivation (3 cr)

PSYC 335 Comparative Psychology (3 cr)

PSYC 345 Sensation and Perception (3 cr)

PSYC 425 Cognitive Psychology (3 cr)

One course from:

PSYC 340 Physiological Psychology (4 cr)

PSYC 346 Neuropsychology (4 cr)

(Students cannot use PSYC 340 and PSYC 346 to fulfill the core requirement.)

**Core B** (To fulfill Core B, students must complete two of the following)

PSYC 350 Social Psychology (3 cr)

PSYC 372 Abnormal Psychology (3 cr)

PSYC 373 Interviewing (3 cr)

PSYC 375 Psychological Assessment (4 cr)

PSYC 453 Industrial/Organizational Psychology (3 cr)

One course from:

PSYC 370 Theories of Personality (3 cr)

PSYC 430 Psychoanalytic Theory (3 cr)

(Students cannot use both PSYC 370 and PSYC 430 to fulfill the core requirement.)

**Core C** (To fulfill Core C, students must complete two of the following)

PSYC 311 Theories & Research in Child Development (3 cr)

PSYC 374 Psychological Disorders of Childhood and Adolescence (3 cr)

PSYC 415 Psychology of Adulthood and Aging (3 cr)

PSYC 416 Developmental Psychology Research Methods (3 cr)

One course from:

PSYC 210 Applications in Human Development (4 cr)

PSYC 410 Seminar in Life-Span Human Development (4 cr)

(Students cannot use both PSYC 210 and PSYC 410 to fulfill the core requirement.)

**Lab Courses (Students must complete two of the following labs.)**

Note that all labs require PSYC 299, PSYC 202, PSYC 302 and PSYC 305 as prerequisites and concurrent or past enrollment in the respective lecture class or related class (as indicated below):

PSYC 320L Lab in Learning (1 cr) [current or past class in PSYC 320 or 330]

PSYC 330L Lab in Motivation (1 cr) [current or past class in PSYC 330 or 320]

PSYC 335L Lab in Comparative Psychology (1 cr) [current or past class in PSYC 335]

PSYC 340L Lab in Physiological Psychology (1 cr) [current or past class in PSYC 340, 345 or 346]

PSYC 345L Lab in Sensation and Perception (1 cr) [current or past class in PSYC 340, 345 or 425]

PSYC 350L Lab in Social Psychology (1 cr) [current or past class in PSYC 350 or 370]

PSYC 370L Lab in Personality (1 cr) [current or past class in PSYC 370 or 350]

PSYC 373L Interviewing Lab (1 cr) [requires current enrollment in PSYC 373]

PSYC 425L Lab in Cognitive Processes (1 cr) [current or past class in PSYC 425 or 345]

PSYC 416L Laboratory in Developmental Psychology (1 cr) [current or past class in PSYC 416]

**Additional credits in psychology, if necessary, to total 40 credit hours.**

## **Psychology Minor (18 credits required)**

### **Required Course**

PSYC 100 General Psychology (4 cr)

### **Core A** (one course, 3-4 cr)

PSYC 320 Psychology of Learning (3 cr)

PSYC 330 Motivation (3 cr)

PSYC 335 Comparative Psychology (3 cr)

PSYC 345 Sensation and Perception (3 cr)

PSYC 425 Cognitive Psychology (3 cr)

One course from:

PSYC 340 Physiological Psychology (4 cr)

PSYC 346 Neuropsychology (4 cr)

### **Core B** (one course, 3-4 cr)

PSYC 350 Social Psychology (3 cr)

PSYC 372 Abnormal Psychology (3 cr)

PSYC 373 Interviewing (3 cr)

PSYC 375 Psychological Assessment (4 cr)

PSYC 453 Industrial/Organizational Psychology (3 cr)

One course from:

PSYC 370 Theories of Personality (3 cr)

PSYC 430 Psychoanalytic Theory (3 cr)

### **Core C** (one course, 3-4 cr)

PSYC 311 Theories & Research in Child Development (3 cr)

PSYC 374 Psychological Disorders of Childhood and Adolescence (3 cr)

PSYC 415 Psychology of Adulthood and Aging (3 cr)

PSYC 416 Developmental Psychology Research Methods (3 cr)

One course from:

PSYC 210 Applications in Human Development (4 cr)

PSYC 410 Seminar in Life-Span Human Development (4 cr)

Additional credits in psychology to total 18.

## **Social Work**

### **Department Faculty**

Judy Berglund, Vanessa Brooks Herd, Lucy Mercier, Stephen Yanca

The Bachelor of Social Work (BSW) degree is offered for those who complete the college baccalaureate degree requirements with a major in Social Work.

The social work major is designed to provide students with an introduction to the goals and processes of the social work profession. No minor is available in social work; however, a minor is available in Youth Services, as described below.

## **Mission and Goals**

The mission of the Social Work department is to promote social welfare for residents of the Saginaw Valley, the state of Michigan and beyond – through advancement of knowledge about social problems, and through education about effective social work practices. We seek to respond to the particular needs of oppressed people and institutions by training ethical and effective social workers who are prepared to provide services to the diverse groups in this region and who are committed to helping clients achieve the greatest self-sufficiency.

Our mission is manifested in the following goals for the department:

1. Prepare students for generalist social work practice in the various communities represented in the Saginaw Valley.
2. Provide a foundation for entry into graduate social work education.
3. Provide the community with professional social workers who are committed to the historic mission of social work and are prepared to address issues of social justice.
4. Produce social workers who are ethical practitioners.

No academic credit will be given, in whole or in part, for any professional or other life experience. This applies both to experiences prior to admission to the major as well as life experiences after major admission. Only volunteer work approved by the department will be credited towards partial or complete fulfillment of the 40-credit volunteer component required in SW 215, Introduction to Social Work/Social Welfare. Only field work approved by the department and undertaken as part of SW 483-484, Field Instruction I and II, will be credited for the major.

The Department of Social Work does not discriminate on the basis of race, color, gender, age, creed, ethnic or national origin, disability, political orientation or sexual orientation. This policy applies to students, employees, volunteers, field placement supervisors, faculty members, Community Advisory Committee members and anyone else who may have contact or business with the program on any basis.

## **Pre-Social Work Curriculum**

Students interested in earning a degree in social work should select a “pre-social work major.” Freshmen and Sophomores should obtain advising from the Academic Advisement Center for Basic Skills and General Education courses and requirements. During the semester when pre-social work majors will be completing 40 credits, they should arrange for an interview with a member of the social work faculty. This interview is part of the formal application process for admission to the social work major. Pre-social work majors who have specific professional questions or concerns, or need advising for social work courses and requirements should see a member of the social work faculty.

The Social Work Department sponsors a number of clubs/activities and special events during each year. Pre-social work students are encouraged to participate in order to begin to develop the ethics and values of the profession.

## **Requirements for Admission to the Social Work Major**

A minimum of a 2.25 cumulative GPA is required for admission to the social work major. To be eligible for admission, the student must complete a total of 40 credits, including satisfactory completion of SW 215 and a 40-hour volunteer placement.

Application may be made during the semester in which the student will complete the requirements or subsequent to it, but no admission decision will be made until after the final grades are received. Students who

are not formally admitted to the major will not be permitted to enroll in any of the advanced professional courses: SW 316, 318, 401, 403, 483, 484, 485.

Students may be admitted to the social work major during any semester; however, the two-semester senior sequence commences only in the fall semester.

### **Application Procedures**

During the semester in which the admission requirements specified above will be met, the student should accomplish the following:

1. Submit a completed formal application form to the chair of the Department of Social Work.
2. Schedule and complete a formal interview with assigned faculty advisor in Social Work.
3. Submit a personal statement to the Department based on the admission and retention criteria below.
4. Have a letter filed with the Social Work Department indicating satisfactory completion of the volunteer placement as required in SW 215.
5. Sign an agreement to uphold the National Association of Social Workers Code of Ethics.
6. Have two letters of reference submitted on the forms provided in the admissions packet. References should be from employers, volunteer experiences, former professors (outside of the Department of Social Work), or character references.
7. Students must receive a satisfactory score on their interview and personal statement.

### **Selection Criteria**

In addition to the student's academic achievement in college courses, other selection criteria will include the number of credits completed at Saginaw Valley State University, representation of the population base in terms of ethnicity as established by federal guidelines, and potential for achievement of the "Admission and Retention Criteria," which is specified in the next section.

### **Admission and Retention Criteria**

1. **Stability and autonomy:** Students will demonstrate the capacity to deal effectively with emotional stress, both in themselves and in relation to others, as demonstrated through a satisfactory evaluation of the volunteer component, a grade of "C" or better in "Introduction to Social Welfare/Social Work," and performance as a social work major in a variety of courses throughout the student's career.
2. **Verbal and writing ability:** Students will be able and willing to communicate thoughts and feelings effectively, both orally and in writing, as demonstrated in part by passing the English Basic Skills examination or receiving a grade of "C" or better in English composition courses, through satisfactory performance on the writing sample required for admission to the major, and continuous satisfactory achievement of written and oral communication skills throughout the Junior and Senior year.
3. **Identifying and handling conflicting values:** Students will be able to function within the context of value conflict, respecting the values of others even when different from their own, as demonstrated by acceptance of others with different backgrounds in their volunteer placement and field placement.
4. **Academic achievement:** Student will maintain a minimum of a 2.25 cumulative GPA in all courses, a minimum of a 2.25 cumulative GPA in the interdisciplinary courses, including SW 215 and SW 300, and a minimum of a 2.25 cumulative GPA in the professional foundation requirements. Students must have a grade of "C" or better in the interdisciplinary courses, including SW 215 and SW 300 and the professional foundation requirements.

5. **Capacity for continued growth in professional education and commitment to the code of ethics of the social work profession:** Students will assume increasing responsibility for their own learning and make use of educational experience oriented toward peer learning. Violations of the canons of ethical responsibility of the social work profession are unacceptable.
6. **Professional choice:** Students will show a growing understanding of their chosen field of social work and what is demanded of the professional, and will demonstrate a maturing interest in and commitment to their profession. Should the faculty become concerned about the student's physical, mental or behavioral ability to perform in the program, the field placement, or in later professional practice, the student may be asked to sign a release of information form in order to assess his/her current functioning.

The faculty reserve the right to remove the status of social work major from any student who does not satisfactorily fulfill the requirements of any of these criteria; however, this procedure will require a hearing for the student and provide all the protection inherent in the rights of due process. The interests of both the student and the profession will be considered in reaching a final decision.

### **Eligibility for Social Work Registration**

Upon completion of the BSW degree, students are eligible for the Social Work Technician Registration Credential as defined in the State of Michigan Occupational Code, and conferred by the Social Work Board of Examiners, Bureau of Licensing and Regulation.

### **Social Work Major (B.S.W.)**

Students must complete a disciplinary minor or the Interdisciplinary Major Requirement.

### **Interdisciplinary Prerequisites (16-18 credits required)**

PSYC 100 General Psychology (4 cr)

SOC 111 Introduction to Sociology (3 cr)

One course from:

PS 118[CI] Introduction to Political Science (3 cr)

PS 123 The American Political System (3 cr)

One course from:

BIOL 104B Human Biology (3 cr)

BIOL 105A Science of Life (4 cr)

BIOL 105C Human Heredity (4 cr)

BIOL 111A Principles of Biology (4 cr)

One course from:

ECON 125 Introduction to Economics (3 cr)

ECON 221 Principles of Macroeconomics (4 cr)

### **Major Required Courses (48 credits)**

### **Social Work Prerequisite Requirements (6 credits required)**

SW 215 Intro to Social Welfare/Social Work (3 cr)

SW 300 Interviewing and the Helping Relationship (3 cr)

## **Professional Foundation Requirements (42 credits required)**

Human Behavior in the Social Environment Sequence (8 credits required)

SW 320 Human Behavior in the Social Environment I (4 cr)

SW 330 Human Behavior in the Social Environment II (4 cr)

Social Welfare Policy Sequence (8 credits required)

SW 316 Social Welfare Policy I (4 cr)

SW 403 Social Welfare Policy II (4 cr)

Social Work Practice Research Methods (4 credits required)

SW 329 Research Methods and Social Work Practice (4 cr)

It is recommended that students planning to attend graduate school take a course in statistics such as SOC 225 to fulfill Category 3 - Numerical Understanding for General Education.

Social Work Practice Sequence (8 credits required)

SW 318 Social Work Practice I (4 cr)

SW 401 Social Work Practice II (4 cr)

Social Work Field Instruction Sequence (12 credits required)

SW 483 Social Work Field Instruction I (6 cr)

SW 484 Social Work Field Instruction II (6 cr)

Integrative Social Work Senior Seminar (2 credits required)

SW 485 Integrative Social Work Senior Seminar (2 cr)

## **Interdisciplinary Major Requirement (12 credits from the following courses are required for an interdisciplinary major. These courses are not required for a student with a minor.)**

SOC 320 Community Organization (3 cr)

SOC 225 Statistics (4 cr)

SOC 326 Research Methods (3 cr)

One course from:

SOC 327 Social Psychology (3 cr)

PSYC 350 Social Psychology (3 cr)

SOC 328 Group Dynamics (3 cr)

SOC 345 Urban Sociology (3 cr)

SOC 346 Juvenile Delinquency (3 cr)

SOC 350 The Family (3 cr)

SOC 352 Organizational Communications (3 cr)

PS 260 Understanding and Managing the Bureaucracy (3 cr)

PSYC 310 Child Psychology (3 cr)

PSYC 312 Exceptional Child (3 cr)

PSYC 315 Adolescent Psychology (3 cr)

PSYC 370 Theories of Personality (3 cr)

PSYC 372 Abnormal Psychology (3 cr)

PSYC 385 Psychology of Sexual Differences (3 cr)

HIST 241 History of Michigan (3 cr)

PHIL 331 Law, Liberty and Morality (3 cr)

CJ 301 Criminal Justice System in the U.S.A. (3 cr)

CJ 410/SOC 410 Criminology (3 cr)

YS 300 Child Welfare Policies and Procedures (3 cr)  
YS 330 Child Abuse and Neglect (3 cr)  
YS 347 Problems of American Youth (3 cr)  
YS 348 Social Services for Youth (3 cr)  
YS 349 Group Work with Youth (3 cr)  
YS 405 Group Facilitation (3 cr)  
ENGL 300 Writing in the Professions (3 cr)

A social work minor is not available.

### **Youth Services Minor (18 credits required)**

A minor in Youth Services is available to all SVSU students. Students who major in Social Work must do their SW 483-484 field placement in a youth services agency; these students are then waived from the CJ 496 Field Work requirement for the minor. These students must also take 18 credits from the youth services list without major/minor double counting.

Students who major in other disciplines must take either SW 215 or CJ 301, CJ 496, and the balance of the 18 credits from the Youth Services minor list without major/minor double counting.

#### **Program Objectives:**

1. To provide the student the opportunity to better provide services to youth.
2. To enhance the student's awareness of human needs and services relevant to children and youth.

A youth services minor is available by completing 18 credits from the following without any major-minor double counting:

#### **Required (3-6 credits)**

One course from:

SW 215 Introduction to Social Welfare/Social Work (3 cr)

CJ 301 Criminal Justice System in the USA (3 cr)

CJ 496\* Field Work [Youth Services Placement] (3 cr)

\*Social Work majors complete a youth services placement in SW 483/484 instead of CJ 496.

#### **Electives to total a minimum of 18 credits from:**

YS 300 Child Welfare Policies and Procedures (3 cr)  
YS 330 Child Abuse and Neglect (3 cr)  
YS 347 Problems of American Youth (3 cr)  
YS 348 Social Services for Youth (3 cr)  
YS 349 Group Work with Youth (3 cr)  
YS 405 Group Facilitation (3 cr)  
YS 490 Selected Topics (1-4 cr)  
CJ 350 The Juvenile Justice System (3 cr)

# **Sociology**

## **Department Faculty**

Elson Boles, Ann Coburn-Collins, Dawn Hinton, Karen Lang Krause, Donald Ricker, Steven W. Sherlock, Robert J. Thaler, Brian Thomas, Scott Youngstedt

The Department of Sociology offers courses that reflect the various forms of human behavior and interaction in social settings. This broad approach is tempered by the differing interests and viewpoints of individual faculty, providing a student with the opportunity to understand more fully the society in which we live.

A major consists of 34 credits in sociology, and is appropriate for a general education or for careers in government and social service agencies, community and recreation work, social research and for pre-professional programs in law, theology and journalism. Sociology also is a recommended second major (double major) for students in most academic disciplines.

Students planning to major in sociology must confer with a member of the sociology faculty to plan a program suitable to their individual goals and arrange to take the courses in the proper sequence. All majors are advised to enroll in SOC 225 and 326 by the end of their Junior year. The program allows flexibility for students to complete their choice of 12 additional elective credits in addition to completing the core requirements. Students are encouraged to complete their electives within either the Applied or Diversity Track. The Applied Track is designed for students who intend to utilize sociological skills to analyze social life or social problems. Courses are designed to help students put their knowledge to practical use within their community or workplace. The Diversity Track is designed to expose students to a wide variety of issues associated with race/ethnicity, social class, gender and other types of diversity found within society and social institutions. Courses are designed to help students understand and function at their best in a diverse society and workplace.

## **Sociology Major (B.A.)**

A minor is required.

### **Major Required Courses (22 credits)**

SOC 111 Introduction to Sociology (3 cr)

SOC 112 Introduction to Anthropology (3 cr)

SOC 225 Statistics (4 cr)

One course from:

SOC 300 Social Inequality and Human Diversity (3 cr)

SOC 304 World-Societies (3 cr)

SOC 326 Research Methods (3 cr)

SOC 327 Social Psychology (3 cr)

SOC 450 Sociological Theories (3 cr)

### **Electives (12 credits required)**

The Elective Requirement can be fulfilled with 12 additional hours selected to meet personal or career objectives. However, students are strongly encouraged to complete elective hours within one of the tracks listed below.

### **Applied Track**

SOC 301 Applied Anthropology (3 cr)  
SOC 320 Community Organization (3 cr)  
SOC 331 Population (3 cr)  
SOC 345 Urban Sociology (3 cr)  
SOC 346 Juvenile Delinquency (3 cr)  
SOC 350 The Family (3 cr)  
SOC 435 Environmental Sociology (3 cr)  
SOC 460 Applied Sociology (3 cr) [required for track]  
SOC 496 Internship (3 cr)

### **Diversity Track**

SOC 236 Social Problems (3 cr)  
SOC 240 Black People in American Society (3 cr)  
SOC 300 Social Inequality and Human Diversity (3 cr) [required for track]  
SOC 305 Sociology of Aging (3 cr)  
SOC 310 Hispanic People in United States Society (3 cr)  
SOC 333 Sociology of Gender (3 cr)  
SOC 340 Black Women in America (3 cr)  
SOC 360 Religions (3 cr)  
SOC 407 Majority-Minority Relations: Global Perspectives (3 cr)  
SOC 420 Social Stratification (3 cr)

**Sociology Minor** is available by completing 18 credits in sociology courses.

## **Theatre**

### **Department Faculty**

Steven C. Erickson, Richard Roberts, Janet Rubin

### **Theatre Major (B.A.)**

39 credits required. A minor is required.

### **Major Courses I – Individual Course Requirements (24 credits)**

THEA 128A Introduction to Theatre (3 cr)  
THEA 136 Introduction to Acting (3 cr)  
THEA 255 Introduction to Directing (3 cr)  
THEA 260 Introduction to Stagecraft and Theatre Design (3 cr)  
THEA 299 Applied Theatre (3 cr) [1 credit – repeatable]  
THEA 375 Theatre History I (3 cr)  
THEA 380 Theatre History II (3 cr)  
THEA 497 Senior Project in Theatre (3 cr) [three or six credits]

### **Major Courses II – Group Requirements (additional credits to total a minimum of 39 credits)**

One course from:

THEA 336 Intermediate Acting (3 cr)

THEA 360 Scene Design (3 cr)

One course from:

THEA 355 Intermediate Directing (3 cr)

THEA 370 Costume and Makeup Design (3 cr)

THEA 385 Principles and Practices in Arts Management (3 cr)

THEA 460 Light and Sound Design (3 cr)

One course from:

THEA 465 Creative Drama (3 cr)

THEA 470 Theatre for Children (3 cr)

THEA 496 Field Work: Theatre Tour (3 cr)

Electives in Communication (6 credits required)

**Theatre minor:** 18 credits in the theatre content area. With departmental permission, one communication course may be included in the 18-credit minor.

## **Communication and Theatre Major for Teacher Certification (B.A.)**

A major and a minor in communication and theatre education are available to any student who wishes to seek Michigan Department of Education teaching certification in speech at the secondary school level. In order to graduate with this major or this minor, a student must complete the requirements indicated below, and also must satisfy the pertinent College of Education requirements.

### **Major Requirements (42 credits)**

Earn a total of 42 credits in communication and theatre courses. At least 18 of those credits must be at the upper division (300-400) level.

Specific breakdown:

1. Complete the indicated 27 credits of required courses, which includes 3 credits from the oral performance category.
2. Complete at least 15 additional credits, of which 6 must be at the upper division (300-400) level, as follows:
  - a. 3 credits from Communication Track below;
  - b. 3 credits from Theatre Track below;
3. Complete 9 additional credits from Communication Track, from Theatre Track, and/or from the general department course list.

### **Required Courses (24 credits required)**

COMM 105A Fundamentals of Communication (3 cr)

THEA 128A Introduction to Theatre (3 cr)

THEA 255 Introduction to Directing (3 cr)

COMM 270 Communication in Marketplace and Media (3 cr)

COMM 345 Directing Forensics and Debate (3 cr)

COMM 389 Family Communication (3 cr)

COMM 405 Human Communication Theory (3 cr)

COMM 435 Communication in the Classroom (3 cr)

### **Oral Performance (3 credits required)**

COMM 105B Public Speaking (3 cr)  
THEA136 Introduction to Acting (3 cr)  
COMM 220 Introduction to Performance Studies (3 cr)

### **Communication Track (a minimum of 3 credits required)**

COMM 225 Nonverbal Communication (3 cr)  
COMM 227 Small Group Communication (3 cr)  
COMM 315 Persuasion and Attitude Change (3 cr)  
COMM 325 Business and Professional Communication (3 cr)  
COMM 351 Interpersonal Communication (3 cr)  
COMM 365 Language, Thought and Behavior (3 cr)  
COMM 490 Selected Topics\* (3-4 cr)

\*May not substitute for an existing course

### **Theatre Track (a minimum of 3 credits required)**

THEA 128B[CI] Theatre in Performance (3 cr)  
THEA 137[CI] Acting and Analysis (3 cr)  
THEA 260 Introduction to Stagecraft and Theatre Design (3 cr)  
THEA 336 Intermediate Acting (3 cr)  
THEA 355 Intermediate Directing (3 cr)  
THEA 385 Principles and Practices in Arts Management (3 cr)  
THEA 470 Theatre for Children (3 cr)  
THEA 497 Senior Project in Theatre (3-6 cr)

### **Communication and Theatre Minor for Teacher Certification (24 credits required)**

#### **Required Courses (21 credits)**

COMM 105A Fundamentals of Communication (3 cr)  
THEA 128A Introduction to Theatre (3 cr)  
THEA 255 Introduction to Directing (3 cr)  
THEA 260 Introduction to Stagecraft and Theatre Design (3 cr)  
COMM 345 Directing Forensics and Debate (3 cr)  
COMM 389 Family Communication (3 cr)  
COMM 435 Communication in the Classroom (3 cr)

#### **Oral Performance (3 credits required)**

COMM 105B Public Speaking (3 cr)  
THEA 136 Introduction to Acting (3 cr)  
COMM 220 Introduction to Performance Studies (3 cr)

# College of Business and Management

Marwan Wafa, Dean

The Bachelor of Business Administration program is accredited by AACSB International, the premier accrediting agency and service organization for business schools.

## **Mission**

The mission of the College of Business and Management is to develop business competence and provide experiences, both academic and applied, that help students become productive and ethical professionals.

## **Goals and Objectives**

In accomplishing this mission, the College will:

- Enhance students' communication skills
- Enhance students' technical and problem solving competence
- Emphasize the globalization of business
- Serve as a resource to area businesses
- Address the unique needs of small- and medium-size enterprises in its curriculum

The College of Business and Management offers programs leading to master's and bachelor's degrees, in particular, the Master of Business Administration (M.B.A.), the Bachelor of Business Administration (B.B.A.), the Bachelor of Professional Accountancy (B.P.A.) and the Bachelor of Arts (B.A.). The B.A. degree is available only with a major in economics. The B.B.A. program offered by the College allows students to major in accounting, economics, finance, management, industrial management, marketing, international business and general business. Also, the College provides an array of minors in business and economics that frequently are elected by students with majors outside the college — for example, pre-law, computer science and many others.

Freshmen and Sophomores who intend to major or minor in any business program are encouraged to first enroll in the 200-level business core courses, the business cognate courses and declare their intended majors and minors with the Registrar's Office.

Students who are interested but undecided whether to declare a business major or minor should seek the advice of a business faculty member. These students should consider enrolling in MGT 121, Introduction to Business.

## **Objectives of the Four-Year Programs**

The College of Business and Management recognizes that students pursuing four-year degrees in business and economics at SVSU have two major objectives for their academic training at SVSU. First, they intend to achieve specialized skills adequate to qualify them for entry-level positions in a variety of private and public enterprises. Generally, the specialized content of majors offered by the College makes this objective possible. But the College also recognizes that students have a broader objective. During their four-year experience at SVSU, business and economics students plan to lay a broad foundation of knowledge, and they plan to sharpen their communication skills with the expectation that these efforts will enrich their lives generally and prepare them for leadership roles in our society. As a result of the total SVSU experience — including careful selection of coursework outside of the College and participation in cultural and other campus events and activities —

students expect to gain a better appreciation of the arts, literature and the sciences; they expect to have a better sense of history and the workings of the social, political and legal institutions that form their environment; they expect to be able to speak, listen, write and read more effectively; and they expect to have a more global perspective of their total environment.

## **Requirements for Admission**

Students must apply and be accepted into the College of Business and Management prior to enrollment in 300-400 level courses. Application forms are available through the Office of the Dean of the College of Business and Management. Admission decisions ordinarily are made within one week and applicants are notified by mail of the actions taken by the admissions committee.

## **Admission Criteria**

The following criteria must be successfully completed prior to filing an admission application with the College of Business and Management:

1. All Basic Skills requirements
2. Three of four business cognate courses (see below)
3. Four of six 200-level business core courses (see below)
4. Demonstrated competency in writing and mathematics. Ordinarily, satisfactory evidence of these two competencies will be demonstrated by successful completion (grade of “C” or better) of ENGL 111 and ENGL 212 (for writing) and MATH 120B (for mathematics). Applicants seeking to waive these courses by examination must contact the Academic Advisement Center.
5. A minimum 2.25 cumulative grade point average is required for admission.

## **Transfer Students**

The College of Business and Management welcomes transfer students. Courses from accredited four-year institutions are accepted as equivalent to Saginaw Valley State University if the grades are “C” or better. Transfer students must complete at least 50 percent of the business credits, which normally is interpreted as approximately 30 credits, at SVSU. Reasonable exceptions to this rule will be approved by the Dean of the College of Business and Management in consultation with the appropriate department chairperson. Students holding appropriate associate degrees or courses from community colleges are admitted in the same manner as SVSU students, except that writing and quantitative tests may be required. Transfer students should contact the Office of Admissions to obtain admission to SVSU before applying to the College of Business and Management.

## **Bachelor of Business Administration Requirements (B.B.A.)**

Every candidate must earn at least a total of 124 credits, including a minimum of 42 credits at the 300-400 level, complete university Basic Skills and General Education requirements, and must satisfy the following:

### **Business Core (49 credits required)**

- ACCT 213 Financial Accounting (4 cr)
- ECON 221 Principles of Macroeconomics (4 cr)
- ECON 235 Introductory Statistics (4 cr)
- ACCT 214 Managerial Accounting (4 cr)
- ECON 222 Principles of Economics II (4 cr)
- ECON 335 Applied Statistics (2 cr)
- MGT 321 Organization and Administration (4 cr)
- MGT 325 Management Information Systems (3 cr)

MKT 331 Marketing Principles (4 cr)  
FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

**Business Cognates (12 credits required)**

MATH 120B Finite Mathematics (4 cr)  
or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for business students who are not planning to take additional work in mathematics]  
ENGL 300 Writing in the Professions (3 cr)  
COMM 105A Fundamentals of Communication (3 cr)  
ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two credits in a high level language]

**Courses Outside of the College of Business and Management**

48 credits must be earned in courses that are not in the College of Business and Management.

**Major and Minor Requirements**

A minor is not required (the minor requirement is met automatically by completing the business core). However, a minor may be obtained, if desired, by completion of certain courses as listed under respective departments.

A major is required. Requirements are listed under each department (accounting, economics, law and finance, and management/marketing). In addition, a major in general business may be obtained. Requirements for the general business major are as follows:

**General Business Major (B.B.A.)**

**Business Core (49 credits required)**

ACCT 213 Financial Accounting (4 cr)  
ECON 221 Principles of Macroeconomics (4 cr)  
ECON 235 Introductory Statistics (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ECON 222 Principles of Economics II (4 cr)  
ECON 335 Applied Statistics (2 cr)  
MGT 321 Organization and Administration (4 cr)  
MGT 325 Management Information Systems (3 cr)  
MKT 331 Marketing Principles (4 cr)  
FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

**Business Cognates (12 credits required)**

MATH 120B Finite Mathematics (4 cr)  
or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for

business students who are not planning to take additional work in mathematics]  
ENGL 300 Writing in the Professions (3 cr)  
COMM 105A Fundamentals of Communication (3 cr)  
ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two credits in a high level language]

### **Courses Outside of the College of Business and Management**

48 credits must be earned in courses that are not in the College of Business and Management.

### **Electives (18 credits required)**

Approved courses (300-400 level) involving at least three business departments

### **Bachelor of Professional Accountancy (B.P.A.)**

The BPA degree is offered only to majors in accounting. For specific requirements, see the Department of Accounting.

### **Bachelor of Arts (B.A.)**

The B.A. degree is offered only to majors in economics. For specific requirements see the Department of Economics.

### **Non-B.B.A. Majors and Minors**

Candidates for degrees from other colleges may earn majors or minors in various business disciplines. Requirements are listed under each department (accounting, economics, law and finance, and management/marketing). In addition, a minor in general business may be obtained. A major in general business is not available.

### **General Business Minor (Non-B.B.A.)**

A general business minor is available to non-B.B.A. students by completing five courses from the business core. At least three of these courses must be at the 300 level and prerequisites must be observed. Faculty members in the Department of Law and Finance are general business advisors.

### **Entrepreneurship Minor for B.B.A. Majors (12 credits required)**

#### **Required Courses (6 credits)**

MGT 351 Introduction to Entrepreneurship (3 cr)  
MGT 459 Business Plan Seminar (3 cr)

#### **Minor Electives (6 credits required)**

MGT/MKT 346 Franchising (3 cr)  
MGT 353 Family Business (3 cr)  
ECON 356 Economics for Entrepreneurs (3 cr)  
MGT/MKT Special Topics: Entrepreneurship Project (3 cr)

## **Entrepreneurship Minor for Non-B.B.A. Majors (18 credits required)**

### **Required Courses (12 credits)**

ACCT 352 Accounting for Entrepreneurs (3 cr)  
FIN 311 Entrepreneurial Finance (3 cr)  
MGT 351 Introduction to Entrepreneurship (3 cr)  
MGT 459 Business Plan Seminar (3 cr)

### **Minor Electives (6 credits required)**

MGT/MKT 346 Franchising (3 cr)  
MGT 353 Family Business (3 cr)  
ECON 356 Economics for Entrepreneurs (3 cr)  
MGT/MKT Special Topics: Entrepreneurship Project (3 cr)

## **International Business Major (B.B.A.)**

### **Business Core (49 credits required)**

ACCT 213 Financial Accounting (4 cr)  
ECON 221 Principles of Macroeconomics (4 cr)  
ECON 235 Introductory Statistics (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ECON 222 Principles of Economics II (4 cr)  
ECON 335 Applied Statistics (2 cr)  
MGT 321 Organization and Administration (4 cr)  
MGT 325 Management Information Systems (3 cr)  
MKT 331 Marketing Principles (4 cr)  
FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

### **Business Cognates (12 credits required)**

MATH 120B Finite Mathematics (4 cr)  
or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for business students who are not planning to take additional work in mathematics]  
ENGL 300 Writing in the Professions (3 cr)  
COMM 105A Fundamentals of Communication (3 cr)  
ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two credits in a high level language]

### **Courses Outside of the College of Business and Management**

48 credits must be earned in courses that are not in the College of Business and Management

## **Major Requirements**

The International Business Major consists of two parts: a non-English language requirement and international business courses. Graduation audits and modifications of course plans shall be approved by the Undergraduate Program Committee of the College of Business and Management, or a designate of this committee.

### **Language/Study Abroad Requirement (12 credits required)**

Approved combination of non-English language and study abroad, or 12 credits in a single modern foreign language (This is a minimal requirement. For students desiring a higher level of proficiency in a foreign language, additional foreign language study is recommended. This requirement may be altered or waived for international students or native speakers of languages other than English. In this circumstance, related study abroad is usually required.)

### **International Business (18 credits required, from a minimum of 4 departments)**

The electives must be from at least four disciplines from the following: accounting, economics, management, marketing, law, finance, sociology/political science.)

ACCT 317 International Accounting (3 cr)

ECON 441 International Economics (3 cr)

FIN 310 International Finance (3 cr)

LAW 407 International Law (3 cr)

MGT 427 International Management (3 cr)

MKT 432 International Marketing (3 cr)

SOC 405 Cross-Cultural (3 cr)

ACCT/ECON/FIN/LAW/MGT/MKT 390/490 International Special Topics courses may be preapproved for inclusion in the program (1-4 cr)

## **Certificate in International Business**

In conjunction with an SVSU bachelor's degree, a Certificate in International Business will be awarded to all students upon satisfactory completion of the following requirements:

### **Required Courses (9 to 11 credits required)**

SOC 405 Cross-Cultural Relations (3 cr)

Two semesters of a modern foreign language (6 to 8 credits)

### **Electives (9 credits required)**

ECON 441 International Economics (3 cr)

FIN 310 International Finance (3 cr)

LAW 407 International Business Law (3 cr)

MGT 427 International Management (3 cr)

MKT 432 International Marketing (3 cr)

One or more of these five courses may be used simultaneously to satisfy major, minor, and/or elective requirements.

## **International Studies Major (B.A.)**

An International Studies Major is offered from the College of Arts and Behavioral Sciences.

# Accounting

## Department Faculty

Russell T. Gingras, Louis R. Jacoby, Lawrence J. Kickham, Marilyn Y. Knight, Mark W. McCartney, Cathleen Miller

## Overview

The Department of Accounting offers two undergraduate degrees in accounting – a 124-credit Bachelor of Business Administration and a 150-credit Bachelor of Professional Accountancy.

The 124-credit B.B.A. accounting program provides the foundation for a variety of business career opportunities in industry, government and non-profit organizations. An accounting major is an excellent background for any career in business. Many accounting graduates advance from their accounting positions to more senior positions because of their ability to understand business issues. Business owners, managers, and government agencies depend on accountants for their technical knowledge and their ability to interpret financial information. Accountants are involved in the preparation of taxes, the design and implementation of accounting information systems and other financial consulting projects. While the 124-credit B.B.A. accounting program is a viable option for any business student, it is not sufficient to meet the educational requirements of the CPA examination (effective July 1, 2003). Students planning to sit for this professional examination should consider the 150-credit B.P.A. program.

The 150-credit B.P.A. program is designed to prepare the student for a career in professional accounting. Certified Public Accountants provide auditing, tax and management advisory services to corporate and individual clients. The increasing complexity of business operations, the need to control costs, the pressure to improve performance, and the constantly changing tax laws contribute to the growing demand for Certified Public Accountants.

Students who plan to sit for the Certified Management Accounting (CMA) examination, the Certified Internal Auditor (CIA) examination, the Certified Information System Auditor (CISA) examination, or other accounting and auditing certifications, also are advised to complete the 150-credit program.

A combination B.B.A./M.B.A. program is offered for students who wish to complete a graduate program and at the same time meet a five-year educational requirement. Students who are working on an undergraduate degree in accounting at SVSU can elect, at the end of their Junior year, to apply for admission to the M.B.A. program (see admission requirements). After completing both the four-year accounting degree requirements and the M.B.A. requirements, the student will be awarded both a B.B.A. and an M.B.A.

Students who already have a four-year B.B.A. degree in accounting may pursue a plan of study within the undergraduate program or the M.B.A. program to qualify for the 150-credit requirement. This plan will give appropriate consideration to previous academic preparation and future professional objectives. These students should seek academic counseling from the Department of Accounting to assure that their program will satisfy the 150-credit requirement. Students who have completed their B.B.A. degree in accounting and wish to pursue the B.P.A. program must complete a minimum of 31 credits. Students must complete any agreed upon accounting courses and at least 16 credits from the College of Business and Management.

## Accounting Major — Bachelor of Business Administration (B.B.A.)

The four-year accounting degree provides the student with a sequence of courses that is broad-based in its scope. This program provides maximum flexibility in choosing accounting electives. This program is not designed for those seeking to sit for the CPA examination.

### **Business Core (49 credits required)**

ACCT 213 Financial Accounting (4 cr)  
ECON 221 Principles of Macroeconomics (4 cr)  
ECON 235 Introductory Statistics (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ECON 222 Principles of Economics II (4 cr)  
ECON 335 Applied Statistics (2 cr)  
MGT 321 Organization and Administration (4 cr)  
MGT 325 Management Information Systems (3 cr)  
MKT 331 Marketing Principles (4 cr)  
FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

### **Business Cognates (12 credits required)**

MATH 120B Finite Mathematics (4 cr)  
    or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for  
    business students who are not planning to take additional work in mathematics]  
ENGL 300 Writing in the Professions (3 cr)  
COMM 105A Fundamentals of Communication (3 cr)  
ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two  
    credits in a high level language]

### **Courses Outside of the College of Business and Management**

48 credits must be earned in courses that are not in the College of Business and Management.

### **Major Required Courses (12 credits)**

ACCT 311 Intermediate Accounting I (4 cr)  
ACCT 312 Intermediate Accounting II (4 cr)  
ACCT 315 Cost Accounting (4 cr)

### **Major Electives (3 courses required)**

ACCT 218 Fund Accounting (4 cr)  
ACCT 316 Federal Income Tax Accounting (4 cr)  
ACCT 317 International Accounting (3 cr)  
ACCT 318 E-Business: Measurement, Audit & Security (3 cr)  
ACCT 411 Advanced Accounting (4 cr)  
ACCT 413 Auditing (4 cr)  
ACCT 414 Accounting Information Systems (3 cr)  
ACCT 415 Advanced Management Accounting (3 cr)  
ACCT 416 Federal Income Tax-Advanced (4 cr)

## **Bachelor of Professional Accountancy (B.P.A.)**

The objective of the Bachelor of Professional Accountancy (B.P.A.) curriculum sequence is to prepare the student for a career in professional accounting. This program would satisfy the 150-hour (five year) requirement to sit for the CPA examination. It would also provide in-depth preparation beyond the B.B.A. in accounting for other certification examinations—or for those who desire additional preparation in a specific area of accounting.

Candidates applying for CPA licensure must complete 3 hours of business communication and 3 hours of computer technology. The business communication requirement is fulfilled by completing ENGL 300 (Writing in the Professions) and COMM 105A (Fundamentals of Communication). Students who have completed the equivalent of either of these courses at another institution may find it necessary to petition for a substitution. At present, the Licensing Board may not have the course syllabus on file for a course that was taken at another college or university. If this is the case, the candidate must submit copies of the course syllabus for review by the Board. The computer technology requirement is met by taking 3 credits of computer technology courses consisting of any combination of ECON 151 (2 credits, Computer Applications in Business), a computer application course from the Computer Science Department, ACCT 419 (Accounting Software Applications), and ACCT 318 (E-Business: Measurement, Audit and Security). This combination of courses must total at least 3 credit hours. Neither MGT 325 (Management Information Systems) nor ACCT 414 (Accounting Information Systems) will fulfill this requirement at the present time.

### **Business Core (49 credits required)**

ACCT 213 Financial Accounting (4 cr)  
ECON 221 Principles of Macroeconomics (4 cr)  
ECON 235 Introductory Statistics (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ECON 222 Principles of Economics II (4 cr)  
ECON 335 Applied Statistics (2 cr)  
MGT 321 Organization and Administration (4 cr)  
MGT 325 Management Information Systems (3 cr)  
MKT 331 Marketing Principles (4 cr)  
FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

### **Business Cognates (12 credits required)**

MATH 120B Finite Mathematics (4 cr)  
or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for business students who are not planning to take additional work in mathematics]  
ENGL 300 Writing in the Professions (3 cr)  
COMM 105A Fundamentals of Communication (3 cr)  
ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two credits in a high level language]

### **Courses Outside of the College of Business and Management**

48 credits must be earned in courses that are not in the College of Business and Management.

## **Major Required Courses (31 credits)**

ACCT 218 Fund Accounting (4 cr)  
ACCT 311 Intermediate Accounting I (4 cr)  
ACCT 312 Intermediate Accounting II (4 cr)  
ACCT 315 Cost Accounting (4 cr)  
ACCT 316 Federal Income Tax Accounting (4 cr)  
ACCT 411 Advanced Accounting (4 cr)  
ACCT 413 Auditing (4 cr)  
ACCT 414 Accounting Information Systems (3 cr)

## **Major Electives (two of the following courses required)**

ACCT 317 International Accounting (3 cr)  
ACCT 318 E-Business: Measurement, Audit & Security (3 cr)  
ACCT 416 Federal Income Tax - Advanced (4 cr)  
ACCT 415 Advanced Managerial Accounting (3 cr)  
ACCT 419 Accounting Software Applications (3 cr)  
LAW 309 Private Law and Business (3-4 cr)

**Optional Elective:** ACCT 319 Accounting Internship (1-3 cr)

## **Accounting (Non-B.B.A.)**

Accounting is not available as a second major to students currently enrolled in a non-B.B.A. SVSU major.

## **Accounting Minors**

A minor is not required for the B.B.A. or B.P.A. degree. The minor requirement is met automatically by completing the business core; however, a minor in economics, finance, legal studies, management or marketing may be obtained by completion of certain courses listed under the respective department. Likewise, a minor can be obtained outside the College of Business and Management (computer science and English, for example) by meeting the requirements of that department.

## **Accounting Minor (B.B.A. Major)**

ACCT 213 Financial Accounting (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ACCT 311 Intermediate Accounting I (4 cr)  
ACCT 312 Intermediate Accounting II (4 cr)  
One additional accounting course (3-4 cr)

## **Accounting Minor (Non-B.B.A. Major)**

ACCT 213 Financial Accounting (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ACCT 311 Intermediate Accounting I (4 cr)  
Two additional accounting courses (6-8 cr)

# Economics

## Department Faculty

Hong Youl Park, Shyamalendu Sarkar, Christopher Surfield, William P. Welch

## Economics (B.B.A. or as a second major)

A minor is not required. (The minor requirement is met automatically by completing the business core; however, a minor in accounting, finance, legal studies, management or marketing may be obtained by completion of certain courses as listed under the respective department.)

### Business Core (49 credits required)

ACCT 213 Financial Accounting (4 cr)  
ECON 221 Principles of Macroeconomics (4 cr)  
ECON 235 Introductory Statistics (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ECON 222 Principles of Economics II (4 cr)  
ECON 335 Applied Statistics (2 cr)  
MGT 321 Organization and Administration (4 cr)  
MGT 325 Management Information Systems (3 cr)  
MKT 331 Marketing Principles (4 cr)  
FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

### Business Cognates (12 credits required)

MATH 120B Finite Mathematics (4 cr)  
or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for business students who are not planning to take additional work in mathematics]  
ENGL 300 Writing in the Professions (3 cr)  
COMM 105A Fundamentals of Communication (3 cr)  
ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two credits in a high level language]

### Courses Outside of the College of Business and Management

48 credits must be earned in courses that are not in the College of Business and Management.

### Major Courses (18 credits from the following courses)

ECON 301 Money, Credit and Banking (3 cr)  
ECON 304 Income and Employment Theory (4 cr)  
ECON 315 The Price System (4 cr)  
ECON 324 Economics of Labor (2-4 cr)  
ECON 363 Business and Economic Forecasting (4 cr)  
ECON 370 Regional Economics (3 cr)  
ECON 375 Managerial Economics (4 cr)

ECON 402 Public Finance (4 cr)  
ECON 461 Introduction to Econometrics (3 cr)  
ECON 465 Economic Development (4 cr)

## **Economics Minor**

An economics minor is available to any student by completing 18 credits in economics (not including ECON 151, 235 or 335). Students pursuing secondary teaching certification must complete 20 credits for a minor (excluding ECON 151, 235, 335).

## **Economics (B.A.)**

A minor is required.

## **Major Required Courses (37-38 credits)**

ECON 151 Computer Application in Business (2 cr) [or an introductory programming course of at least two credits in another high level language]  
ECON 221 Principles of Macroeconomics (4 cr)  
ECON 222 Principles of Microeconomics (4 cr)  
ECON 235 Introductory Statistics (4 cr)  
ECON 301 Money Credit and Banking (3 cr)  
ECON 304 Income and Employment Theory (4 cr)  
ECON 315 The Price System (4 cr)  
ECON 335 Applied Statistics (2 cr)  
ECON 375 Managerial Economics (4 cr)  
ECON 461 Introduction to Econometrics (3 cr)  
One course from  
    ECON 465 Economic Development (4 cr)  
    PS 123 The American Political System (3 cr)

## **Recommended Electives**

SOC 111 Introduction to Sociology (3 cr)  
SOC 236 Social Problems (3 cr)  
PSYC 100 General Psychology (4 cr)  
PSYC 330 Motivation (3 cr)  
PSYC 350 Social Psychology (3 cr)  
HIST 317 America and The World: 1945-present (3 cr)

## **Law and Finance**

### **Department Faculty**

Gwangheon Hong, Iksu Jurn, Wayne E. Mackie, David A. Potts, Jill L. Wetmore

## **Finance (B.B.A. or as a second major)**

A minor is not required (The minor requirement is met automatically by completing the business core; however, a minor in accounting, economics, legal studies, management or marketing may be obtained by completing certain courses as listed under the respective department.)

### **Business Core (49 credits required)**

ACCT 213 Financial Accounting (4 cr)  
ECON 221 Principles of Macroeconomics (4 cr)  
ECON 235 Introductory Statistics (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ECON 222 Principles of Economics II (4 cr)  
ECON 335 Applied Statistics (2 cr)  
MGT 321 Organization and Administration (4 cr)  
MGT 325 Management Information Systems (3 cr)  
MKT 331 Marketing Principles (4 cr)  
FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

### **Business Cognates (12 credits required)**

MATH 120B Finite Mathematics (4 cr)  
or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for business students who are not planning to take additional work in mathematics]  
ENGL 300 Writing in the Professions (3 cr)  
COMM 105A Fundamentals of Communication (3 cr)  
ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two credits in a high level language]

### **Courses Outside of the College of Business and Management**

48 credits must be earned in courses that are not in the College of Business and Management.

### **Foundation Course (3 credits required)**

ECON 301 Money, Credit and Banking (3 cr)

### **Major Required Courses (10 credits)**

FIN 302 Investment Analysis (3 cr)  
FIN 303 Financial Institutions (3 cr)  
FIN 405 Financial Policy and Topics (4 cr)

### **Major Electives (6 credits required)**

FIN 305 Principles of Risk and Insurance (3 cr)  
FIN 306 Commercial Banking (3 cr)  
FIN 307 Real Estate Finance (3 cr)  
LAW 309 Private Law and Business (3-4 cr)  
FIN 310 International Finance (3 cr)  
FIN 401 Investment Strategy (3 cr)

FIN 403 Advanced Financial Management (3 cr)

### **Finance Minor (B.B.A. Major)**

FIN 405 Financial Policy and Topics (4 cr)

Two additional 300-400 level finance courses beyond the core.

### **Finance Minor (Non-B.B.A. Major)**

18 credits from the following courses:

FIN 104 Consumer Finance (3 cr)

FIN 302 Investment Analysis (3 cr)

FIN 303 Financial Institutions (3 cr)

FIN 304 Financial Management (4 cr)

FIN 305 Principles of risk and Insurance (3 cr)

FIN 306 Commercial Banking (3 cr)

FIN 307 Real Estate Finance (3 cr)

FIN 310 International Finance (3 cr)

FIN 401 Investment Strategy (3 cr)

FIN 403 Advanced Financial Management (3 cr)

FIN 405 Financial Policy and Topics (4 cr)

LAW 308 Social, Political and Legal Environment of Business (4 cr)

### **Legal Studies Minor (B.B.A. Major)**

LAW 499 Independent Study in Law (2-6 cr)

Two courses from

LAW 208[CI] Law and Society (3 cr)

LAW 209 Law and the Professions (3 cr)

LAW 309 Private Law and Business (3 cr)

LAW 407 International Business Law (3 cr)

LAW 408 Labor Law (3 cr)

### **Legal Studies Minor (Non-B.B.A. Major)**

18 credits from the following courses:

LAW 208[CI] Law and Society (3 cr)

LAW 209 Law and the Professions (3 cr)

LAW 308 Social, Political and Legal Environment of Business (4 cr)

LAW 309 Private Law and Business (3-4 cr)

LAW 407 International Business Law (3 cr)

LAW 408 Labor Law (3 cr)

LAW 499 Independent Study in Law (2-6 cr)

# Management/Marketing

## Department Faculty

Shiv K. Arora, Deborah R. Bishop, Timothy Brotherton, Gary L. Clark, David M. Hall, Scott Julian, Richard D. Leininger, Dana McCann, Joseph Ofori-Dankwa, George M. Puia, C. Surender Reddy, Danilo Sirias, Gail E. Sype

Students may select a major in management as well as a more specialized major in industrial management. A management minor also is offered. Students selecting any major offered in the management area are expected to develop the verbal and quantitative skills and the knowledge of human behavior necessary for success in a management career.

The management major seeks to promote the development of potential executives for business, government and other organizations. The program permits a student to gain an understanding of management techniques while acquiring a broadly based general education.

## Management (B.B.A. or as a second major)

A minor is not required. (The minor requirement is met automatically by completing the business core; however, a minor in accounting, economics, finance, legal studies or marketing may be obtained by completion of certain courses as listed under the respective department.)

### Business Core (49 credits required)

ACCT 213 Financial Accounting (4 cr)  
ECON 221 Principles of Macroeconomics (4 cr)  
ECON 235 Introductory Statistics (4 cr)  
ACCT 214 Managerial Accounting (4 cr)  
ECON 222 Principles of Economics II (4 cr)  
ECON 335 Applied Statistics (2 cr)  
MGT 321 Organization and Administration (4 cr)  
MGT 325 Management Information Systems (3 cr)  
MKT 331 Marketing Principles (4 cr)  
FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

### Business Cognates (12 credits required)

MATH 120B Finite Mathematics (4 cr)  
or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for business students who are not planning to take additional work in mathematics]  
ENGL 300 Writing in the Professions (3 cr)  
COMM 105A Fundamentals of Communication (3 cr)  
ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two credits in a high level language]

### Courses Outside of the College of Business and Management

48 credits must be earned in courses that are not in the College of Business and Management.

**Required Foundation Course (4 credits)**

PSYC 100 General Psychology (4 cr)

**Major Required Courses (7 credits)**

MGT 323 Human Resource Management (3 cr)

MGT 328 Organizational Behavior (4 cr)

**Major Electives (12 credits required)**

12 credits required in 300-400 level management courses, not to include any business core courses.

**Management Minor (B.B.A. Major)**

MGT 323 Human Resource Management (3 cr)

MGT 328 Organizational Behavior (4 cr)

6 additional credits in 300-400 level management courses, not to include any business core courses.

**Management Minor (Non-B.B.A. Major)**

MGT 321 Organizational and Administration (4 cr)

MGT 323 Human Resource Management (3 cr)

MGT 328 Organizational Behavior (4 cr)

6 additional credits in 300-400 level management courses.

**Industrial Management (B.B.A. or as a second major)**

A minor is not required. (The minor requirement is met automatically by completing the business core; however, a minor in accounting, economics, finance, legal studies or marketing may be obtained by completion of certain courses as listed under the respective department. A management minor or major may not be earned with this major.)

**Business Core (49 credits required)**

ACCT 213 Financial Accounting (4 cr)

ECON 221 Principles of Macroeconomics (4 cr)

ECON 235 Introductory Statistics (4 cr)

ACCT 214 Managerial Accounting (4 cr)

ECON 222 Principles of Economics II (4 cr)

ECON 335 Applied Statistics (2 cr)

MGT 321 Organization and Administration (4 cr)

MGT 325 Management Information Systems (3 cr)

MKT 331 Marketing Principles (4 cr)

FIN 304 Financial Management (4 cr)

MGT 324 Production and Operations Management (4 cr)

LAW 308 Social, Political and Legal Environment of Business (4 cr)

MGT 429 Executive Strategies and Policies (4 cr)

### **Business Cognates (12 credits required)**

MATH 120B Finite Mathematics (4 cr)

or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for business students who are not planning to take additional work in mathematics]

ENGL 300 Writing in the Professions (3 cr)

COMM 105A Fundamentals of Communication (3 cr)

ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two credits in a high level language]

### **Courses Outside of the College of Business and Management**

48 credits must be earned in courses that are not in the College of Business and Management.

### **Required Foundation Courses (8 credits required)**

PSYC 100 General Psychology (4 cr)

ACCT 315 Cost Accounting (4 cr)

### **Required Major Courses (14 credits)**

MGT 320 Quantitative Aids for Managerial Decision Making (4 cr)

MGT 328 Organizational Behavior (4 cr)

MGT 424 Production Planning and Control (3 cr)

MGT 328 Problems in Operations Management (3 cr)

### **Major Electives (3 credits required)**

3 additional credits in 300-400 level management courses.

### **Minor**

An industrial management minor is not available to any student.

### **Marketing (BBA or a second major)**

A minor is not required. (The minor requirement is met automatically by completing the business core; however, a minor in accounting, economics, finance, legal studies or management may be obtained by completion of certain courses as listed under the respective department.)

### **Business Core (49 credits required)**

ACCT 213 Financial Accounting (4 cr)

ECON 221 Principles of Macroeconomics (4 cr)

ECON 235 Introductory Statistics (4 cr)

ACCT 214 Managerial Accounting (4 cr)

ECON 222 Principles of Economics II (4 cr)

ECON 335 Applied Statistics (2 cr)

MGT 321 Organization and Administration (4 cr)

MGT 325 Management Information Systems (3 cr)

MKT 331 Marketing Principles (4 cr)

FIN 304 Financial Management (4 cr)  
MGT 324 Production and Operations Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 429 Executive Strategies and Policies (4 cr)

**Business Cognates (12 credits required)**

MATH 120B Finite Mathematics (4 cr)  
or MATH courses numbered at or above MATH 161 [although MATH 120B is recommended for business students who are not planning to take additional work in mathematics]  
ENGL 300 Writing in the Professions (3 cr)  
COMM 105A Fundamentals of Communication (3 cr)  
ECON 151 Computer Applications in Business (2 cr) [or an introductory programming course of at least two credits in a high level language]

**Courses Outside of the College of Business and Management**

48 credits must be earned in courses that are not in the College of Business and Management.

**Major Required Courses (9 credits)**

MKT 434 Consumer Behavior (3 cr)  
MKT 435 Marketing Research (3 cr)  
MKT 436 Marketing Problems (3 cr)

**Major Electives (9 credits required)**

9 additional credits in 300-400 level marketing courses, not to include any business core courses.

**Marketing Minor (B.B.A. Major)**

MKT 435 Consumer Behavior (3 cr)  
MKT 436 Marketing Problems (3 cr)  
6 additional credits in 300-400 level marketing courses, not to include any business core courses.

**Marketing Minor (Non-B.B.A. Major)**

MKT 331 Principles of Marketing (4 cr)  
MKT 436 Marketing Problems (3 cr)  
12 additional credits in 300-400 level marketing courses

# College of Education

Stephen P. Barbus, Dean

Nicole Arbury, Assistant Dean

NOTE: Candidates must meet all university general and academic requirements.

SVSU is fully approved as a teacher-training institution by action of the Michigan Board of Education and is fully accredited at the bachelor's and master's levels by the North Central Association of Colleges and Secondary Schools. Also, the College is fully accredited by the National Council for Accreditation of Teacher Education (NCATE) at the basic and graduate levels.

Teaching is an exciting and challenging profession. The College of Education provides students with the knowledge and skills to meet these challenges. Teaching is a multi-faceted process combining the knowledge of subject matter with a variety of teaching strategies. Knowledge of content and methods is only part of the process. As prospective teachers, students will have the opportunity to apply what they have learned. The methods courses in the College of Education provide opportunities to work with children or adolescents in a variety of ways. Through SVSU's extensive field work program, students will observe master teachers, tutor students who are behind in their studies, gain experience in planning for instruction, and practice teaching methods in actual elementary or secondary classrooms. After these experiences, the opportunity for student teaching will serve as a culminating experience in which students can refine their knowledge and the skills that they have developed.

Statewide regulations govern the certification of teachers, which SVSU must enforce. There are additional requirements the college has added that can make you a better teacher. These requirements should improve students' chances of finding an appropriate teaching position.

The goals of the program collectively prepare students to work intensely with individuals, become effective classroom teachers, and, as professional educators, make a broader contribution in the field of education. SVSU graduates can place in perspective their assumptions about children, the nature of learning, the process of education, and the role of the educator.

SVSU's secondary education program prepares students for teaching in the 21st century. Students will work closely with innovative educators in school districts in the Saginaw Valley. Learning from them in their classrooms, as well as in the college setting, will be most beneficial to the student. Students will have contact with a variety of cultural and academic backgrounds. Students will have frequent opportunities to discuss their thoughts with practicing teachers and administrators, college personnel and fellow classmates.

## **Elementary and Secondary Teaching Programs: Initial Certification**

### **Teacher Education Program: Policies and Procedures**

The Teacher Education Program at Saginaw Valley State University is built upon a foundation in the liberal arts, proficiency in Basic Skills, attainment of subject matter specialties and competency in professional studies. A recommendation by the University to the Michigan Department of Education for a provisional teaching certificate is based upon the successful completion of specific requirements in those four areas.

Students should follow the planned program in this catalog established by the College of Education for completing General Education requirements, Basic Skills requirements and approved majors and minors for teachers.

The steps leading to a recommendation for teacher certification are:

1. Fulfill application requirements for admission to the University.
2. Gain admission into the Teacher Education Program.
3. Attain acceptance for student teaching.
4. Successfully complete student teaching.
5. Fulfill the requirements for a bachelor's degree.
6. Successful completion of State required Michigan Test for Teacher Certification Basic Skills and appropriate content area major and minor tests.

In addition to the requirements listed here, candidates for teacher certification must complete any new requirements established by the state Board of Education.

### **Application Requirements**

Students must apply and be accepted into the teacher education program prior to enrollment in 300-level professional studies courses. The requirements listed below must be completed or in progress for application to the teacher education program. The following must be successfully completed prior to filing an application with the College of Education:

1. All Basic Skills requirements.
2. Minimum 2.75 cumulative GPA based on most recent 60 credits.
3. Passing scores on the Michigan Test for Teacher Certification (MTTC) Basic Skills Test, as established by the Michigan Department of Education.
4. Minimum 61 credits with a grade of "C" or better.

The following may be in progress when filing an application with the College of Education, but must successfully be completed by the end of winter semester for fall admission, or the end of fall semester for winter admission:

1. Psychology 100 with a grade of "C" or better.
2. Teacher Education 100 with a grade of "C" or better.
3. 15 credits in the major and nine credits in minor (Secondary majors only).

### **Admission into the Teacher Education Program**

Students will be selected for admission into the Teacher Education Program on the basis of several admissions criteria. These criteria include a cumulative GPA based on the most recent 60 semester credits; passing scores on the MTTC Basic Skills; and the results of an interview with professional educators. Other criteria include consideration of potential contributions to a pluralistic society, and demonstrated interest in content areas of high need determined both locally and nationally. Students will be notified in writing of the results of their application.

Effective Jan 1, 1998, any candidate who is denied admission may reapply up to two additional semesters. After three denials, a student's application for admission will not be accepted.

### **Progression and Return Policies**

All students admitted into the Teacher Education Program must maintain a minimum overall GPA of at least 2.50 in the professional studies course sequence to remain in the Teacher Education Program. College of Education faculty will review and determine the readiness of any student whose GPA is below 2.50 in the

professional studies sequence or upon the written request of a professor in the professional studies sequence or a professor in a student's major or minor fields. Students who receive a grade of "D" in a professional studies course will be subject to review by College of Education faculty prior to continuing in the program.

### **Acceptance for Student Teaching**

Student teaching placement generally occurs at the end of the professional studies sequence. Students must apply during the year preceding the one in which they will be ready for student teaching. It is recommended that students complete the Michigan Test for Teacher Certification Content Area Tests prior to student teaching. Contact the Student Teaching Office for specific deadlines for application for student teaching.

## **Teacher Education**

### **Department Faculty**

Patricia Calahan, Camille Cammack, David Cline, Gamal Elashhab, Susie B. Emond, Carolyn Gilbreath, Douglas E. Hansen, Susan Hillman, Abigail Jewkes, B. Jean Jones, Kathy Kalmar, Melissa Kaczmarck, Poonam Kumar, Debra Lively, Dorothy Millar, Virginia Muller, Gretchen M. Owocki, Nancy Rice, Pamela Ross-McClain, James Royle, Patricia Salemi, Byung-In Seo, Robert Shaw, Deborah Smith, Carrie Sorensen, Ervin F. Sparapani, Dee Storey, Ann-Catherine Sullivan, Anne Tapp, C. Rodacy Williams, Carol Wolfe

### **Elementary Education Major (B.A.)**

SVSU is authorized by the State of Michigan to recommend students for initial certification at the elementary level, grades kindergarten through eighth. As such, the elementary education degree plan includes course work in the following areas: General Education, specialty studies and professional education. In keeping with state requirements, SVSU requires that all elementary education majors complete a minimum of 35 credits in 10 areas of General Education. The specialty studies component is a planned sequence of courses and experiences consisting of academic knowledge essential for professional competence in teaching and other professional education assignments. The academic knowledge of the subject matter is acquired through course work in the minor areas of academic study. The professional studies component prepares elementary education majors to work effectively in a variety of educational settings. This component is a planned sequence of courses and experiences consisting of both knowledge about education and clinical experiences derived from professional practice in schools. Throughout the sequence of courses and experiences, prospective teachers are required to integrate cognitive knowledge of education with practical experiences with children and youth in schools.

The Elementary Education Program consists of three components:

1. General Education (35 credits in 10 areas; described under Baccalaureate Degree Requirements)
2. Academic Minors
3. Professional Education Requirements

### **Academic Minors**

Elementary Education majors are required to have a foundation in English, mathematics, the natural sciences, and the social sciences beyond the general education requirements. To achieve this, a minimum of three minors must be selected from Categories A and B.

### **Category A**

First, select two minors from the following four core content areas. The approved list of courses for each of these areas is given below.

### **English Minor (21 credits required)**

9 credits from:

ENGL 201 Introduction to Literary Studies (3 cr)

One course from

ENGL 300 Writing in the Professions (3 cr)

ENGL 301 Writing Interpretive Papers (3 cr)

ENGL 380 Teaching the Art of Writing (3 cr)

3 credits from:

ENGL 271 American Literature (3 cr)

ENGL 272 American Literature (3 cr)

ENGL 299 Selected Topics in Literature [American only] (1-4 cr)

3 credits from (355 or 370 highly recommended):

ENGL 345 History of the English Language (3 cr)

ENGL 350 Dialects in Contemporary English (3 cr)

ENGL 355 Language in Society (3 cr)

ENGL 370 Language in Education (3 cr)

3 credits from:

ENGL 261 Introduction to Creative Writing (3 cr)

ENGL 305 Creative Writing: Poetry (3 cr)

ENGL 306 Creative Writing: Fiction (3 cr)

3 credits from any literature course (excluding those listed above)

### **Mathematics Minor (20-24 credits required)**

The total number of credits earned for a mathematics minor (20-24 credits) may vary depending on whether a student must take MATH 103, which can be waived by successfully completing the Algebra Placement Test given by the Academic Advisement Center.

MATH 103 Intermediate Algebra (4 cr) [May be waived on basis of pretest given by the Academic Advisement Center]

#### **Required Courses (16 credits)**

MATH 104 Geometry (4 cr)

MATH 132A Statistics (4 cr)

MATH 110 Mathematics for Elementary Teachers (4 cr)

MATH 125 Contemporary Mathematics (4 cr)

#### **Required Electives (4 credits)**

MATH 120A College Algebra (4 cr)

MATH 120B Finite Mathematics (4 cr)

MATH 140 Introductory Mathematical Analysis (4 cr)

MATH 161 Calculus with Analytic Geometry I (4 cr)

Students who possess a more advanced background than the courses listed above will be counseled into higher-level math courses.

## **Natural Science Minor (24 credits required)**

### **Required Foundation Courses (12 credits)**

CHEM 102B Concepts of Matter (4 cr)

PHYS 107 Our Physical World (4 cr)

One course from

BIOL 105A Science of Life (4 cr)

BIOL 111A Principles of Biology (4 cr)

### **Required Electives (12 credits)**

PHYS 106A Earth and Space Science A: Physical Geology (4 cr)

PHYS 106B Earth and Space Science B: Meteorology (4 cr)

PHYS 106C Earth and Space Science C: Astronomy (4 cr)

BIOL 104A Plants and Civilization (3 cr)

BIOL 105B Environmental Dynamics (4 cr)

BIOL 105C Human Heredity (4 cr)

BIOL 111B Principles of Zoology (3 cr)

BIOL 111C Principles of Botany (3 cr)

CHEM 101 Introduction to Chemistry (4 cr)

CHEM 111 General Chemistry Lecture I (4 cr)

CHEM 111L General Chemistry Lab I (1 cr)

CHEM 112 General Chemistry Lecture II (4 cr)

CHEM 112L General Chemistry Lab II (1 cr)

CHEM 350 Teaching of Chemistry (1-2 cr) [Instructor permission required]

CHEM 352 Lab Supervision in Chemistry (1-2 cr) [Instructor permission required]

PHYS 111 General Physics I (4 cr)

PHYS 111L General Physics Lab I (1 cr)

PHYS 112 General Physics II (4 cr)

PHYS 112L General Physics Lab II (1 cr)

Advanced science students may choose to substitute the following: BIOL 111A for BIOL 105A; CHEM 111 and 111L for CHEM 102B; and PHYS 111 and 111L for PHYS 107. Any substituted class can only be counted in one natural science section. Any acceptable course that transfers in as Category 4 for the General Education Requirements may be applied to the elective category of the natural science minor. GEOG 101[CI] applies to the Social Studies minor.

## **Social Studies Minor (28 credits required)**

Students who plan to minor in social studies must follow the guidelines for the minor as indicated.

### **History (9 credits required)**

HIST 100D The World to 1500 (3 cr)

One of the following pairs:

HIST 241 History of Michigan (3 cr)

and  
HIST 311 U.S. History During the Revolution (3 cr)  
or  
HIST 241 History of Michigan (3 cr)  
and  
HIST 314 U.S. History During the Civil War and Reconstruction (3 cr)

### **Economics (7 credits required)**

ECON 125 Introduction to Economics (3 cr)  
ECON 221 Principles of Macroeconomics (4 cr)

### **Political Science (6 credits required)**

PS 123 The American Political System (3 cr)  
PS 262 State and Local Government: Politics/Public Policy (3 cr)

### **Geography (6 credits required)**

GEOG 101[CI] Introduction to Physical Geography (3 cr)  
GEOG 201 World Cultural/Regional Geography (3 cr)

### **Social Studies as a Planned Program Minor**

Students who select social studies as a planned program minor must take one course in history, one course in economics, one course in political science, and one course in geography, to total a minimum of 12 credits.

### **Category B**

The student then will use the remaining two core content areas to build a 24-credit “Planned Program Minor.” This minor consists of 12 credits in each of the two remaining core content areas. The courses to build the planned program minor also must be selected from the approved list of courses for the academic minors above.

#### **Example**

A student selects English and mathematics as minors from Category A. Then, under Category B, the student builds a planned program minor consisting of 12 credits from the approved courses for natural science and 12 credits from the approved courses for social studies. Note: Students using courses from the social studies minor toward their planned program minor must choose one course from each social studies area (i.e., history, political science, economics and geography).

### **Professional Education Requirements (47-56 credits required)**

#### **Pre-Professional Studies (5 credits required)**

PSYC 100 General Psychology (4 cr)  
TE 100 Exploring Teaching: K-12 (1 cr)

#### **Professional Studies (35 credits required)**

EDL 300 Foundations of Education: K-12 (3 cr)

TE 301 Methods of Teaching Children's Literature: K-8 (2 cr)  
TE 310 Methods of Teaching Reading: K-8 (6 cr)  
TE 322 Methods of Teaching in the Arts: K-8 (3 cr)  
TE 325 Methods of Teaching Physical and Health Education: K-8 (3 cr)  
TE 330 Methods of Teaching Science: K-8 (4 cr)  
TE 331 Methods of Teaching Mathematics: K-8 (4 cr)  
TE 334 Computer Applications in Schools: K-8 (2 cr)  
TE 341 Methods of Teaching Social Studies: K-8 (4 cr)  
TE 342 Teaching and Managing the Diverse Classroom: K-8 (4 cr)

**Support Courses (6 credits required)**

PSYC 310 Child Psychology (3 cr)  
PSYC 317 Educational Psychology (3 cr)

**Student Teaching (12 credits required)**

TE 410 Student Teaching Seminar: K-8 (2 cr)  
TE 420 Student Teaching: K-8 (3-10 cr)  
Must be passed to be recommended for certification as a K-8 teacher.

Courses within the Professional Studies Requirement block should be completed in the following sequence with the approval of the student's Elementary Education Program advisor.

Semester 1

TE 301 Methods of Teaching Children's Literature: K-8 (3 cr)  
TE 322 Methods of Teaching in the Arts: K-8 (3 cr)  
TE 341 Methods of Teaching Social Studies: K-8 (4 cr)  
EDL 300 Foundations of Education (3 cr)  
PSYC 310 Child Psychology (3 cr)

Semester 2

TE 330 Methods of Teaching Science: K-8 (4 cr) [Prerequisite: 8 credits of General Education Science]  
TE 331 Methods of Teaching Mathematics (4 cr) [Prerequisite: MATH 110]  
TE 334 Computer Applications in Schools: K-8 (2 cr)  
ENGL 380 Teaching the Art of Writing (3 cr)  
PSYC 317 Educational Psychology (3 cr)

Semester 3

TE 310 Methods of Teaching Reading: K-8 (6 cr) [Prerequisite: PSYC 310 and ENGL 380]  
TE 325 Physical Education for the Classroom Teacher (3 cr)  
TE 342 Teaching and Managing the Diverse Classroom: K-8 (4 cr) [Prerequisite: PSYC 310 and ENGL 380]

**Student Teaching (12 credits required)**

[Prerequisite: TE 100: Exploring Teaching (1 cr); PSYC 100: General Psychology (4 cr), admission to Teacher Education, successful completion of all required professional courses, 2.50 GPA, application for Student Teaching. No student may enroll for any additional credits without written permission from the Dean.]

TE 410 Student Teaching Seminar: K-8 (2 cr)

TE 420 Student Teaching; K-8 (3-10 cr)

Must be passed to be recommended for certification as a K-8 teacher

#### Additional Minors Available

In addition to the content minors outlined above, students may complete the following minors in preparation for additional specialization and certification.

### **Bilingual Education Minor (24 credits required)**

An interdisciplinary minor in bilingual education is available for students in the Elementary Education and Secondary Teaching Certificate programs.

#### **Required courses (21 credits)**

SOC 310 Hispanic People in United States Society (3 cr)

SPAN 456 Introduction to Linguistics (3 cr)

SPAN 467 United States Spanish (3 cr)

SPAN 469 Teaching English as a Second Language for Spanish Speakers (3 cr)

TE 346 Cultural Differences in Education (3 cr)

SPAN 471 Bilingual/Bicultural Methodology in Bilingual Education (3 cr)

TE 423 Field Project for Bilingual/Bicultural Education in Spanish (3 cr)

#### **Required Elective (3 credits)**

SPAN 344 United States Hispanic Civilization (3 cr)

HIST 260 History of the Spanish Borderlands (3 cr)

SPAN 341 Spanish-American Civilization (3 cr)

HIST 261 History of Mexico (3 cr)

Students who select this minor also must demonstrate proficiency in basic standard Spanish by successfully completing SPAN 211, SPAN 212 and SPAN 302 or by demonstrating knowledge of that material by way of an examination given by the Department of Modern Foreign Languages.

### **Early Childhood Minor (20 credits required)**

Students enrolled in the early childhood minor must complete two academic minors and a planned program minor. Prerequisites: Admission to the Elementary Teacher Education Program; PSYC 310, Child Psychology.

Course requirements for TE 322 and TE342 are met through completion of the early childhood minor courses.

#### **Require Courses (20 credits)**

TE 480 Introduction to Early Childhood Education (4 cr)

TE 481 Curriculum Development in Early Childhood Programs (4 cr)

TE 482 Assessment of Children in Early Childhood Programs (4 cr)

TE 487 Young Child in Home/School/Community (4 cr)

TE 489 Internship in Preprimary Programs (4 cr)

Student teaching must be in K-2. Internship must be completed immediately before or after elementary student teaching.

The early childhood minor will be offered in cohorts with the following sequence of courses:

Semester 1

Introduction to Early Childhood Education

Semester 2

Curriculum Development for Early Childhood Programs or Assessment of Children in Early Childhood Programs

Semester 3

Curriculum Development for Early Childhood Programs or Assessment of Children in Early Childhood Programs

Semester 4

Internship in Preprimary Programs

## **Secondary Teaching Certification**

Students seeking secondary teaching certification must fulfill the general requirements for a bachelor's degree. Additionally, an approved teaching major must be completed. The approved majors are: art, biology, chemistry, communication and theatre, English, French, history, mathematics, music, physical education, physics and Spanish. Requirements are listed under the respective departments. Students seeking K-12 certification in art also should see the Certification Advisor in the College of Education.

Students seeking K-12 certification in music do not take EDL 305 or PSYC 315 (see the Music Department for substitute requirements). Students majoring in K-12 art, music, and physical education must enroll for 10 credits in TE 422 (see Director of Clinical Experience in the College of Education).

A 20-credit minor must be chosen from biology, chemistry, economics, Spanish, French, German, mathematics, physics, political science, psychology, sociology; or a 24-credit minor in art, communication and theatre, English, and physical education. Students should consult individual department listings for details on these minors.

In addition to content area minors, secondary certification students may complete the Bilingual/Bicultural Minor (see course requirements outlined above).

### **Pre-Professional Studies (5 credits required)**

PSYC 100 General Psychology (4 cr)

TE 100 Exploring Teaching: K-12 (1 cr)

### **Professional Studies (21 credits required)**

#### **Methodology (15 credits required)**

TEMS 302 and EDL 305 are prerequisites for TEMS 308 and TEMS 312.

EDL 300 Foundations of Education: K-12 (3 cr)

TEMS 302 General Methods for Teaching in the Secondary and Middle Schools (3 cr)

EDL 305 Computer Applications in the Secondary and Middle Schools (3 cr)

TEMS 308 Advanced Methods for Teaching in the Secondary and Middle Schools (3 cr)

TEMS 312 Teaching Reading in the Content Areas of Secondary and Middle Schools (3 cr)

## **Support Courses (6 credits required)**

PSYC 315 Adolescent Psychology (3 cr)

PSYC 317 Educational Psychology (3 cr)

## **Student Teaching (12 credits required)**

TEMS 412 Seminar in Secondary Student Teaching (2 cr)

TEMS 422 Secondary Student Teaching (10 cr)

## **Special Education Teaching Certification**

Students seeking to major in special education must fulfill the general requirements for a bachelor's degree, requirements for a teaching certificate at either the elementary or secondary level and advanced preparation in educating students with cognitive impairments, learning and/or behavior disorders. Students majoring in special education are subject to all teacher education policies and procedures.

This program represents an extended advanced training for special education majors for teaching individuals with cognitive impairments, learning disabilities and emotional impairments. Completion of the following sequence of courses will result in teacher certification at either the elementary or secondary level, a Master of Arts in Teaching and endorsements in cognitive impairments, learning disabilities and/or emotionally impaired. However, students may exit prior to the completion of this program at either the Bachelor of Arts/Science level with teacher certification or with B.A./B.S.-certification and an endorsement in emotionally impaired or cognitively impaired.

1. General Education: 35 credits in 10 areas; described under Baccalaureate Degree Requirements.
2. Professional Education Requirements: Following admission to the College of Education, students majoring in special education are required to follow the sequence for professional studies described under Elementary Education and Secondary Teaching. Exception: Elementary Education students continuing special education major are not required to complete TE 342, Teaching and Managing the Diverse Classroom: K-8.
3. Academic Minors

## **Special Education Major — Elementary (B.A.)**

Special education elementary majors are required to develop a foundation in English, natural science, mathematics and social studies. To achieve this, the student must select categories A and B.

### **Category A**

Select a minor from one of the following core content areas:

### **English Minor (21 credits required)**

9 credits from:

ENGL 201 Introduction to Literary Studies (3 cr)

One course from

ENGL 300 Writing in the Professions (3 cr)

ENGL 301 Writing Interpretive Papers (3 cr)

ENGL 380 Teaching the Art of Writing (3 cr)

3 credits from:

ENGL 271 American Literature (3 cr)

ENGL 272 American Literature (3 cr)  
ENGL 299 Selected Topics in Literature [American only] (1-4 cr)

3 credits from (355 or 370 highly recommended):  
ENGL 345 History of the English Language (3 cr)  
ENGL 350 Dialects in Contemporary English (3 cr)  
ENGL 355 Language in Society (3 cr)  
ENGL 370 Language in Education (3 cr)

3 credits from:  
ENGL 261 Introduction to Creative Writing (3 cr)  
ENGL 305 Creative Writing: Poetry (3 cr)  
ENGL 306 Creative Writing: Fiction (3 cr)

3 credits from any literature course (excluding those listed above)

### **Mathematics Minor (20-24 credits required)**

The total number of credits earned for a mathematics minor (20-24 credits) may vary depending on whether a student must take MATH 103, which can be waived by successfully completing the Algebra Placement Test given by the Academic Advisement Center.

MATH 103 Intermediate Algebra (4 cr) [May be waived on basis of pretest given by the Academic Advisement Center]

#### **Required Courses (16 credits)**

MATH 104 Geometry (4 cr)  
MATH 132A Statistics (4 cr)  
MATH 110 Mathematics for Elementary Teachers (4 cr)  
MATH 125 Contemporary Mathematics (4 cr)

#### **Required Electives (4 credits)**

MATH 120A College Algebra (4 cr)  
MATH 120B Finite Mathematics (4 cr)  
MATH 140 Introductory Mathematical Analysis (4 cr)  
MATH 161 Calculus with Analytic Geometry I (4 cr)  
Students who possess a more advanced background than the courses listed above will be counseled into higher-level math courses.

### **Natural Science Minor (24 credits required)**

#### **Required Foundation Courses (12 credits)**

CHEM 102B Concepts of Matter (4 cr)  
PHYS 107 Our Physical World (4 cr)  
One course from  
BIOL 105A Science of Life (4 cr)  
BIOL 111A Principles of Biology (4 cr)

### **Required Electives (12 credits)**

PHYS 106A Earth and Space Science A: Physical Geology (4 cr)  
PHYS 106B Earth and Space Science B: Meteorology (4 cr)  
PHYS 106C Earth and Space Science C: Astronomy (4 cr)  
BIOL 104A Plants and Civilization (3 cr)  
BIOL 105B Environmental Dynamics (4 cr)  
BIOL 105C Human Heredity (4 cr)  
BIOL 111B Principles of Zoology (3 cr)  
BIOL 111C Principles of Botany (3 cr)  
CHEM 101 Introduction to Chemistry (4 cr)  
CHEM 111 General Chemistry Lecture I (4 cr)  
CHEM 111L General Chemistry Lab I (1 cr)  
CHEM 112 General Chemistry Lecture II (4 cr)  
CHEM 112L General Chemistry Lab II (1 cr)  
CHEM 350 Teaching of Chemistry (1-2 cr) [Instructor permission required]  
CHEM 352 Lab Supervision in Chemistry (1-2 cr) [Instructor permission required]  
PHYS 111 General Physics I (4 cr)  
PHYS 111L General Physics Lab I (1 cr)  
PHYS 112 General Physics II (4 cr)  
PHYS 112L General Physics Lab II (1 cr)

Advanced science students may choose to substitute the following: BIOL 111A for BIOL 105A; CHEM 111 and 111L for CHEM 102B; and PHYS 111 and 111L for PHYS 107. Any substituted class can only be counted in one natural science section. Any acceptable course that transfers in as Category 4 for the General Education Requirements may be applied to the elective category of the natural science minor. GEOG 101[CI] applies to the Social Studies minor.

### **Social Studies Minor (28 credits required)**

Students who plan to minor in social studies must follow the guidelines for the minor as indicated.

#### **History (9 credits required)**

HIST 100D The World to 1500 (3 cr)

One of the following pairs:

HIST 241 History of Michigan (3 cr)

and

HIST 311 U.S. History During the Revolution (3 cr)

or

HIST 241 History of Michigan (3 cr)

and

HIST 314 U.S. History During the Civil War and Reconstruction (3 cr)

#### **Economics (7 credits required)**

ECON 125 Introduction to Economics (3 cr)

ECON 221 Principles of Macroeconomics (4 cr)

#### **Political Science (6 credits required)**

PS 123 The American Political System (3 cr)

PS 262 State and Local Government: Politics/Public Policy (3 cr)

### **Geography (6 credits required)**

GEOG 101[CI] Introduction to Physical Geography (3 cr)

GEOG 201 World Cultural/Regional Geography (3 cr)

### **Category B**

The student will use the remaining three core content areas to build a 20 to 22-credit planned program minor, which consists of at least two courses in each of the three remaining core content areas. NOTE: Students electing to exit from the Special Education Major—Elementary prior to the completion of Special Education Professional Studies and seeking certification must meet requirements for approved majors/minors under Elementary Education.

### **Professional Education Requirements (43-52 credits required)**

#### **Pre-Professional Studies (5 credits required)**

PSYC 100 General Psychology (4 cr)

TE 100 Exploring Teaching: K-12 (1 cr)

#### **Professional Studies (31 credits required)**

EDL 300 Foundations of Education: K-12 (3 cr)

TE 301 Methods of Teaching Children's Literature: K-8 (2 cr)

TE 310 Methods of Teaching Reading: K-8 (6 cr)

TE 322 Methods of Teaching in the Arts: K-8 (3 cr)

TE 325 Methods of Teaching Physical and Health Education: K-8 (3 cr)

TE 330 Methods of Teaching Science: K-8 (4 cr)

TE 331 Methods of Teaching Mathematics: K-8 (4 cr)

TE 334 Computer Applications in Schools: K-8 (2 cr)

TE 341 Methods of Teaching Social Studies: K-8 (4 cr)

#### **Support Courses (6 credits required)**

PSYC 310 Child Psychology (3 cr)

PSYC 317 Educational Psychology (3 cr)

#### **Student Teaching (12 credits required)**

TE 410 Student Teaching Seminar: K-8 (2 cr)

TE 420 Student Teaching: K-8 (3-10 cr)

Must be passed to be recommended for certification as a K-8 teacher.

### **Special Education Professional Studies Requirements**

#### **Emotionally Impaired Endorsement (40 credits required)**

PSYC 210 Applications in Human Development (4 cr)

PSYC 374 Psychological Disorders of Childhood and Adolescence (3 cr)

TE 430 Introduction to Special Education (3 cr)  
TE 431 Introduction to Emotional/Behavioral Impairments (3 cr)  
TE 432 Introduction to Learning Disabilities (3 cr)  
TE 445 Seminar Special Education: K-12 (2 cr)  
TE 460 Student Teaching: Special Education (6 cr)  
TE 516 Classroom Management Techniques (3 cr)  
TE 532 Assessment and Planning in Special Education (3 cr)  
TE 535 Consultation and Integrated Programming in Special Education (3 cr)  
TE 536 Advanced Theory and Practice: Emotionally Impaired (3 cr)  
TE 541 Special Education Curriculum and Methods: K-12 (4 cr)

### **Cognitively Impaired Endorsement (42 credits required)**

PSYC 210 Applications in Human Development (4 cr)  
PSYC 320 Psychology of Learning (3 cr)  
TE 430 Educating Exceptional Learners (3 cr)  
TE 433 Introduction to Cognitive Impairments (3 cr)  
TE 445 Seminar Special Education: K-12 (2 cr)  
TE 460 Student Teaching: Special Education (6 cr)  
TE 516 Classroom Management Techniques (3 cr)  
TE 532 Assessment and Planning in Special Education (3 cr)  
TE 535 Consultation and Integrated Programming in Special Education (3 cr)  
TE 541 Special Education Curriculum and Methods: K-12 (4 cr)  
TE 568 Educating Youth with Multiple Disabilities (3 cr)  
TE 569 Advanced Theory and Practice: Cognitive Impairments (3 cr)  
KINE 120 First Aid and CPR (2 cr)

### **Special Education Major—Secondary Teaching Certification**

In addition to the special education professional studies requirements and secondary education professional studies, special education majors at the secondary level must complete either:

1. An approved major listed below  
or
2. Two minors from the list of approved minors listed below

NOTE: Students electing to exit from the Special Education Major prior to completion of Special Education Professional Studies and seeking certification must meet requirements for approved majors/minors listed under Elementary/Secondary Certification.

The approved majors are: art, biology, chemistry, communication and theatre, English, French, history, mathematics, music, physical education, physics and Spanish. Requirements are listed under the respective departments. Students seeking K-12 certification in art also should see the Certification Advisor in the College of Education.

A 20-credit minor must be chosen from biology, chemistry, economics, Spanish, French, German, mathematics, physics, political science, psychology, sociology; or a 24-credit minor in art, communication and theatre, English, and physical education. Students should consult individual department listings for details on these minors.

## **Pre-Professional Studies (5 credits required)**

PSYC 100 General Psychology (4 cr)

TE 100 Exploring Teaching: K-12 (1 cr)

## **Secondary Education Professional Studies (21 credits required)**

### **Methodology (15 credits required)**

TEMS 302 and EDL 305 are prerequisites for TEMS 308 and TEMS 312.

EDL 300 Foundations of Education: K-12 (3 cr)

TEMS 302 General Methods for Teaching in the Secondary and Middle Schools (3 cr)

EDL 305 Computer Applications in the Secondary and Middle Schools (3 cr)

TEMS 308 Advanced Methods for Teaching in the Secondary and Middle Schools (3 cr)

TEMS 312 Teaching Reading in the Content Areas of Secondary and Middle Schools (3 cr)

### **Support Courses (6 credits required)**

PSYC 315 Adolescent Psychology (3 cr)

PSYC 317 Educational Psychology (3 cr)

## **Student Teaching (12 credits required)**

TEMS 412 Seminar in Secondary Student Teaching (2 cr)

TEMS 422 Secondary Student Teaching (10 cr)

## **Special Education Professional Studies Requirements**

### **Emotionally Impaired Endorsement (40 credits required)**

PSYC 210 Applications in Human Development (4 cr)

PSYC 374 Psychological Disorders of Childhood and Adolescence (3 cr)

TE 430 Introduction to Special Education (3 cr)

TE 431 Introduction to Emotional/Behavioral Impairments (3 cr)

TE 432 Introduction to Learning Disabilities (3 cr)

TE 445 Seminar Special Education: K-12 (2 cr)

TE 460 Student Teaching: Special Education (6 cr)

TE 516 Classroom Management Techniques (3 cr)

TE 532 Assessment and Planning in Special Education (3 cr)

TE 535 Consultation and Integrated Programming in Special Education (3 cr)

TE 536 Advanced Theory and Practice: Emotionally Impaired (3 cr)

TE 541 Special Education Curriculum and Methods: K-12 (4 cr)

### **Cognitively Impaired Endorsement (42 credits required)**

PSYC 210 Applications in Human Development (4 cr)

PSYC 320 Psychology of Learning (3 cr)

TE 430 Educating Exceptional Learners (3 cr)

TE 433 Introduction to Cognitive Impairments (3 cr)

TE 445 Seminar Special Education: K-12 (2 cr)

TE 460 Student Teaching: Special Education (6 cr)  
TE 516 Classroom Management Techniques (3 cr)  
TE 532 Assessment and Planning in Special Education (3 cr)  
TE 535 Consultation and Integrated Programming in Special Education (3 cr)  
TE 541 Special Education Curriculum and Methods: K-12 (4 cr)  
TE 568 Educating Youth with Multiple Disabilities (3 cr)  
TE 569 Advanced Theory and Practice: Cognitive Impairments (3 cr)  
KINE 120 First Aid and CPR (2 cr)

## **Teacher Education Program Requirements**

### **Grade Point Average Requirement**

Students in the Department of Teacher Education will be required to maintain an accumulative GPA of at least 2.50 in all professional studies courses in order to student teach. Additionally, NCATE accreditation requires an accumulative GPA of 2.50 prior to recommendation for certification.

Students failing to maintain the required GPA in either case may be dismissed from the program, subject to an appeal. Information for an appeals process may be obtained from the dean's office.

### **Student Teaching Regulations**

TE 420 and TEMS 422 are graded on a pass/fail basis. Evaluations are made and kept on file in the College of Education Office. Application forms for student teaching can be obtained from the College of Education web site and must be returned to the director by the last working day of the month of November for the next year's Fall Semester Student Teaching assignment, or by the last working day of the month of March for the next year's Winter Semester Student Teaching assignment.

Student teaching and the seminar (TE 410/420 or TEMS 412/422) constitute a full course load. No student may enroll for any additional credits without written permission from the Director of Clinical Experiences. Student teaching normally involves 14 weeks of full-time teaching in an area school. Assignments are made by the Director of Clinical Experiences.

Student teaching assignments are routinely made only for fall and winter semesters. Summer student teaching assignments may be approved by the faculty of the Department of Teacher Education upon recommendation of the Director of Clinical Experiences. Such assignments are to be exceptional and/or experimental.

**Note:** It is particularly important that students placed in student teaching assignments for a given semester immediately notify the Director of Clinical Experiences when they are not able to fulfill their placement obligation. When a student drops student teaching without approval of the Director of Clinical Experiences, he/she will not be given a student teaching assignment during the following semester. When this student reapplies, he/she may be asked to appear for a formal hearing of the Department of Teacher Education.

# Kinesiology

## Department Faculty

Paul A. Ballard, Jennifer M. Bridges, John E. Lowry, Joshua Ode, Robert L. Pratt, Ann-Catherine Sullivan

The Department of Kinesiology shares the University vision to be the premier learning community in Michigan and one of the best in the nation. In concert with the College of Education, we are dedicated to fostering a dynamic community of lifelong learners, skilled practitioners, and dedicated leaders. The department is committed to the creation, enhancement, and dissemination of knowledge in the fields of athletic training, exercise science and physical education. As agents of change, we strive to fulfill this commitment through exemplary scholarship, creative endeavors, teaching, technological involvement and service. In this pursuit, we encourage academic excellence; the integration of academic disciplines, and quest for social justice based on a knowledge and appreciation of human diversity.

The Department of Kinesiology has world-class facilities, including the Ryder Center, Natatorium, Wickes Memorial Stadium, Morley Track and Field, outdoor activity areas, fitness centers, dance studios, athletic training and rehabilitation center, and a state-of-the-art Human Performance Laboratory with computer classroom. Our top-notch faculty, innovative curriculum, and outstanding facilities create an environment unparalleled in Michigan for the development of our students.

The Department of Kinesiology offers three majors, two minors, an endorsement and a physical activity program. Students interested in Athletic Training can complete a clinical practice major in Athletic Training (AT) or combine the athletic training major with the physical education teacher education, K-12 major (PETE) and complete a double major. Athletic Training students who complete the double major in AT and PETE will be prepared to work as an athletic trainer and a teacher (Physical Education) K-12. The Athletic Training Education Program is fully accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The Exercise Science (ES) major is built upon the outcomes of the American College of Sports Medicine (ACSM) and National Strength and Conditioning Association (NSCA). The Physical Education Teacher Education, K-12 (PETE) major is accredited by the National Council for Accreditation of Teacher Education and National Association for Sport and Physical Education (NCATE/NASPE) and is thus recognized nationally as one of the premier teacher education programs. The two minors include Athletic Coaching (AC) and Physical Education Teacher Education, K-12 (PETE). The teaching endorsement area is in Adapted Physical Education (APE).

All teacher education students must apply and be admitted to the Teacher Education program (see a Kinesiology advisor and visit the SVSU College of Education website for current application materials). All athletic training students must also make a formal application and be admitted to the athletic training education program (see the ATEP program advisor and visit the SVSU College of Education website for current application materials).

## Majors

Athletic Training (AT)  
Exercise Science (ES)  
Physical Education Teacher Education, K-12 (PETE)

## Minors

Athletic Coaching (AC)  
Physical Education Teacher Education, K-12 (PETE)

## **Endorsements**

Adapted Physical Education (APE)

## **Athletic Training Major (B.S.)**

A minor is required. In order for students to complete the athletic training major, they must be accepted into the Athletic Training Education Program.

## **Athletic Training Education Program Admission and Retention Policies**

### **Requirements for Admission to the Athletic Training Education Program**

A committee, based upon current selection criteria, will select students to be admitted to the Athletic Training Education Program. Students should apply to the Athletic Training Education Program after completing the pre-requisite application requirements. An application form can be obtained from the Curriculum Coordinator of the Athletic Training Education Program. The admission process takes place twice a year and actual admission occurs at the beginning of fall or winter semesters.

### **Technical Standards For Admission**

The Athletic Training Education Program at Saginaw Valley State University is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Education Program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency, the Commission on Accreditation of Allied Health Education Programs (CAAHEP). All students admitted to the Athletic Training Education Program must meet the following abilities and expectations. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program.

Compliance with the program's technical standards does not guarantee a student's eligibility for the NATABOC certification exam.

Candidates for selection to the Athletic Training Education Program must demonstrate:

1. The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm.
2. Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients.
3. The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgment and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice.
4. The ability to record the physical examination results and a treatment plan clearly and accurately.
5. The capacity to maintain composure and continue to function well during periods of high stress.
6. The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced.
7. Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations.

8. Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Candidates for selection to the athletic training education program will be required to verify they understand and meet these technical standards or that they believe that, with certain accommodations, they can meet the standards.

The Office of Disability Services at SVSU can assist with accommodations for those with learning or physical disabilities SVSU will make every reasonable attempt to meet the needs of qualified individuals.

If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review a whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the education process of the student or the institution, including all coursework, clinical experiences and internships deemed essential to graduation.

### **Selection Criteria for the Athletic Training Education Program**

Ordinarily, the entering class is admitted to the Athletic Training Education Program in the fall or winter semesters. Admission to SVSU is required for, but does not guarantee, acceptance into the Athletic Training Education Program. The program is planned to accommodate a limited number of students each year and this number may vary depending on available resources. Prospective students must submit an application for admission to the Athletic Training Education Program by April 15 preceding fall admission or by November 15th preceding winter admission. Preference will be given to those applicants who have:

1. Completed a minimum of 12 college level semester hours and are currently enrolled in a minimum of 12 college level semester hours.
2. Achieved a minimum cumulative 2.75 GPA for all completed course work (based on all college-level work computed both at SVSU and at other schools and colleges).
3. Completed (or are in the process of completing) the following courses with a GPA of 2.75 or better in each:
  - a. KINE 120 First Aid and CPR for the Professional Rescuer
  - b. KINE 232 Introduction to Athletic Training
4. The following valid certifications (or their equivalents):
  - a. Standard First Aid and Safety - American Red Cross
  - b. CPR for the Professional Rescuer - American Red Cross
5. Completed a minimum of 50 voluntary observational clinical hours under the direct supervision of a Clinical Instructor within the Athletic Training Education Program at Saginaw Valley State University. These hours need to be recorded on the appropriate form, which will be provided. Transfer students may complete documented observational clinical hours under the direct supervision of a certified athletic trainer at the institution from which they are transferring. These hours must be completed under the direct supervision of a Board of Certification certified instructor.
6. Received a positive observation evaluation score from the supervising Board of Certification certified athletic trainer. This evaluation will reflect the student's performance in the clinical setting, potential as an athletic training student, and the student's potential to become a professional in the athletic training field.
7. Submitted two letters of recommendation. Students may pick up the Letter of Recommendation forms from the curriculum coordinator of the Athletic Training Education Program.

### **Standards for Retention in the Athletic Training Education Program**

Students will be retained within the SVSU Athletic Training Education Program providing the following criteria are maintained throughout the student's undergraduate experience:

1. Receive a grade of "C" or better in all major courses within the Athletic Training major and maintain a cumulative GPA of at least 2.75.
2. Receive written clinical evaluations that reflect positive advancement in the Athletic Training Education Program. The Clinical Instructors of the Athletic Training Education Program will complete evaluations at the end of each semester.
3. Maintain personal liability insurance in order to participate in clinical experiences.
4. Demonstrate professional and ethical behavior as members in the Athletic Training Education Program.
5. Abide by all policies and procedures as outlined in the Athletic Training Student Handbook of the Athletic Training Education Program at SVSU.

NOTE: A student failing to fulfill any of the above requirements will be removed from the clinical portion of the Athletic Training Education Program until the deficiency is satisfactorily remedied. The faculty and staff reserve the right to dismiss students from the program when the student fails to comply with the outlined requirements.

### **Athletic Training Clinical Education Experience**

All athletic training students will have the opportunity to participate in upper extremity intensive, lower extremity intensive, equipment intensive, and general medical clinical education experiences. Athletic training students may also have the opportunity to participate in clinical education experiences at off-campus sites. All athletic training students who participate in clinical education experiences off campus must provide their own transportation to each clinical site as well as meet additional requirements as established at each off-campus site.

### **Eligibility for Certification**

Certifying athletic trainers ensures high standards of professional practice. Certification by the National Athletic Trainers' Association Board of Certification (NATABOC) is considered the entry-level credential and is required by most employers nationwide. Students in the Athletic Training Education Program at Saginaw Valley State University will become eligible to sit for the NATABOC certification examination if they complete all of the athletic training major requirements and university requirements for graduation.

In addition to certification, athletic trainers may have to meet individual state licensing and regulation requirements. To determine if these added requirements apply, athletic trainers must check with the states in which they practice.

### **Major Required Courses: (65 credits)**

- BIOL111A Principles of Biology (4 cr)
- BIOL 231 Physiological Anatomy (4 cr)
- BIOL 236 Human Nutrition (3 cr)
- BIOL 462 Comparative Physiology and Anatomy (4 cr)
- CHEM 111 General Chemistry (4 cr)
- CHEM 111L General Chemistry Laboratory (1 cr)
- KINE 120 First Aid and CPR for the Professional Rescuer (2 cr)
- KINE 232 Introduction to Athletic Training (3 cr)
- KINE 244 Athletic Training Practicum I (1 cr)
- KINE 246 Athletic Training Practicum II (1 cr)
- KINE 330 Athletic Injury and Illness Assessment I (3 cr)
- KINE 332 Athletic Injury and Illness Assessment II (3 cr)
- KINE 334 Therapeutic Modalities in Athletic Training (3 cr)
- KINE 336 Administration of Athletic Training Programs (3 cr)

KINE 338 Health Conditions and Drugs (3 cr)  
KINE 344 Athletic Training Practicum III (1 cr)  
KINE 346 Athletic Training Practicum IV (1 cr)  
KINE 374 Kinesiology/Biomechanics (2 cr)  
KINE 374L Kinesiology/Biomechanics Laboratory (1 cr)  
KINE 376 Exercise Physiology (2 cr)  
KINE 376L Exercise Physiology Laboratory (1 cr)  
KINE 434 Therapeutic Exercise (3 cr)  
KINE 444 Athletic Training Practicum V (1 cr)  
KINE 446 Athletic Training Practicum VI (1 cr)  
KINE 452 Strength & Conditioning Program Design (3 cr)  
PHIL 205B[CI] Professional Ethics: Health Care (3 cr)  
PSYC 100 General Psychology (4 cr)

## **Exercise Science Major (B.S.)**

A minor is required

Exercise Science is the scientific study of exercise and sport. As a discipline, exercise science is heavily rooted in the physical and life sciences including chemistry, biology, and physics. The field of exercise science involves the study of physical activity and the impact it has on health, fitness, and athletics. Exercise science graduates can choose from careers in university research and teaching facilities, sports medicine clinics, hospital and cardiac rehabilitation centers, public health organizations, corporate fitness centers, health and community fitness clubs, personal training, and athletic coaching.

Students seeking professional employment in athletics, club, community, corporate, or clinical health/fitness settings as well as preparation for graduate education in exercise science would take this major. Program and course competencies are designed to meet American College of Sports Medicine (ACSM) and National Strength and Conditioning Association (NSCS) outcomes.

### **Major Required Courses: (53 credits)**

BIOL 111A Principles of Biology (4 cr)  
BIOL 231 Physiological Anatomy (4 cr)  
BIOL 236 Human Nutrition (3 cr)  
One course in Chemistry from  
    CHEM 101 Introductory Chemistry (4 cr)  
    CHEM 102A Chemistry and Society (3 cr)  
    CHEM 102B Concepts of Matter (4 cr)  
    CHEM 111/CHEM 111L General Chemistry Lecture I (4 cr) & General Chemistry I Lab (1 cr)  
One course in Physics from  
    PHYS 107 Our Physical World (4 cr)  
    PHYS 111 General Physics I (4 cr)  
    PHYS 211 Analytical Physics I (4 cr)  
KINE 120 First Aid and CPR for the Professional Rescuer (2 cr)  
KINE 232 Introduction to Athletic Training (3 cr)  
KINE 252 Professional Orientation to Exercise Science (1 cr)  
KINE 270 Activity and Fitness Assessment (2 cr)  
KINE 352 Health/Fitness Programming for Apparently Healthy Populations (3 cr)  
KINE 354 Health/Fitness Programming for Special Populations (3 cr)  
KINE 356 Health/Fitness Program Administration (3 cr)

KINE 364 Exercise Science Practicum I (1 cr)  
KINE 366 Exercise Science Practicum II (1 cr)  
KINE 374 Kinesiology/Biomechanics (2 cr)  
KINE 374L Kinesiology/Biomechanics Laboratory (1 cr)  
KINE 376 Physiology of Exercise (2 cr)  
KINE 376L Physiology of Exercise Laboratory (1 cr)  
KINE 434 Therapeutic Exercise (3 cr)  
KINE 452 Strength and Conditioning Program Design (3 cr)  
KINE 464 Exercise Science Practicum III (1 cr)  
KINE 466 Exercise Science Practicum IV (1 cr)  
KINE 468 Internship in Exercise Science (3 cr)

### **Physical Education Teacher Education, K-12 Major (B.A.)**

A minor is required. Students must be admitted to the secondary teacher education program, complete an approved minor, and all Secondary Education Professional Studies requirements. Students are strongly encouraged to meet with an advisor in the Department of Kinesiology as well as the Teacher Education Certification office in the sophomore year to plan this additional course of study.

#### **Major Required Courses (57 credits)**

BIOL 111A Principles of Biology (4 cr)  
BIOL 231 Physiological Anatomy (4 cr)  
KINE 100 Exploring Teaching Physical Education (1 cr)  
KINE 120 First Aid and CPR for the Professional Rescuer (2 cr)  
KINE 270 Activity and Fitness Assessment (2 cr)  
KINE 272 Fitness and Movement Fundamentals (2 cr)  
KINE 274 Dance and Rhythms (2 cr)  
KINE 276 Individual Sports and Leisure Activities (2 cr)  
KINE 278 Team Sports and Games (2 cr)  
KINE 280 Water Safety Instructor (2 cr)  
KINE 282 Adapted Physical Education (3 cr)  
KINE 284 Foundations of Physical Education (3 cr)  
KINE 286 Organization and Administration of Physical Education (3 cr)  
KINE 370 Humanistic Concerns in Physical Education (3 cr)  
KINE 372 Motor Learning and Development (3 cr)  
KINE 374 Kinesiology/Biomechanics (2 cr)  
KINE 374L Kinesiology/Biolmechanics Laboratory (1 cr)  
KINE 376 Exercise Physiology (2 cr)  
KINE 376L Exercise Physiology Laboratory (1 cr)  
KINE 476 Tests and Measurements in Physical Education (3 cr)  
KINE 478 Curriculum and Instruction in Physical Education (3 cr)  
KINE 486 Materials and Methods of Teaching Physical Education: 7-12 (3 cr)  
PHE 125 Beginning Swimming (1 cr)  
TE 326 Methods of Teaching Physical Education: K-8 (3 cr)

#### **Pre-Professional Studies (5 credits required)**

PSYC 100 General Psychology (4 cr)  
KINE 100 Exploring Teaching Physical Education (1 cr)

## **Secondary Education Professional Studies (21 credits required)**

### **Methodology (15 credits required)**

TEMS 302 and EDL 305 are prerequisites for TEMS 308 and TEMS 312.

EDL 300 Foundations of Education: K-12 (3 cr)

TEMS 302 General Methods for Teaching in the Secondary and Middle Schools (3 cr)

EDL 305 Computer Applications in the Secondary and Middle Schools (3 cr)

TEMS 308 Advanced Methods for Teaching in the Secondary and Middle Schools (3 cr)

TEMS 312 Teaching Reading in the Content Areas of Secondary and Middle Schools (3 cr)

### **Support Courses (6 credits required)**

PSYC 315 Adolescent Psychology (3 cr)

PSYC 317 Educational Psychology (3 cr)

### **Student Teaching (12 credits required)**

TEMS 412 Seminar in Secondary Student Teaching (2 cr)

TEMS 422 Secondary Student Teaching (10 cr)

### **Minors**

The Department of Kinesiology offers two academic minors:

### **Athletic Coaching Minor (18 credits required)**

This minor is open to any SVSU major and is intended to help prepare students generally to coach sport in the community. This minor meets the NASPE Level III National Athletic Coaching Standards. Secondary education and Physical Education Teacher Education, K-12 majors can take this as a second minor; however, it will not meet the content minor requirement for teacher endorsement. This minor is not recommended for Physical Education Teacher Education majors as it is a duplication of content.

### **Required Minor Courses**

KINE 120 First Aid and CPR for the Professional Rescuer (2 cr)

KINE 232 Introduction to Athletic Training (3 cr)

KINE 260 Officiating Sports (1 cr)

KINE 360 Scientific Principles of Athletic Coaching (3 cr)

KINE 362 Athletic Coaching Theories and Practices (3 cr)

KINE 372 Motor Learning and Development (3 cr)

KINE 460 Athletic Coaching Internship (3 cr)

### **Physical Education/Teacher Education, Grades 7-12 Minor (20 credits required)**

Approved for secondary education majors (students receive secondary endorsement by the state of Michigan to teach physical education). Physical Education Teacher Education, K-12 majors may not take this minor. Certified teachers seeking an additional endorsement in Physical Education should consult with a SVSU certification officer regarding this minor. It is possible for any student to complete this minor in 3 consecutive spring semesters taking 8 credits as regularly offered (see advisor for schedule).

## **Required Minor Courses (20 credits)**

KINE 120 First Aid and CPR for the Professional Rescuer (2 cr)  
KINE 274 Dance and Rhythms (2 cr)  
KINE 276 Individual Sports and Leisure Activities (2 cr)  
KINE 278 Team Sports and Games (2 cr)  
KINE 282 Adapted Physical Education (3 cr)  
KINE 284 Foundations of Physical Education (3 cr)  
KINE 476 Tests and Measurements in Physical Education (3 cr)  
KINE 486 Materials and Methods of Teaching Physical Education: 7-12 (3 cr)

## **Endorsement Area:**

### **Adapted Physical Education Endorsement**

This program represents an extended training for either Special Education Majors or Physical Education Majors for teaching Physical Education to Students with Disabilities in the State of Michigan. Students interested in this approval should consult with a faculty member in the special education or Kinesiology department. After program completion, individuals may assume any or all of the following roles: direct service provider (hands-on teaching); consultant for physical education and special education staff providing educational instruction for individuals with disabilities; Individual Education Plan (IEP) Committee member who helps develop the IEP in the psychomotor domain; inservice educator, providing training for people who will provide physical education instruction for individuals with disabilities; student and parent advocate; program coordinator who develops curricular materials, develops intra and inter-agency collaboratives to meet the needs of individuals with disabilities, and monitors progress on IEP's. This program meets all State of Michigan Physical Education for Students with Disabilities endorsement requirements. Further, completion of the program meets the Adapted Physical Education National Standard requirements preparing candidates for the Adapted Physical Education National Standards (APENS) examination.

## **Required Courses (16 credits)**

KINE 282 Adapted Physical Education (3 cr)  
KINE 372 Motor Learning and Development (3 cr)  
KINE 430 Field Experiences with Students with Special Needs (4 cr)  
KINE 570 Adapted Aquatics Instructor (3 cr)  
KINE 580 Assessment & Program Planning with Students with Special Needs (3 cr)

## **Required Elective (3 credits)**

TE 430 Introduction to Special Education (3 cr)  
TE 547 Exceptional Children in General Education Settings (3 cr)

# Crystal M. Lange College of Nursing and Health Sciences

Janalou Blecke, Dean

## Nursing

### Department Faculty

Judith Apgar, Sachiko Claus, Sally Decker, Margaret Flatt, Mary Graiver, Bonnie Harmer, Lori House-Hewitt, Jamie Huffman, Rose Lange, Ava Lewis, Elizabeth Roe, Suzanne Savoy, Marcia Shannon, Debra Wagner

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

In accordance with the philosophy of Saginaw Valley State University, the nursing faculty believes the Department of Nursing has the responsibility to foster intellectual and maturational growth of the student as a person, as a productive citizen and as a potential member of the nursing profession. The curriculum coordinates a program of professional nursing with courses in the natural and behavioral sciences and general education, thereby providing the framework to meet student learning needs. This is an interdisciplinary major, no minor is required.

### Purposes

The primary purposes of the undergraduate curriculum of the Department of Nursing are to:

1. Support students in gaining a general education.
2. Prepare students as beginning practitioners of professional nursing who can care for well and ill clients of all ages in a variety of health care environments.
3. Offer an educational base that fosters personal and intellectual growth.
4. Offer a fundamental base of education that makes students eligible to write the State Board of Nursing Licensure Examination to practice as registered nurses.
5. Offer students potential eligibility for graduate study through provision of a sound theoretical and clinical practice foundation.

### Basic Nursing Program

#### Degree Requirements

In order to achieve the above purposes, the Department of Nursing offers an interdisciplinary major of which a minimum of 57 credits are from nursing courses (NURS). The credits of the major contribute to the 124 credits required for graduation. The remaining credits are fulfilled by courses from general education, natural and behavioral sciences and electives.

Credit by examination is available for selected non-nursing requirements. Transfer credit in nursing and/or waiver of requirements are considered on an individual basis by the department.

#### Admission Process for Basic Students

Students should apply to the Department of Nursing when they anticipate completion of prenursing courses prior to the fall or winter selection. Students admitted to the Department of Nursing will be chosen by a selec-

tion committee using current selection criteria. Applications are due Oct 15 for winter selection or April 20 for fall selection. All prenursing courses will be completed or in progress during the application process with the exception of either statistics or microbiology. Either, but not both, may be taken concurrently with the HS courses during the student's first semester after admission. All prenursing courses in progress during the application process must be successfully completed, meeting minimum GPA and all other selection criteria, prior to enrollment in nursing courses. Selection criteria include:

### **Eligibility**

Eligibility will be based upon grade point average. To be eligible for consideration, a student must have a minimum 2.50 cumulative SVSU GPA and a 2.50 required math/science GPA (in computation of this GPA, retake grades will be calculated).

### **Selection**

Application to the program and admission into NURS courses.

1. Eligible students will be interviewed and will complete a writing sample. Scores from the interview and writing sample will be calculated as part of the ranking for selection.
2. For ranking in the selection process, calculation of the math/science GPA will be done using only one repeat grade.
3. Other considerations for selection include:
  - a. Number of credits successfully completed at SVSU
  - b. Representation of the population base

## **Program for Basic Nursing Students**

### **Freshman Admission**

A limited number of students will be accepted each year as freshmen. To be eligible for freshman admission, students must have a high school GPA of 3.5, an ACT score of 26, and be recommended on interview. These students will automatically begin the nursing courses upon completion of prerequisite courses if they maintain a 3.0 GPA. Students will be considered with the regular applicant pool if they do not maintain this GPA. Students need to submit a plan of study with the Dean's office.

### **Prenursing Courses (completed or in progress during the application process)**

Available from the Dean's office are recommendations regarding General Education and course sequencing.

Category 3: One statistics course\* from

MATH 132A General Statistics (4 cr)

MATH 132B Biostatistics (4 cr)

PSYC 299 Statistics (4 cr)

PS 225[CI] Statistics (4 cr)

Category 4

BIOL 111A Principles of Biology (4 cr)

CHEM 111 General Chemistry Lecture I (4 cr)

CHEM 111L General Chemistry Lab I (1 cr)

Category 6: Any course from the category

Category 9: One course from

COMM 105A Fundamentals of Communication (3 cr)

COMM 105B Public Speaking (3 cr)

COMM 105C Argumentation (3 cr)

Category 10: Any course from the category

BIOL 231 Physiological Anatomy (4 cr)

BIOL 237\* Introduction to Microbiology (4 cr)

\*Either Statistics or Microbiology (not both) may be taken with the HS courses during the first semester after admission.

### **Major Required Courses (61-63 credits)**

HS 260 Pharmacology (3cr)

HS 262 Adaptation Across the Lifespan (3 cr)

NURS 270 Core Phenomena and Nursing Interventions (4 cr)

NURS 272 Critical Thinking and Communication I (3 cr)

NURS 274 Nursing Practicum I (5 cr)

NURS 360 Human Experience of Health Phenomena and Nursing Interventions (3 cr)

NURS 362 Critical Thinking and Communication in Nursing II (4 cr)

NURS 364 Nursing Practicum II (5 cr)

NURS 370 Family Health Phenomena and Nursing Interventions (3 cr)

NURS 372 Health of Populations I (3 cr)

NURS 374 Nursing Practicum III (5 cr)

NURS 460 Community Health Phenomena and Nursing Interventions (3 cr)

NURS 462 Health of Populations II (3 cr)

NURS 464 Nursing Practicum IV (4-5 cr)

NURS 480 Professional Role Development (3 cr)

NURS 482 Professional (3 cr)

NURS 484 Nursing Practicum V (4-5 cr)

### **Required Electives (minimum of 4 credits)**

Two upper division, non-required courses

### **Eligibility for Nursing Licensure**

Students should be aware that the State Board of Nursing reviews the records of all graduates who have completed a nursing program to determine eligibility to write the State Board of Nursing Licensure Examinations for Registered Nurses. The State Board of Nursing retains the right to deny a graduate permission to write the licensure examinations if the individual has been convicted of a felony.

## **Programs for Licensed RN Students**

### **Registered Nurse (RN) Students**

The registered nurse student is one who has graduated from a state approved school of nursing and holds a current license to practice in the state of Michigan.

### **Degree Requirements**

To complete the degree requirements, an RN student must earn a minimum of 24 credits from nursing courses (NURS); 124 credits are required for graduation, of which 31 must be from SVSU. The 124 credits include: the 24 NURS credits, 31 credits awarded based on articulation criteria, prerequisite credits, transfer credits, Basic Skills credits, General Education credits, and elective credits.

## **Admission Process for RN Students**

Admission to the Department of Nursing for RN students ordinarily occurs during the semester in which they are completing NURS 300.

Minimum eligibility criteria for admission to the program include:

1. Michigan RN license.
2. Minimum cumulative GPA of 2.50.
3. An approved plan of study, which includes student's goals and individualized plan for program completion. Transfer credits are considered in this process.

RN to BSN students may enroll in NURS 300 prior to approval of the plan of study.

## **RN to BSN Program**

### **Prerequisite Course (4 credits)**

One course from

- MATH 132A General Statistics (4 cr)
- MATH 132B Biostatistics (4 cr)
- PSYC 299 Statistics (4 cr)
- PS 225[CI] Statistics (4 cr)
- or equivalent statistics course

### **Nursing Courses (24 credits required)**

- NURS 300 Transition (4 cr) [strongly recommended as the first course in which to enroll upon admission to SVSU]
- NURS 362 Critical Thinking and Communication in Nursing II (4 cr)
- NURS 463 Family and Community Health Phenomena and Nursing Interventions (4 cr)
- NURS 466 RN Practicum I (4 cr)
- NURS 483 Integration of Professional Role and Issues (4 cr)
- NURS 486 RN Practicum II (4 cr)

### **Required Elective Courses (minimum of 4 credits)**

Two upper division, non-required courses

**RN to MSN Program:** see Graduate Catalog

## **General Information for Basic and Licensed Registered Nurse Students**

### **Progression and Retention Policies**

Nursing courses ordinarily are offered fall and winter semesters and the full-time nursing students are expected to attend these two semesters. Part-time study is available with the approval of the department.

Nursing courses must be taken in sequence as specified unless approved by the faculty. Each June, part-time and RN students are to file a plan of study with the department, indicating which courses they plan to take the following academic year. Failure to file a plan of study may result in exclusion from practicum courses.

Nursing students may elect to complete other graduation requirements during spring and summer semesters. Progression into any nursing course at any level cannot take place if a student has a grade of “I” in any prerequisite course. A grade of “C” or better is required for each nursing course to permit student progression. A student who earns an unacceptable grade (less than “C”) in one course must apply to the Department of Nursing for readmission and satisfactorily repeat the course in order to progress in the nursing major. The student may repeat a nursing course only once and no more than one nursing course may be repeated. If the student fails a second nursing course, he/she will not be allowed to progress.

### **Withdrawal and Readmission**

Students choosing to withdraw from the Department of Nursing must notify the dean in writing. If such students withdraw while in good standing, they may be readmitted once.

### **Additional Requirements for All Students**

All students are required to have a complete physical examination upon admission to the Department of Nursing. Various types of diagnostic assessment and preventative health measures may be required before beginning the first practicum course.

Professional liability insurance is provided through the University for basic nursing students. A fee for this coverage may be added to the charge for practicum courses.

Registered Nurse students must show evidence of professional liability insurance, beginning with the first practicum course, and must maintain coverage throughout the program.

Students must show evidence of completion of an approved cardiopulmonary resuscitation (CPR) course for the professional rescuer and are required to maintain certification throughout the program. CPR courses are available through the Michigan Heart Association and Red Cross.

### **Suspension and Dismissal for Other Than Academic Reasons**

All students are required to maintain high health and safe practice standards while enrolled in the Department of Nursing. The faculty reserves the right to dismiss students from practicum areas on a daily basis when they are too ill or unprepared to benefit from the experience.

Students with physical and/or psychological difficulty may be required to seek the care of a qualified health professional. Dependent upon the individual situation, the student may be placed on probation until an appropriate health professional affirms that the student’s health is satisfactory for progression in nursing.

### **Transportation**

The student is responsible for providing transportation to and from all courses and/or practicum learning experiences. When making practicum assignments, priority is given to selecting meaningful learning activities; therefore, practicum assignments may occur in a variety of geographical locations.

### **University Requirements for Graduation**

Degree requirements stipulated in the SVSU Catalog apply to students in the Nursing program

# Health Sciences

## Department Faculty

Faculty are from multiple disciplines.

## Health Science Major (B.S.)

This interdisciplinary major provides preparation for students interested in a career in the health field. Students seeking preparation in nursing, occupational therapy, or medical technology can major in those clinical practice professions at SVSU. The Health Science degree is designed to meet the needs of students with one or more of the following characteristics:

1. Students planning to enter the SVSU M.S.O.T. program.
2. Students who are graduates of associate degree health technician/assistant programs.
3. Students employed in health or human services, and seeking a related bachelor's degree.
4. Students interested in a health or human services career, but uncertain about options.
5. Students leaving one health or human services career option, and looking for another.
6. Students interested in a career in aging services.

Core courses and Health electives provide a sound foundation in health and human services, with additional electives and minors providing an opportunity to meet individualized learning needs based on career goals.

## Objectives

Graduates of this program will acquire knowledge and skill in:

1. Negotiating the U.S. health and human services systems.
2. Advocating for improvement of health and human services
3. Ethical and professional standards of practice in health and human services professions.
4. Research utilization in health and human services.
5. Content areas specific to health and human services career goals.

## Degree Requirements

Credits required for a major in Health Science are 12 credits from Core Courses and 20 credits from Electives. A minor is required unless the student chooses to take 18 additional credits from Electives. Students are advised to consider their career goals when selecting general education, major, and minor courses.

## General Education and Core Courses

### Required Category Courses

Category 3: One statistics course\* from

MATH 132A General Statistics (4 cr)

MATH 132B Biostatistics (4 cr)

PSYC 299 Statistics (4 cr)

PS 225[CI] Statistics (4 cr)

Category 9: One course from

COMM 105A Fundamentals of Communication (3 cr)

COMM 105B Public Speaking (3 cr)

COMM 105C Argumentation (3 cr)

Category 10: Any course from the category

**Recommended Category Courses**, especially for students considering a career in a clinical practice profession.

Category 4:

BIOL 111A Principles of Biology (4 cr)

CHEM 111 General Chemistry Lecture I (4 cr)

CHEM 111L General Chemistry Lab I (1 cr)

PHYS 111 General Physics I (4 cr)

PHYS 111L General Physics I Lab (1 cr)

Category 6: Any course from the category

Category 7: SOC 111 Introduction to Sociology (3 cr)

### **Health Science Core (12 credits required)**

PHIL 208B[CI] Professional Ethics: Health Care (3 cr)

HS 240 The U.S. Health Care System (3 cr)

HS 460 Health Research (3 cr)

3 credits of field experience in health or human services from

HS 496 Field Experience in Health or Human Services (3 cr)

PSYC 483 Field Placement (3 cr) [must be pre-approved]

SW 496 Field Placement in Gerontology (3 cr)

### **Electives (20 credits from the following categories, at least 10 credits at 300-400 level)**

#### **Health (9 credits required)**

HS 220 Information Management in Health Care (3 cr)

HS 260 Pharmacology (3 cr)

HS 262 Adaptation Across the Lifespan (3 cr)

HS 301 Medical Technology Seminar (1 cr)

HS 470 International Health Care (4 cr)

HS 490 Special Topics [topics must be pre-approved] (1-4 cr)

KINE 120 First Aid and CPR for the Professional Rescuer (2 cr)

KINE 122 Personal Health (3 cr)

KINE 222 Community Health Concerns (3 cr)

PSYC 372 Abnormal Psychology (4 cr)

PSYC 470 Health Psychology (3 cr)

SOC 308 Sociology of Mental Health (3 cr)

SPAN 336 Spanish for the Professions (3 cr)

#### **Gerontology**

All Health Science majors are encouraged to choose at least one course from this section. A minor in gerontology is available to Health Science majors who earn 15 credits from this category in at least 4 disciplines and 3 credits of field experience in aging services. Credits taken for the gerontology minor cannot also be used toward the 20-credit Elective requirement for the Health Science major.

HS 310 Healthy Aging (3 cr)

HS 320 Chronic Illness and Long-Term Care (3 cr)

HS 330 Death and Dying (3 cr)

PSYC 410 Seminar in Life Span Human Development (4 cr)  
PSYC 346 Neuropsychology (4 cr)  
SW 304 Introduction to Gerontology (3 cr)  
SW 347 Social Work with the Aging (3 cr)  
SOC 305 Sociology of Aging (3 cr)  
SOC 315 Cross-Cultural Aging (3 cr)  
3 credits of field experience in health or human services from  
    HS 496 Field Experience in Health or Human Services (3 cr)  
    PSYC 483 Field Placement ( 3 cr) [must be pre-approved]  
    SW 496 Field Placement in Gerontology (3 cr)

## **Health Professions**

BIOL 231 Physiological Anatomy (4 cr)  
BIOL 237 Introduction to Microbiology (4 cr)  
KINE 372 Motor Learning and Development (3 cr)  
KINE 374/374L Kinesiology Lecture and Lab (3 cr)  
KINE 376/376L Physiology of Exercise Lecture and Lab (3 cr)  
NURS 101 Nursing Connections for the Future (1 cr)  
OT 302 Foundations of Occupational Therapy (3 cr)  
OT 304 Therapeutic Occupation (3 cr)  
OT 413 Developmental Structure and Neurological Conditions (3 cr)  
OT 423 Developmental Structure and Orthopedic Conditions (3 cr)  
OT 433 Developmental Structure Across the Lifespan (3 cr)  
OT 443 Developmental Structure and Psychosocial Conditions (3 cr)  
PSYC 210 Applications of Human Development (4 cr)  
SW 313 Social Work and Health Care (3 cr)  
SOC 307 Sociology of Medicine (3 cr)

## **Minors**

### **Health Science (18 credits required)**

A minor in Health Science is available by completing the Health Science Core (12 cr) and 6 additional credits from Health Science Electives.

### **Gerontology (18 credits required)**

Required Electives (15 credits from 4 departments)

    HS 310 Healthy Aging (3 cr)  
    HS 320 Chronic Illness and Long-Term Care (3 cr)  
    HS 330 Death and Dying (3 cr)  
    PSYC 410 Seminar in Life Span Human Development (4 cr)  
    PSYC 346 Neuropsychology (4 cr)  
    SW 304 Introduction to Gerontology (3 cr)  
    SW 347 Social Work with the Aging (3 cr)  
    SOC 305 Sociology of Aging (3 cr)  
    SOC 315 Cross-Cultural Aging (3 cr)

Field experience in health or human services (3 credits required)

    HS 496 Field Experience in Health or Human Services (3 cr)

## **Medical Technology Program**

### **Department Faculty**

Gary M. Lange

The program prepares students for a professional career in clinical laboratory sciences. Medical technologists work in clinical settings to perform a variety of routine and specialized laboratory tests. Physicians use test results to base their decision for the diagnosis of disease and formulate treatment plans. Often medical technologists will supervise the work of medical laboratory technicians and laboratory assistants.

The Bachelor of Science degree in Medical Technology requires completion of the four-year medical technology program. However, in order to become certified as a medical technologist, an approved internship training program in an approved hospital is required. Currently, there is a state-wide matching program for internships in the State of Michigan.

### **The Nature of Study in Medical Technology**

In accordance with the philosophy of Saginaw Valley State University, the faculty believes the goal within the Medical Technology Program is to foster intellectual and maturational growth of the student as a person, as a productive citizen and as a potential member of the medical community. The curriculum coordinates a program of content-rich courses in the natural sciences and general education, thereby providing the framework to meet student learning needs.

### **Purposes**

The purposes of the curriculum of the Medical Technology Program are to:

1. Support students in gaining general education.
2. Prepare students with rich and detailed content knowledge of information relevant to life sciences with an emphasis on health issues.
3. Offer an educational base that fosters personal and intellectual growth.
4. Offer the framework of science education to make students eligible to successfully apply for post-graduate internships in Medical Technology.
5. Offer students potential eligibility for graduate study in a variety of medical and/or life science disciplines.

### **Selection Criteria and Processes for Students**

Students admitted to the Medical Technology Program will be chosen by a selection committee using current selection criteria/ Students should apply to the Medical Technology Program during the semester they are completing the prerequisite course requirements and prior to October 15 or April 20. Selection criteria will include:

1. A minimum 3.00 cumulative SVSU GPA with a minimum 3.00 GPA in the required science courses. When computing GPA, the repeat of only two prerequisite courses is considered.
2. Completion of all courses required for admission.
3. Completion of Basic Skills requirements.
4. Positive review of a writing sample.

Other considerations for admission will include:

1. Number of credit hours successfully completed at SVSU.
2. Representation of the population base.

The selection of students will be made by a committee composed of the Dean of the College of Nursing and Health Sciences, the Director of the Medical Technology Program, the Registrar and faculty members. Applicants will be notified in writing of their admission status as soon as possible after the selection process is completed

### **Required Prerequisite Courses for Admission (23 credits)**

BIOL 111A Principles of Biology (4 cr)  
BIOL 111B Principles of Zoology (3 cr)  
BIOL 111C Principles of Botany (3 cr)  
CHEM 111 General Chemistry Lecture I (4 cr)  
CHEM 111L General Chemistry Laboratory I (1 cr)  
CHEM 112 General Chemistry Lecture II (4 cr)  
CHEM 112L General Chemistry Laboratory II (1 cr)  
ENGL 111 Composition I (3 cr)

### **Medical Technology Major (B.S.)**

An interdisciplinary major. No minor required.

### **Major Required Courses (64 credits required)**

HS 301 Medical Technology Seminar (1 cr)  
BIOL 231 Physiological Anatomy (4 cr)  
BIOL 360 Cell Biology (4 cr)  
BIOL 431 Microbiology (4 cr)  
BIOL 437 Immunology and Hematology (4 cr)  
CHEM 230 Organic Chemistry Lecture I (4 cr)  
CHEM 231 Organic Chemistry Laboratory I (1 cr)  
CHEM 313 Analytical Chemistry I (3 cr)  
CHEM 330 Organic Chemistry Lecture II (4 cr)  
CHEM 331 Organic Chemistry Laboratory II (1 cr)  
CHEM 412 Biochemistry (3 cr)  
CHEM 413 Biochemistry Laboratory (1 cr)  
CS 160 Microcomputer Software (3 cr)  
One course from  
    ENGL 300 Writing in the Professions (3 cr)  
    ENGL 304 Technical Report Writing (3 cr)  
MATH 132B Biostatistics (4 cr)  
MATH 161 Calculus with Analytic Geometry I (4 cr)  
MGT 323 Human Resource Management (3 cr)  
PHIL 205B [CI] Professional Ethics: Health Care (3 cr)  
One two-course sequence in Physics from  
    PHYS 111 General Physics I (4 cr)  
    PHYS 111L General Physics Laboratory I (1 cr)  
    PHYS 112 General Physics II (4 cr)  
    PHYS 112L General Physics Laboratory II (1cr)

or

PHYS 211 Analytical Physics I (4 cr)

PHYS 211L Introductory Physics Laboratory I (1 cr)

PHYS 212 Analytical Physics II (4 cr)

PHYS 212L Introductory Physics Laboratory II (1 cr)

### **Required Electives (6 or more additional 300–400 level credits from the list below)**

BIOL 350 Genetics (4 cr)

BIOL 370 Developmental Biology (4 cr)

BIOL 442 Molecular Biology (4 cr)

BIOL 461 Endocrinology (3 cr)

BIOL 461L Endocrinology Laboratory (2 cr)

BIOL 472 Parasitology (3 cr)

CHEM 370 Clinical Analytical Chemistry (4 cr)

A medical technology minor is not available.

### **Application for Admission to Hospital Internship**

Obtaining hospital internship training is a competitive process. To increase the likelihood of acceptance into an internship program, students are strongly recommended to maintain a GPA of 3.30 or better.

Prior to applying for medical technology internship training (which occurs at the start of the student's senior year), students are encouraged to consult with the program director concerning the application procedure and submission of necessary documents.

## **Occupational Therapy**

### **Department Faculty**

Donald Earley, Janet Nagayda

### **Overview**

The education program in occupational therapy, leading to an entry-level Master of Science in Occupational degree (M.S.O.T.), has both undergraduate and graduate components. Occupational therapy is a health and rehabilitation profession that provides services to individuals across the life-span whose abilities to cope with tasks of living are impaired by physical injury or illness, the aging process, psychological and social disability, or developmental disabilities. The goal of occupational therapy is to assist individuals to achieve a maximum level of independent living by developing and enhancing the capacities that remain after disease, accident, deformity or disability, and/or through adapting the individual's environment.

The Occupational Therapy Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. AOTA's phone number is (301) 652-AOTA. Students successfully completing all requirements for both the undergraduate and graduate portions of the occupational therapy program (including all fieldwork) leading to the Master of Science Degree in Occupational Therapy, will be eligible to sit for the National Certification Examination for Occupational Therapy administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam,

the individual will be an Occupational Therapist, Registered (OTR). Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination.

## **Pre-Occupational Therapy Requirements**

Preparation for admission to the M.S.O.T. program requires completion of the required general education courses and prerequisites for a minimum of 80 credit hours.

### **Required General Education Selections by Category**

Category 1: Any course from the category (3 cr)

Category 2: Any course from the category (3 cr)

Category 3: One course from

MATH 132A General Statistics (4 cr)

MATH 132B Biostatistics (4 cr)

Category 4:

BIOL 111A Principles of Biology (4 cr)

One of the following lecture/lab sequences:

PHYS 111 General Physics I (4 cr)

PHYS 111L General Physics I Lab (1 cr)

or

CHEM 111 General Chemistry I (4 cr)

CHEM 111L General Chemistry I Lab (1 cr)

Category 5: PHIL 205B[CI] Professional Ethics: Health Care (3 cr)

Category 6: PSYC 100 General Psychology (4 cr)

Category 7: SOC 111 Introduction to Sociology (3 cr)

Category 8: Any course from the category (3 cr)

Category 9: One course from

COMM 105A Fundamentals of Communication (3 cr)

COMM 105B Public Speaking (3 cr)

COMM 105C Argumentation (3 cr)

Category 10: ENGL 212 Topics in Critical Writing (3 cr)

### **Required Prerequisite Courses (42 credits)**

BIOL 231 Physiological Anatomy (4 cr)

PSYC 210 Applications in Human Development (4 cr)

PSYC 346 Neuropsychology (4 cr)

HS 220 Information Management in Health Care (3 cr)

KINE 372 Motor Learning and Development (3 cr)

KINE 374 Kinesiology/Biomechanics (2 cr)

KINE 374L Kinesiology/Biomechanics Laboratory (1 cr)

KINE 376 Physiology of Exercise (2 cr)

KINE 376L Physiology of Exercise Laboratory (1 cr)

OT 302 Foundations of Occupational Therapy (3 cr)

OT 304 Therapeutic Occupation (3 cr)

OT 413 Developmental Structure and Neurologic Conditions (3 cr)

OT 423 Developmental Structure and Orthopedic Conditions (3 cr)

OT 433 Developmental Structure Across the Lifespan (3 cr)

OT 443 Developmental Structure and Psychological Conditions (3 cr)

Following successful completion of all prerequisite classes, with a grade equivalent of no less than 2.00 in each course, and an overall GPA of no less than 3.00 (based on a 4.00 scale), students may apply for admission to the Master of Science in Occupational Therapy Program.

### **Transfer Students**

Transfer students' needs are considered on an individual basis by the Department of Occupational Therapy. Students are encouraged to contact the Director of the Occupational Therapy Program for further information prior to applying for admission.

### **Transportation and Fees**

The student is responsible for providing transportation to and from all courses and/or clinical learning experiences associated with the courses. Clinical experiences may include observation and interactive opportunities in clinical or community setting under the supervision of a registered occupational therapist or other professional. The student is also responsible for all fees related to required classroom and clinical materials.

## **College of Science, Engineering and Technology**

Ronald Williams, Dean

The College of Science, Engineering and Technology offers programs leading to the Bachelor of Science (B.S.) degree in 14 major fields. The Bachelor of Science in Electrical Engineering (B.S.E.E.) and Bachelor of Science in Mechanical Engineering (B.S.M.E.) degree programs are accredited by the Accreditation Board for Engineering and Technology (ABET). The ACS Chemistry Program is approved by the American Chemical Society.

The mission of the college is to provide high-quality education for students majoring in science, engineering and technology and to broaden the intellectual horizons of all students through coursework in the physical and life sciences. To support this mission, faculty and staff provide intellectually stimulating group and individual experiences for students in lecture classes, laboratories, student clubs, overseas study, cooperative education and faculty-student research projects.

All science, engineering and technology programs have significant "hands-on" experiences in well-equipped laboratories and computer facilities. Students have exceptional opportunities for career-related employment on campus in the Independent Testing Laboratory, in faculty-student research projects, in off-campus regional industry and in funded environmental research activities.

Due to a flexible pattern of class scheduling, students can attend class either full or part time, day or evening. Graduates have a broad range of opportunities for employment in both the public and private sectors and many continue their education through admission to graduate school. The college offers numerous scholarships from private endowments, student clubs and government agencies.

The college is particularly interested in encouraging excellence in K-12 education through numerous outreach activities of the SVSU Math-Science Center, Master of Arts in Teaching programs in biology, chemistry, mathematics, natural sciences and physics and special programs for those groups traditionally under-represented in technical education. In addition, the Master of Arts/Natural Science Teaching is offered for elementary,

middle and secondary teachers with a science, mathematics or general emphasis. Details of this program can be found in the Graduate Programs catalog.

## **Biology**

### **Department Faculty**

Plammoottil Cherian, David S. Dalgarn, Aron Drake, Gail E. Kantak, Gary M. Lange, Kathleen Pelkki, Charles F. Pelzer, Sally Shepardson, David J. Stanton, Rosalyn Sweeting, Stephen Taber, Richard J. Trdan, Bing Yang

### **Biology Major (B.S.)**

A minor is required.

#### **Required Foundation Courses (33 credits)**

CHEM 111 General Chemistry Lecture I (4 cr)  
CHEM 111L General Chemistry Lab I (1 cr)  
CHEM 112 General Chemistry Lecture II (4 cr)  
CHEM 112L General Chemistry Lab II (1 cr)  
CHEM 230 Organic Chemistry Lecture I (4 cr)  
CHEM 231 Organic Chemistry Lab I (1 cr)  
MATH 132B Biostatistics (4 cr)

One course from

MATH 140 Introductory Mathematical Analysis (4 cr)  
MATH 161 Calculus I (4 cr)

One of the following two-course sequences in Physics

PHYS 111 General Physics I (4 cr)  
PHYS 111L General Physics Lab I (1 cr)  
PHYS 112 General Physics II (4 cr)  
PHYS 112L General Physics Lab II (1 cr)

or

PHYS 211 Analytical Physics I (4 cr)  
PHYS 211L Introductory Physics Lab I (1 cr)  
PHYS 212 Analytical Physics II (4 cr)  
PHYS 212L Introductory Physics Lab II (1 cr)

#### **Major Required Courses (27 credits)**

BIOL 111A Principles of Biology (4 cr)  
BIOL 111B Principles of Zoology (3 cr)  
BIOL 111C Principles of Botany (3 cr)  
BIOL 350 Genetics (4 cr)  
BIOL 360 Cell Biology (4 cr)  
BIOL 370 Developmental Biology (4 cr)  
BIOL 380 Ecology (4 cr)  
BIOL 491 Undergraduate Seminar in Biology (1 cr)

#### **Required Electives (minimum of 12 credits at the 300-400 level)**

Additional 300-400 level credits to total a minimum of 39 credits in biology courses. BIOL 390, BIOL 490 and BIOL 499 are excluded from counting toward the required minimum of 39 credits.

Recommended Electives (The following courses are strongly recommended for students planning to attend graduate school.)

CHEM 330 Organic Chemistry Lecture II (3 cr)

CHEM 331 Organic Chemistry Lab II (2 cr)

MATH 162 Calculus II (4 cr)

### **Biology Minor (18 credits required)**

BIOL 111A Principles of Biology (4 cr)

BIOL 111B Principles of Zoology (3 cr)

BIOL 111C Principles of Botany (3 cr)

BIOL 350 Genetics (4 cr)

Additional 300-400 level course work to total 18 credits in biology. BIOL 104A, 104B, 105A, 105B, 105C, 390, 490, 491, and 499 cannot be used for the minor.

### **Biology Major for Teacher Certification (B.S.)**

This program is restricted to students seeking teaching certification in biology. A minor is required.

#### **Required Foundation Courses (43 credits)**

CHEM 111 General Chemistry Lecture I (4 cr)

CHEM 111L General Chemistry Lab (1 cr)

CHEM 112 General Chemistry Lecture II (4 cr)

CHEM 112L General Chemistry Lab II (1 cr)

CHEM 230 Organic Chemistry Lecture I (4 cr)

CHEM 231 Organic Chemistry Lab I (1 cr)

CS 160 Microcomputer Software (3 cr)

ENGL 304 Technical Report Writing (3 cr)

MATH 132B Biostatistics (4 cr)

One course from

    MATH 140 Introductory Mathematical Analysis (4 cr)

    MATH 161 Calculus I (4 cr)

PHYS 106A Earth and Space Science: Physical Geology (4 cr)

One of the following two-course sequences in Physics

    PHYS 111 General Physics I (4 cr)

    PHYS 111L General Physics Lab I (1 cr)

    PHYS 112 General Physics II (4 cr)

    PHYS 112L General Physics Lab II (1 cr)

or

    PHYS 211 Analytical Physics I (4 cr)

    PHYS 211L Introductory Physics Lab I (1 cr)

    PHYS 212 Analytical Physics II (4 cr)

    PHYS 212L Introductory Physics Lab II (1 cr)

#### **Major Required Courses (34 credits)**

BIOL 111A Principles of Biology (4 cr)  
BIOL 111B Principles of Zoology (3 cr)  
BIOL 111C Principles of Botany (3 cr)  
BIOL 350 Genetics (4 cr)  
BIOL 360 Cell Biology (4 cr)  
BIOL 370 Developmental Biology (4 cr)  
BIOL 380 Ecology (4 cr)  
BIOL 431 Microbiology (4 cr)  
BIOL 452 Evolution (3 cr)  
BIOL 491 Undergraduate Seminar in Biology (1 cr)

**Electives (One of the following is required)**

BIOL 231 Physiological Anatomy (4 cr)  
BIOL 460 Advanced Studies in Physiology (2-5 cr)  
BIOL 461 Endocrinology (3 cr)  
BIOL 464 Plant Physiology (4 cr)

**Required Education Courses**

Students must be admitted to the Teacher Education program and complete an approved minor and secondary education professional studies courses.

**Biology Minor for Teacher Certification (20 credits required)**

BIOL 111A Principles of Biology (4 cr)  
BIOL 111B Principles of Zoology (3 cr)  
BIOL 111C Principles of Botany (3 cr)  
BIOL 350 Genetics (4 cr)  
Additional 300-400 level course work to total 20 credits in biology. BIOL 104A, 104B, 105A, 105B, 105C, 390, 490, 491, and 499 cannot be used for the minor.

## **Chemistry**

**Department Faculty**

A.G. Andrewes, Andrew Chubb, George W. Eastland Jr., Steven Froelicher, David S. Karpovich, Stephen S. Lawrence, Albert C. Plaush, David H. Swenson, Thomas Tissue

The Chemistry Department offers a curriculum that is approved by the Committee on Professional Training of the American Chemical Society (ACS).

A variety of degree options are available within the department that include a major in chemistry (with optional ACS approval if desired), bio-chemistry, business chemistry, chemical physics, chemistry for teacher certification, and a Master of Arts in Teaching (with major emphasis on the academic major of chemistry). The Chemistry Department also offers a course of study with an emphasis in environmental chemistry.

A student who receives a grade lower than "C" in a chemistry course may not use that course to satisfy a prerequisite for another chemistry course.

## **Chemistry Major (B.S.)**

A minor is required.

### **Required Foundation Courses (21 credits)**

MATH 161 Calculus I (4 cr)

MATH 162 Calculus II (4 cr)

CS 160 Microcomputer Software [or equivalent] (3 cr)

One of the following two-course sequences in Physics:

PHYS 111 General Physics I (4 cr)

PHYS 111L General Physics Lab I (1 cr)

PHYS 112 General Physics II (4 cr)

PHYS 112L General Physics Lab II (1 cr)

or (required for ACS approval)

PHYS 211 Analytical Physics I (4 cr)

PHYS 211L Introductory Physics Lab I (1 cr)

PHYS 212 Analytical Physics II (4 cr)

PHYS 212L Introductory Physics Lab II (1 cr)

### **Major Required Courses (43 credits)**

CHEM 111 General Chemistry Lecture I (4 cr)

CHEM 111L General Chemistry Lab I (1 cr)

CHEM 112 General Chemistry Lecture II (4 cr)

CHEM 112L General Chemistry Lab II (1 cr)

CHEM 230 Organic Chemistry Lecture I (4 cr)

CHEM 231 Organic Chemistry Lab I (1 cr)

CHEM 330 Organic Chemistry Lecture II (3 cr)

CHEM 331 Organic Chemistry Lab II (2 cr)

CHEM 313 Analytical Chemistry I - Quantitative Analysis (4 cr)

CHEM 314 Analytical Chemistry II - Instrumental Analysis (4 cr)

CHEM 321 Physical Chemistry I (3 cr)

CHEM 321L Physical Chemistry I Lab (1 cr)

CHEM 322 Physical Chemistry II (3 cr)

CHEM 322L Physical Chemistry II Lab (1 cr)

CHEM 499 Seminar (1 cr)

One course from

CHEM 412 Biochemistry (3 cr)

CHEM 414 Inorganic Chemistry (3 cr)

Three additional credits in 400-level chemistry courses

### **Required Electives for ACS Approval**

CHEM 412 Biochemistry (3 cr)

CHEM 414 Inorganic Chemistry (3 cr)

Three additional credits in 400-level chemistry courses

MATH 261 Calculus III (4 cr)

MATH 262 Differential Equations (4 cr)

### **Recommended Electives for ACS Approval**

CHEM 413 Biochemistry Lab (1 cr)  
CHEM 414L Inorganic Synthesis (1 cr)  
One year of a modern foreign language

### **Environmental Emphasis**

In addition to the above-listed foundation and major courses, the following courses are required:

CHEM 417 Environmental Chemistry I (3 cr)  
CHEM 419 Environmental Analytical Methods (3 cr)  
CHEM 495 Research in Chemistry (3 cr) [Environmental Emphasis]

### **Chemistry Minor (18 credits required)**

CHEM 111 General Chemistry I (4 cr)  
CHEM 111L General Chemistry I Lab (1 cr)  
CHEM 112 General Chemistry II (4 cr)  
CHEM 112L General Chemistry II (1 cr)

Additional chemistry courses to total 18 credits. Course numbered below CHEM 111 cannot be used to satisfy the requirements of the minor.

### **Biochemistry Major (B.S.)**

Interdisciplinary major, no minor is required. Biology and chemistry minors may not be earned with this major.

### **Required Foundation Courses (21 credits)**

MATH 161 Calculus I (4 cr)  
MATH 162 Calculus II (4 cr)  
CS 160 Micro Computer Software [or equivalent] (3 cr)  
One of the following two-course sequences in Physics:

PHYS 111 General Physics I (4 cr)  
PHYS 111L General Physics Lab I (1 cr)  
PHYS 112 General Physics II (4 cr)  
PHYS 112L General Physics Lab II (1 cr)  
or (required for ACS approval)  
PHYS 211 Analytical Physics I (4 cr)  
PHYS 211L Introductory Physics Lab I (1 cr)  
PHYS 212 Analytical Physics II (4 cr)  
PHYS 212L Introductory Physics Lab II (1 cr)

### **Major Required Courses (61 credits)**

BIOL 111A Principles of Biology (4 cr)  
BIOL 111B Principles of Zoology (3 cr)  
BIOL 111C Principles of Botany (3 cr)  
BIOL 360 Cell Biology (4 cr)  
BIOL 431 Microbiology (4 cr)  
CHEM 111 General Chemistry Lecture I (4 cr)  
CHEM 111L General Chemistry Lab I (1 cr)  
CHEM 112 General Chemistry Lecture II (4 cr)  
CHEM 112L General Chemistry Lab II (1 cr)

CHEM 230 Organic Chemistry Lecture I (4 cr)  
CHEM 231 Organic Chemistry Lab I (1 cr)  
CHEM 330 Organic Chemistry Lecture II (3 cr)  
CHEM 331 Organic Chemistry Lab II (2 cr)  
CHEM 313 Analytical Chemistry I–Quantitative Analysis (3 cr)  
CHEM 314 Analytical Chemistry II–Instrumental Analysis (3 cr)  
CHEM 321 Physical Chemistry I (3 cr)  
CHEM 321L Physical Chemistry I Lab (1 cr)  
CHEM 322 Physical Chemistry II (3 cr)  
CHEM 322L Physical Chemistry II Lab (1 cr)  
CHEM 412 Biochemistry (3 cr)  
CHEM 413 Biochemistry Lab (1 cr)  
CHEM 420 Biochemistry II (3 cr)

One year of a Modern Foreign Language, preferably German or French; or satisfactory score on a placement exam in German, French or Russian. Other languages may be substituted with Chemistry Department approval.

A biochemistry minor is not available.

### **Business Chemistry (B.S.)**

Interdisciplinary major, no minor is required.

This program must be approved for graduation by the Dean of the College of Business and Management and the Chairperson of the Chemistry Department. General business and chemistry minors may not be earned with this major.

#### **Major Required Courses (19 credits)**

FIN 304 Financial Management (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)  
MGT 321 Organization and Administration (4 cr)  
MGT 429 Executive Strategies and Policies (3 cr)  
MKT 331 Principles of Marketing (4 cr)

#### **Required Electives (56 credits)**

30 credits in chemistry [CHEM 111 or above] with at least one 400-level course  
7 additional credits in business courses  
8 credits of physics [PHYS 111 or above]  
8 credits of mathematics [MATH 120A or above]  
CS 146 Visual Basic.NET Programming (3 cr)

A business-chemistry minor is not available.

### **Chemical Physics (B.S.)**

Interdisciplinary major, no minor is required. Chemistry and physics minors may not be earned with this major.

#### **Required Foundation Courses (7 credits)**

MATH 262 Differential Equations (4 cr)  
CS 146 Visual Basic.NET Programming (3 cr)

## **Required Electives (50 credits)**

30 credits in chemistry [CHEM 111 or above], including CHEM 321, 321L, 322, 322L and at least one 400-level course.

20 credits in physics [PHYS 200 level or above] including at least nine credits at the 300-400 level.

### Recommended Electives

Foreign language of French or German.

A chemical physics minor is not available.

## **Chemistry Major for Teacher Certification (B.S.)**

A chemistry major is available to students desiring to teach at the secondary level. An approved minor is required as well as completion of the professional development courses (refer to the College of Education section of this catalog). The certification requires the following chemistry and cognate courses.

### **Required Foundation Courses (32 credits)**

MATH 161 Calculus I (4 cr)

MATH 162 Calculus II (4 cr)

CS 146 Visual Basic.NET Programming (3 cr)

PHYS 106A Earth and Space Science: Physical Geology (4 cr)

PHYS 211 Analytical Physics I (4 cr)

PHYS 211L Introductory Physics Lab I (1 cr)

PHYS 212 Analytical Physics II (4 cr)

PHYS 212L Introductory Physics Lab II (1 cr)

BIOL 111A Principles of Biology (4 cr)

One course from

BIOL 111B Principles of Zoology (3 cr)

BIOL 111C Principles of Botany (3 cr)

### **Major Required Courses (40 credits)**

CHEM 111 General Chemistry Lecture I (4 cr)

CHEM 111L General Chemistry Lab I (1 cr)

CHEM 112 General Chemistry Lecture II (4 cr)

CHEM 112L General Chemistry Lab II (1 cr)

CHEM 230 Organic Chemistry Lecture I (4 cr)

CHEM 231 Organic Chemistry Lab I (1 cr)

CHEM 330 Organic Chemistry Lecture II (3 cr)

CHEM 331 Organic Chemistry Lab II (2 cr)

CHEM 313 Analytical Chemistry I—Quantitative Analysis (4 cr)

CHEM 314 Analytical Chemistry II—Instrumental Analysis (4 cr)

CHEM 321 Physical Chemistry I (3 cr)

CHEM 322 Physical Chemistry II (3 cr)

CHEM 412 Biochemistry (3 cr)

CHEM 413 Biochemistry Lab (1 cr)

CHEM 414 Inorganic Chemistry (3 cr)

CHEM 414L Inorganic Synthesis (1 cr)

Recommended Electives: One year of a modern foreign language.

## **Computer Science and Information Systems**

### **Department Faculty**

Moe Bidgoli, Il-Hyung Cho, Farid Hallouche, John Hansen, Scott James, Tai-Chi Lee, Morteza Marzjarani

The Department of Computer Science and Information Systems offers majors and minors in computer science and computer information systems. Also offered is a Computer Science Endorsement for teachers holding a viable secondary certificate from the state of Michigan. (For additional information see the College of Education section in this catalog.) Students considering a degree in one of these areas should arrange an early interview with the Department of Computer Science and Information Systems so that their interests and future career will be considered in planning their curriculum.

A student who receives a grade lower than “C” in a computer science or computer information systems course may not use that course to satisfy a prerequisite for another computer science or computer information systems course, nor may the student take any course having that course as a prerequisite without repeating the course.

### **Computer Science Major (B.S.)**

A minor is required.

#### **Area I: General Requirements (24 credits required from the following three components)**

##### **Mathematics and Statistics Components (15 credits required)**

CS 245 Statistics with Computer Applications (4 cr)

MATH 161 Calculus I (4 cr)

MATH 162 Calculus II (4 cr)

MATH 300 Discrete Mathematical Structures (3 cr)

##### **Communication Skills Component (6 credits required)**

COMM 105A Fundamentals of Communication (3 cr)

ENGL 304 Technical Report Writing (3 cr)

##### **Ethics Component (3 credits required)**

One course from

PHIL 205A [CI] Professional Ethics: Business (3 cr)

PHIL 210B Applied Ethics in Engineering and Computer Technologies (3 cr)

#### **Area II: Computer Science Core Requirements (44-47 credits required)**

One course from

CS 105 Introduction to Computing (4 cr)

CS 107 Algorithmic Design and UNIX (1 cr) [taken by students who test out of CS 105]

CS 116 Computer Programming I (4 cr)

CS 146 Visual Basic.NET Programming (3 cr)  
CS 216 Computer Programming II (4 cr)  
CIS 255 Web Application Development (4 cr)  
CIS 311 WINDOWS Programming (4 cr)  
CS 316 Data Structures and Algorithm Analysis (4 cr)  
CS 331 Computer Organization and Assembly Language (4 cr)  
CIS 366 Information Technology Project Management (4 cr)  
CS 381 File and Database Processing (4 cr)  
CS 446 Operating Systems (4 cr)  
CS 451 Programming Languages and Compiler Construction (4 cr)

### **Area III: Computer Science Elective Requirements (16 credits)**

Choose one of the following options:

#### **Software Engineering Option:**

CS 421 Object-Oriented Design and Development I (4 cr)  
CS 422 Object-Oriented Design and Development II (4 cr)  
8 credits from  
    CS 401 Computer Networks (4 cr)  
    CS 411 Database (4 cr)  
    CS 416 Algorithms and Complexity (4 cr)  
    CS 431 Computer Architecture (4 cr)  
    CS 476 Computer Graphics (4 cr)  
    CS 482 Artificial Intelligence and Expert Systems (4 cr)  
    CS 490 Special Topics (1-4 cr)

#### **Computer Systems and Networking Option:**

CS 401 Computer Networks I (4 cr)  
CS 402 Computer Networks II (4 cr)  
8 credits from  
    CS 411 Database (4 cr)  
    CS 416 Algorithms and Complexity (4 cr)  
    CS 421 Object-oriented Design and Development I (4 cr)  
    CS 431 Computer Architecture (4 cr)  
    CS 476 Computer Graphics (4 cr)  
    CS 482 Artificial Intelligence and Expert Systems (4 cr)  
    CS 490 Special Topics (1-4 cr)

#### **Recommended Electives**

CS 345 UNIX System Administration (3 cr)  
CIS 357 Object-Oriented Programming with Java (3 cr)

### **Computer Science Minor (20-23 credits required)**

One course from

    CS 105 Introduction to Computing (4 cr)  
    CS 107 Algorithm Design and UNIX (1 cr) [taken by students who test out of CS 105]  
CS 160 Micro Computer Software (3 cr)  
CS 116 Computer Programming I (4 cr)

CS 216 Computer Programming II (4 cr)  
CS 331 Computer Organization and Assembly Language (4 cr)  
CIS 366 Information Technology Project Management (4 cr)

Computer Information Systems majors may take this minor with prior permission of the department.

## **Computer Information Systems Major (B.S.)**

A minor is required.

### **Area I: General Requirements (29 credits required from the following four components)**

#### **Mathematics and Statistics Components (8 credits required)**

MATH 120B Finite Mathematics (4 cr)  
CS 245 Statistics with Computer Applications (4 cr)

#### **Communication Skills Component (6 credits required)**

COMM 105A Fundamentals of Communication (3 cr)  
ENGL 304 Technical Report Writing (3 cr)

#### **Business Component (three courses, 12 credits required)**

ACCT 213 Financial Accounting (4 cr)  
ECON 221 Principles of Macroeconomics (4 cr)  
MGT 321 Organization and Administration (4 cr)  
MKT 331 Principles of Marketing (4 cr)  
LAW 308 Social, Political and Legal Environment of Business (4 cr)

#### **Ethics Component (one course, 3 credits required)**

PHIL 205A[CI] Professional Ethics: Business (3 cr)  
PHIL 210B Applied Ethics in Engineering and Computer Technologies (3 cr)

### **Area II: Computer Information Systems Requirements (48-51 credits)**

One course from

CS 105 Introduction to Computing (4 cr)  
CS 107 Algorithmic Design and UNIX (1 cr) [taken by students who test out of CS 105]  
CS 116 Computer Programming I (4 cr)  
CS 146 Visual Basic.NET Programming (3 cr)  
CS 216 Computer Programming II (4 cr)  
CIS 255 Web Application Development (4 cr)  
CIS 301 Data Communication and Network Administration (4 cr)  
CIS 311 WINDOWS Programming (4 cr)  
CIS 333 Introduction to System Software (4 cr)  
CIS 371 Storage Devices and File Manipulation Techniques (4 cr)  
CIS 386 Database Management Systems (4 cr)  
CIS 422 System Analysis and Design Concepts and Techniques (4 cr)  
CIS 424 System Design, Implementation and Management (4 cr)

### **Area III: Computer Information Systems Required Electives (three course, 9 credits required)**

CS 345 UNIX System Administration (3 cr)  
CIS 357 Object-Oriented Programming with Java (3 cr)  
CIS 425 Decision Support Systems (3 cr)  
CIS 486 Data Warehousing and Enterprise Database Systems (3 cr)  
CIS 490 Special Topics (3cr)

### **Computer Information Systems Minor (20-23 credits required)**

One course from

CS 105 Introduction to Computing (4 cr)  
CS 107 Algorithmic Design and UNIX (1 cr) [taken by students who test out of CS 105]  
CS 116 Computer Programming I (4 cr)  
CS 160 Micro Computer Software (3 cr)  
CS 216 Programming II (4 cr)  
CIS 255 Web Application Development (4 cr)  
CIS 366 Information Technology Project Management (4 cr)

Computer Science majors may take this minor with prior permission of the department.

## **Engineering Programs**

The goal of the engineering unit is to provide programs of choice for students in East-Central Michigan and to have graduates recognized by various regional constituencies as among the best in the state.

To support this goal, the following objectives of SVSU Engineering are structured around the themes of lifelong learning, technical foundation, design, experimenting/hands-on skills, and professional practice:

1. To prepare students for a life-long learning process in the profession of engineering.
2. To educate students in the fundamental technical areas of electrical (EE students) and mechanical engineering (ME students), including the foundation of mathematics, computational skills, and physical science, appropriate for an entry level professional position or graduate school.
3. To develop in students the skills inherent in the design process, including the ability to identify problems, investigate creative and functional solutions, effectively communicate results and work in a collaborative environment.
4. To foster good hands-on skills in experimenting; acquiring, reducing and analyzing data and prototyping systems.
5. To develop an understanding of the economic, ethical and social environment in which engineering is practiced internationally.
6. Graduates from the EE Program will have a demonstrated knowledge of advanced mathematics and be able to analyze and design complex devices and systems containing hardware and software components.
7. Graduates from the ME Program will be able to work professionally in the design and realization of both thermal and mechanical systems.

# Electrical Engineering

## Department Faculty

Russell Clark, Mohamed A. El-Kasabi, Jonathan Leonard, Altaf-Ur Rahman, Ghulam Raz

The EE department offers a spectrum of fundamental courses in electrical engineering with an option to concentrate in one of two specialty areas: Electrical Systems Engineering or Computer Engineering. For details on these options, refer to the notes under “Electives.”

## Electrical Engineering Major (B.S.E.E.)

Interdisciplinary major; no minor is required. Students must declare their major prior to their Junior year.

### Required Foundation Courses (37 credits)

CHEM 111 General Chemistry Lecture I (4 cr)

CHEM 111L General Chemistry Lab I (1 cr)

MATH 161 Calculus I (4 cr)

MATH 162 Calculus II (4 cr)

MATH 261 Calculus III (4 cr)

MATH 262 Differential Equations (4 cr)

PHIL 210B Applied Ethics in Engineering and Computer Technologies (3 cr)

PHYS 211 Analytical Physics I (4 cr)

PHYS 211L Introductory Physics Lab I (1 cr)

PHYS 212 Analytical Physics II (4 cr)

PHYS 212L Introductory Physics Lab II (1 cr)

One course from

CS 110 Programming for Engineering and Scientists (3 cr)

CS 146 Visual Basic.NET Programming (3 cr)

### Engineering Core (12 credits required of all electrical engineering students)

ECE 101/ME 101 Engineering Careers and Concepts (2 cr)

ECE 235 Circuits I (3 cr)

ECE 235L Circuits I Lab (1 cr)

ME 251 Engineering Statics (3 cr)

ECE 302/ME 302 Engineering Analysis (3 cr)

### Major Required Courses (51 credits)

ECE 216 Digital Circuits (3 cr)

ECE 216L Digital Circuits Lab (1 cr)

ECE 318 Electronic Circuits I (3 cr)

ECE 318L Electronic Circuits I Lab (1 cr)

ECE 335 Circuits II (3 cr)

ECE 341 Introduction to Power Electronics & Drives (3 cr)

ECE 341L Introduction to Power Electronics & Drives Lab (1 cr)

ECE 355 Microprocessors/Microcomputers (3 cr)

ECE 355L Microprocessors/Microcomputers Lab (1 cr)

ECE 358 Electronic Circuits II (3 cr)

ECE 358L Electronic Circuits II Lab (1 cr)  
ECE 360 Automatic Control Systems (3 cr)  
ECE 368 Computer Engineering I (3 cr)  
ECE 368L Computer Engineering I Lab (1 cr)  
ECE 441 Electric Power Systems (3 cr)  
ECE 445 Electromagnetic Fields (3 cr)  
ECE 450 Digital Signal Processing (3 cr)  
ECE 453 Electronic Communications (3 cr)  
ECE 453L Electronic Communications Lab (1 cr)  
ECE 460 Digital Control Systems (3 cr)  
ECE 460L Digital Control Systems Lab (1 cr)  
ECE 497 Senior Design Project I (2 cr)  
ECE 499 Senior Design Project II (2 cr)

**Electives (9 credits required; 6 credits must be selected from Design-Content Electives; 3 credits may be selected from Design-Content Electives or Other Elective Courses)**

**Design-Content Electives (6-9 credits required)**

ECE 436/436L Measurements and Instrumentation Lecture (2 cr) and Lab (1 cr)  
ECE 440 Linear System Analysis (3 cr)  
ECE 451 Embedded Systems (3 cr)  
ECE 455 Data Communication (3 cr)  
ECE 458/458L Electirc Drives Lecture (2 cr) and Lab (1 cr)  
ECE 461 Modern Control System Design (3 cr)  
ECE 468 Computer Engineering II (3 cr)  
ECE 470 Robot Dynamics and Control (3 cr)  
ECE 471 Computer Applications in Power Systems (3 cr)  
ECE 478 Introduction to VLSI (3 cr)  
ECE 485 Digital and Satellite Communications (3 cr)

**Note**

1. It is recommended that students who plan to concentrate in electrical systems engineering choose from the following courses: ECE 436, 440, 458, 461, 470 or 471.
2. It is recommended that students who plan to concentrate in computer engineering choose from the following courses: ECE 451, 455, 468, 478 or 485.
3. Exceptions to these guidelines are permitted by petitioning the department.

**Other Elective Courses (0-3 credits)**

CS 316 Data Structures and Algorithmic Analysis (3 cr)  
CS 416 Algorithms and Complexity (3 cr)  
CS 446 Operating Systems (3 cr)  
CS 451 Programming Languages and Compiler Design (3 cr)  
ECE 490 Special Topics (3 cr)  
ECE 496 Engineering Field Work (3 cr)  
ME 356 Fluid Mechanics (3 cr)  
PHYS 309 Introduction to Modern Physics (4 cr)  
PHYS 332 Modern Optics and Holography (3 cr)  
PHYS 442 Laser Physics and Optoelectronics (3 cr)  
Other courses may be selected, subject to the department's approval.

## **Course Sequence**

Engineering courses are to be taken with careful attention paid to prerequisite courses. Requests for the waiver of requirements, transfer credit, and/or fulfillment of requirements by substitute courses should be submitted by the student for departmental approval on a form available from the chairperson.

## **Electrical Engineering Minor (18 credits required)**

### **Required Courses (6 credits, lectures only)**

ECE 216 Digital Circuits (3 cr)

ECE 235 Circuits I (3 cr)

### **Required Electives (12 credits)**

Three upper division (300-400 level) ECE courses

Additional ECE courses to total 18 credits

## **Mechanical Engineering**

### **Department Faculty**

Brooks Byam, M. Yousef Jabbari, Thomas E. Kullgren, Enayat Mahajerin, Joseph Shlien, Robert Tuttle

### **Mechanical Engineering Major (B.S.M.E.)**

Interdisciplinary major; no minor is required. Students must declare their major prior to their Junior year.

### **Required Foundation Courses (34 credits)**

CHEM 111 General Chemistry Lecture I (4 cr)

CHEM 111L General Chemistry Lab I (1 cr)

MATH 161 Calculus I (4 cr)

MATH 162 Calculus II (4 cr)

MATH 261 Calculus III (4 cr)

MATH 262 Differential Equations (4 cr)

PHIL 210B Applied Ethics in Engineering and Computer Technologies (3 cr)

PHYS 211 Analytical Physics I (4 cr)

PHYS 211L Introductory Physics Lab I (1 cr)

PHYS 212 Analytical Physics II (4 cr)

PHYS 212L Introductory Physics Lab II (1 cr)

### **Engineering Core (10 credits required of all mechanical engineering students)**

ME 101/ECE 101 Engineering Careers and Concepts (2 cr)

ECE 235 Circuits I (3 cr)

ECE 235L Circuits I Lab (1 cr)

ME 251 Engineering Statics (3 cr)

ME 302/ECE 302 Engineering Analysis (3 cr)

## **Major Required Courses (47 credits)**

ME 220 Computer-Aided Design (3 cr)  
ME 250 Principles of Engineering Materials (4 cr)  
ME 252 Engineering Dynamics (3 cr)  
ME 284 Computational and Experimental Methods in Engineering (4 cr)  
ME 311 Thermodynamics I (3 cr)  
ME 312 Thermodynamics II (3 cr)  
ME 353 Solid Mechanics (4 cr)  
ME 356 Fluid Mechanics (4cr)  
ME 380 Manufacturing Processes and Systems (4 cr)  
ME 420 Heat Transfer (4 cr)  
ME 451 Machine Design (3 cr)  
ME 460 Automatic Control Systems (3 cr)  
ME 480 Senior Design I (3 cr)  
ME 481 Senior Design II (2 cr)

**Electives (12 credits required; at least 6 credits must be from design-content courses)**

## **Design-Content Courses (6 credits required)**

ME 370 Physical Metallurgy (3 cr)  
ME 416 Power Plant Engineering (3 cr)  
ME 430 Heating, Ventilating, Air Conditioning System Design (3 cr)  
ME 444 Kinematics of Machines (3 cr)  
ME 445 Mechanical Vibrations (3 cr)  
ME 446 Automotive Vehicle Dynamics (3 cr)  
ME 447 Automotive Engine Fundamentals (3 cr)  
ME 453 Finite Element Analysis (3 cr)  
ME 456 Aerodynamics (3 cr)  
ME 470 Fracture and Fatigue Analysis (3 cr)

## **Other Acceptable Courses**

ECE 341 Introduction to Power Electronics & Drives (3 cr)  
ECE 341L Introductions to Power Electronics & Drives Lab (1 cr)  
ECE 355 Microprocessors/Microcomputers (3 cr)  
ECE 355L Microprocessors/Microcomputers Lab (1 cr)  
MATH 304 Applied Probability and Statistics (3 cr)  
MATH 323 Linear Algebra (3 cr)  
MATH 454 Probability and Statistics I (3 cr)  
ME 320 Solid Modeling (3 cr)  
ME 390 Intermediate Special Topics (1-4 cr)  
ME 406 Engineering Cost Analysis (3 cr)  
ME 490 Advanced Special Topics (1-4 cr)  
ME 497 Senior Research Project (1-4 cr)  
MGT 321 Organization and Administration (4 cr)  
PHYS 301 Theoretical Mechanics I (3 cr)  
PHYS 313 Mathematical Methods (3 cr)  
PHYS 332 Modern Optics and Holography (3 cr)

Other courses may be selected but they are subject to prior departmental approval.

## **Course Sequence**

Engineering courses are to be taken with careful attention paid to prerequisites. A student who receives a grade lower than a "C" in a Foundation, Engineering Core, or Mechanical Engineering course may not use that course to satisfy a prerequisite for another Mechanical Engineering course.

A student must declare a major in Mechanical Engineering and successfully complete (grade of "C" or better) the following prior to taking any 300 or higher level Mechanical Engineering course:

1. All Basic Skills requirements
2. All 100 level Foundation courses
3. All 100 level Engineering Core courses

The following must be successfully completed (grade of "C" or better) prior to taking any 400 level Mechanical Engineering course:

1. All Foundation courses
2. All Engineering Core courses
3. All lower division (100 and 200 level) Mechanical Engineering courses

The waiver of requirements, transfer credit, and/or fulfillment of requirements by subsequent courses are to be submitted by the student for departmental approval by filling out a course petition form available from the chairperson.

## **Mechanical Engineering Minor (18 credits required)**

ME 251 Engineering Statics (3 cr)

ME 252 Engineering Dynamics (3 cr)

Two upper division (300-400 level) mechanical engineering courses

Additional Mechanical Engineering courses to total 18 credits in Mechanical Engineering

## **Engineering and Technology Minor (18 credits required)**

18 credits from ETM/ME and ECE courses. A specific course sequence is selected by each student with prior approval by the dean.

## **Engineering Technology Management Major (B.S.)**

The goal of the ETM program is to add value to the associate's degree held by selected degree candidates so that they may perform more effectively in the modern industrial workplace. Program objectives supporting this goal are:

1. An increased understanding of modern industrial practices.
2. An increased level of skill in leadership and management practices.
3. An awareness of good business practices, especially in areas of ethics and technology.
4. Communication skills appropriate for the industrial workplace.

The award of an approved associate's degree from a two-year school is required for admission, or students in an engineering program also may transfer into this program. (Engineering program transfer students must have at

least 45 credits and obtain the approval of the ETM Program Coordinator, or the Dean of the College of Science, Engineering and Technology.) Approved degrees at the associate's degree level are those programs with an ETM articulation agreement with SVSU and are in the technology area. Students must complete a minimum of 62 credits at SVSU for the award of this degree (124 total credits, as a minimum); 46 credits of required courses; and the credits necessary to fulfill the SVSU Basic Skills and General Education requirements. Students also must fulfill the requirement to have 42 credits at the 300 and 400 levels.

This is an interdisciplinary major; completion of this program fulfills the requirement for a minor in management.

### **Major Required Courses (46 credits)**

#### **Industrial Practices (15 credits required)**

ME 220 Computer Aided Design (3 cr)

One course from

ETM 322 Manufacturing Technology (3 cr)

ECE 355 Microprocessors/Microcomputers (3 cr)

ETM 333 Introduction to Industrial Engineering (3 cr)

ETM 364 Quality Control and Assurance (3 cr)

ME 406 Engineering Cost Analysis (3 cr)

#### **Leadership and Management (18 credits required)**

MGT 321 Organization and Administration (4 cr)

MGT 323 Human Resource Management (3 cr)

MGT 324 Production and Operations Management (4 cr)

MGT 328 Organizational Behavior (4 cr)

MGT 351 Introduction to Entrepreneurship (3 cr)

#### **Business Practices (10 credits required)**

ECON 235 Introductory Statistics (4 cr)

PHIL 210B Applied Ethics in Engineering and Computer Technologies (3 cr)

One 300 or 400 level MGT elective (3-4 cr)

#### **Communication (3 credits required)**

ENGL 304 Technical Report Writing (3 cr)

An engineering technology management minor is not available.

## **Mathematical Sciences**

### **Department Faculty**

Jim Adams, Hamza Ahmad, Hasan Al-Halees, Cyrus Aryana, Jennifer Betcher, Nancy Colwell, Anthony Crachiola, Curtis Grosse, Tyler H. Haynes, Amy Hlavacek, Jan Hlavacek, Garry L. Johns, Bing Liu, Joseph T. Matti, Gretchen Mooningham, John Mooningham, Todorka Nedeva, Patrick Pan, David Schall, Steven J. Sepanski, Andrew Tierman, Thomas Zerger

The Department of Mathematical Sciences offers majors in mathematics, mathematics for secondary teaching, and applied mathematics.

A student who receives a grade lower than “C” in a mathematics course may not use that course to satisfy a prerequisite for another mathematics course, nor may the student take any course having that course as a prerequisite without repeating the course.

## **Mathematics Major (B.S.)**

A minor is required.

### **Core (16 credits required)**

MATH 161 Calculus I (4 cr)  
MATH 162 Calculus II (4 cr)  
MATH 261 Calculus III (4 cr)  
MATH 262 Differential Equations (4 cr)

### **Required Courses (16 credits required)**

MATH 304 Applied Probability and Statistics (3 cr)  
MATH 323 Linear Algebra (3 cr)  
MATH 403 Complex Analysis (3 cr)  
MATH 405 Real Analysis (3 cr)  
MATH 420 Abstract Algebra (3 cr)  
MATH 480 Senior Seminar (1 cr)

### **Required Electives (12 credits)**

6 credits from the following:

MATH 441 Numerical Analysis I (3 cr)  
MATH 454 Probability and Statistics I (3 cr)  
MATH 471 Abstract Geometry (3 cr)

6 additional credits in 300-400 level mathematics courses

### **Additional Requirements**

One computer science course involving a structured programming language suitable for mathematics (3 credits required).

A mathematics competency exam is required to be taken in the Senior year. Students should contact the department for information concerning testing times.

## **Mathematics Minor (22 credits required)**

MATH 161 Calculus I (4 cr)  
MATH 162 Calculus II (4 cr)  
MATH 261 Calculus III (4 cr)  
MATH 262 Differential Equations (4 cr)  
MATH 304 Applied Probability and Statistics (3 cr)

One course from:

MATH 302 Introduction to Modern Math (3 cr)

MATH 313 Number Theory (3 cr)

MATH 323 Linear Algebra (3 cr)

## **Applied Mathematics Major (B.S.)**

A minor is required.

### **Core (16 credits required)**

MATH 161 Calculus I (4 cr)

MATH 162 Calculus II (4 cr)

MATH 261 Calculus III (4 cr)

MATH 262 Differential Equations (4 cr)

### **Required Courses (19 credits required)**

MATH 281 Mathematical Foundations of Actuarial Science (3 cr)

MATH 300 Discrete Mathematical Structures (3 cr)

MATH 304 Applied Probability and Statistics (3 cr)

MATH 311 Applied Stochastics Processes (3 cr)

MATH 323 Linear Algebra (3 cr)

MATH 441 Numerical Analysis I (3 cr)

MATH 480 Senior Seminar (1 cr)

### **Required Electives (9 credits)**

9 additional credits in 300-400-level mathematics courses, except MATH 302, MATH 420, MATH 471.

### **Additional Requirements (3-4 credits)**

A computer science course involving a structured programming language suitable for mathematics. Current choices:

CS 110 Programming for Scientists and Engineers (3 cr)

CS 116 Programming I (4 cr)

CS 146 Visual Basic.NET Programming (3 cr)

A mathematics competency exam, to be taken in the Senior year, is required. Students should contact the department for information on testing times.

## **Applied Mathematics Minor (21 credits required)**

MATH 161 Calculus I (4 cr)

MATH 162 Calculus II (4 cr)

MATH 261 Calculus III (4 cr)

MATH 281 Mathematical Foundations of Actuarial Science (3 cr)

MATH 304 Applied Probability and Statistics (3 cr)

MATH 311 Applied Stochastics Processes (3 cr)

## **Mathematics Major for Teacher Certification (B.S.)**

Restricted to students seeking teacher certification in mathematics. A student who does not complete teacher certification requirements will not be permitted to graduate with this major. A certification minor is required.

### **Major Required Courses (37 credits)**

MATH 161 Calculus I (4 cr)  
MATH 162 Calculus II (4 cr)  
MATH 261 Calculus III (4 cr)  
MATH 262 Differential Equations (4 cr)  
MATH 300 Discrete Mathematical Structures (3 cr)  
MATH 302 Introduction to Modern Math (3 cr)  
MATH 304 Applied Probability and Statistics (3 cr)  
MATH 323 Linear Algebra (3 cr)  
MATH 420 Abstract Algebra (3 cr)  
MATH 471 Abstract Geometry (3 cr)  
MATH 476 Content and Concepts: Secondary School Mathematics (2 cr)  
MATH 480 Senior Seminar (1 cr)

### **Required Electives (6 credits)**

6 additional credits in 300-400 level mathematics courses

### **Additional Requirements**

One computer science course involving a structured programming language suitable for mathematics (3 credits required).

A mathematics competency exam is required to be taken in the Senior year. Students should contact the department for information concerning testing times.

### **Recommended Electives**

MATH 104, as a prerequisite to MATH 471 for those students who have not had a course in Euclidean geometry in high school.  
MATH 120B, applications course with examples appropriate for the high school curriculum.

### **Required Education Courses**

Refer to College of Education section of catalog.

## **Mathematics Minor for Teacher Certification (20 credits required)**

Restricted to students seeking teacher certification in mathematics; a student who does not complete teacher certification requirements will not be permitted to graduate with this minor.

### **Required Courses**

MATH 161 Calculus I (4 cr)  
MATH 162 Calculus II (4 cr)

MATH 300 Discrete Mathematical Structures (3 cr)  
MATH 302 Introduction to Modern Math (3 cr)  
MATH 304 Applied Probability and Statistics (3 cr)  
MATH 471 Abstract Geometry (3 cr)

In accordance with the Academic Residency Requirement, at least 3 credits of mathematics at the sophomore or higher level must be completed at SVSU.

## Physics

### Department Faculty

Hsuan Shen Chen, Ming-Tie Huang, Albert R. Menard III, Laureen Reed, Marian Shih

The Department of Physics offers four programs in physics leading to the B.S. degree. A student contemplating a physics major should arrange for an early interview with the department, so that his or her interest and future career can be considered in the planning of the program. In addition to the requirements described below for each program, the distribution and general requirements listed in the catalog should be fulfilled. A student planning a physics major is encouraged to take a year of college calculus as early as possible.

### Physics Major (B.S.)

A minor is required.

### Foundation Courses (26 credits)

MATH 161 Calculus I (4 cr)  
MATH 162 Calculus II (4 cr)  
MATH 261 Calculus III (4 cr)  
MATH 262 Differential Equations (4 cr)  
CHEM 111 General Chemistry Lecture I (4 cr)  
CHEM 111L General Chemistry Laboratory I (1 cr)  
CHEM 112 General Chemistry Lecture II (4 cr)  
CHEM 112L General Chemistry Laboratory II (1 cr)

### Major Required Courses (34 credits)

PHYS 211 Analytical Physics I (4 cr)  
PHYS 211L Introductory Physics Laboratory I (1 cr)  
PHYS 212 Analytical Physics II (4 cr)  
PHYS 212L Introductory Physics Laboratory II (1 cr)  
PHYS 301 Theoretical Mechanics I (3 cr)  
PHYS 302 Electricity and Magnetism (3 cr)  
PHYS 309 Introduction to Modern Physics (4 cr)  
PHYS 312 Thermodynamics (3 cr)  
PHYS 313 Mathematical Methods (3 cr)  
PHYS 320 Junior Laboratory (1 cr)  
PHYS 400 Senior Laboratory (1 cr)  
PHYS 401 Theoretical Mechanics II (3 cr)  
PHYS 402 Physical Optics (3 cr)

## **Recommended Electives**

PHYS 403 Introduction to Quantum Mechanics (3 cr)

PHYS 404 Solid State Physics (3 cr)

## **Physics Minor (18 credits required)**

18 credits in physics courses at the 200 level or above, which must include 8 credits at the 300-400 level.

## **Optical Physics (B.S.)**

A minor is required. A major or minor in physics may not be earned with this major.

## **Foundation Courses (26 credits)**

MATH 161 Calculus I (4 cr)

MATH 162 Calculus II (4 cr)

MATH 261 Calculus III (4 cr)

MATH 262 Differential Equations (4 cr)

CHEM 111 General Chemistry Lecture I (4 cr)

CHEM 111L General Chemistry Laboratory I (1 cr)

CHEM 112 General Chemistry Lecture II (4 cr)

CHEM 112L General Chemistry Laboratory II (1 cr)

## **Major Required Courses (40 credits)**

PHYS 211 Analytical Physics I (4 cr)

PHYS 211L Introductory Physics Laboratory I (1 cr)

PHYS 212 Analytical Physics II (4 cr)

PHYS 212L Introductory Physics Laboratory II (1 cr)

PHYS 301 Theoretical Mechanics I (3 cr)

PHYS 302 Electricity and Magnetism (3 cr)

PHYS 309 Introduction to Modern Physics (4 cr)

PHYS 313 Mathematical Methods (3 cr)

PHYS 320 Junior Laboratory (1 cr)

PHYS 332 Modern Optics and Holography (3 cr)

PHYS 400 Senior Laboratory (1 cr)

PHYS 401 Theoretical Mechanics II (3 cr)

PHYS 402 Physical Optics (3 cr)

PHYS 432 Introduction to Fourier Optics (3 cr)

PHYS 442 Laser Physics and Optoelectronics (3 cr)

PHYS 497 Senior Research (3 cr)

## **Recommended Electives**

CS 146 Visual Basic.NET Programming (3 cr)

PHYS 401 Theoretical Mechanics II (3 cr)

PHYS 403 Introduction to Quantum Mechanics (3 cr)

PHYS 404 Solid State Physics (3 cr)

## **Physics Major for Teacher Certification (B.S.)**

This program is restricted to students seeking teacher certification in physics. A certification minor is required. The student may complete a minor in chemistry and a minor in mathematics by electing 10 additional credits Chemistry (courses must be numbered 111 or higher) and completing MATH 300, MATH 302, MATH 304, and MATH 471.

### **Foundation Courses (25 credits)**

BIOL111A Principles of Biology (4 cr)  
CHEM 111 General Chemistry Lecture I (4 cr)  
CHEM 111L General Chemistry Laboratory I (1 cr)  
CHEM 112 General Chemistry Lecture II (4 cr)  
CHEM 112L General Chemistry Laboratory II (1 cr)  
MATH 161 Calculus I (4 cr)  
MATH 162 Calculus II (4 cr)  
3 credits in astronomy, meteorology or geology

### **Major Required Courses (32 credits)**

PHYS 211 Analytical Physics I (4 cr)  
PHYS 211L Introductory Physics Laboratory I (1 cr)  
PHYS 212 Analytical Physics II (4 cr)  
PHYS 212L Introductory Physics Laboratory II (1 cr)  
PHYS 301 Theoretical Mechanics I (3 cr)  
PHYS 302 Electricity and Magnetism (3 cr)  
PHYS 309 Introduction to Modern Physics (4 cr)  
PHYS 312 Thermodynamics (3 cr)  
PHYS 314 Electronics (4 cr)  
PHYS 320 Junior Laboratory (1 cr)  
PHYS 332 Modern Optics and Holography (3 cr)  
PHYS 400 Senior Laboratory (1 cr)

### **Required Education Courses**

38 credits secondary teaching professional development courses.

## **Physics Minor for Teacher Certification (20 credits required)**

### **Required Courses (17 credits)**

PHYS 211 Analytical Physics (4 cr)  
PHYS 211L Introductory Physics Lab I (1 cr)  
PHYS 212 Analytical Physics II (4 cr)  
PHYS 212L Introductory Physics Lab II (1 cr)  
PHYS 309 Introduction to Modern Physics (4 cr)  
One course from  
    PHYS 332 Modern Optics and Holography (3 cr)  
    PHYS 402 Physical Optics (3 cr)

**Required Electives (additional credits from the following to reach 20 credits total)**

PHYS 301 Theoretical Mechanics I (3 cr)

PHYS 302 Electricity and Magnetism (3 cr)

PHYS 312 Thermodynamics (3 cr)

PHYS 313 Mathematical Methods (3 cr)

PHYS 314 Electronics (4 cr)

PHYS 320 Junior Lab (1 cr)

PHYS 332 Modern Optics and Holography (3 cr) [if not already being used to satisfy minor]

PHYS 400 Senior Lab (1 cr)

PHYS 402 Physical Optics (3 cr)[if not already being used to satisfy minor]

PHYS 403 Introduction to Quantum Mechanics (3 cr)

PHYS 432 Introduction to Fourier Optics (3 cr)

PHYS 442 Laser Physics and Optoelectronics (3 cr)

**Chemical Physics Major (B.S.)**

See cross-listing under Chemistry Department section of this catalog.

