



College of SOCIAL SCIENCE

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In the complex and rapidly changing world of the 21st century, the social, behavioral, and economic sciences are critical to understanding and enhancing the world around us. Scholars in the College of Social Science are diverse and dynamic intellectual leaders who seek to understand and address the myriad challenges facing our world at local and global scales through collaborative learning and responsive engagement with people and communities. Using measurement and analysis in addition to observation and definition, we conduct and apply research to address the diverse problems confronting citizens of our highly technical and increasingly globalized world.

The College of Social Science offers graduate and undergraduate courses and degree programs, research initiatives, and specializations through the following units: Departments of Anthropology, Economics, Geography, History, Human Development and Family Studies, Political Science, Psychology, and Sociology; Schools of Criminal Justice, Human Resources and Labor Relations, Planning, Design and Construction, and Social Work; Programs in Chicano/Latino Studies and Urban and Regional Planning; Other units include Women, Gender, and Social Justice (administered jointly with College of Arts and Letters); Center for Integrative Studies in Social Science; Center for Advanced Study of International Development; Center for Global Change and Earth Observations; Center for Humane Arts, Letters and Social Sciences Online (MATRIX); Remote Sensing and Geographic Information Science Research and Services; Julian Samora Research Institute, Institute for Public Policy and Social Research, and the Institute of Public Utilities. The college also sponsors or co-sponsors several undergraduate and graduate specializations.

In cooperation with other areas of the university, the College of Social Science engages in the pursuit and application of knowledge from emerging interdisciplinary perspectives. The College collaborates with the colleges of Agriculture and Natural Resources, Arts and Letters, Education, Engineering, Human Medicine, and Natural Science; University Outreach and Engagement; International Studies and Programs; Michigan State Extension, Division of Children, Youth and Families; Institute for International Health; the Centers for African Studies, Asian Studies, Canadian Studies, and Latin American and Caribbean Studies; and the Evening College.

UNDERGRADUATE PROGRAMS

The College of Social Science offers degree programs in its departments and schools, in the Interdisciplinary Studies in Social Science major, and the Global and Area Studies-Social Science major. A student should carefully study the catalog descriptions of these majors before choosing one. The three general types of majors in the college are described below.

A **departmental** major consists of at least 30 credits in courses recognized by the department as counting toward the major. Each departmental major is designed to provide concentrated study in a specific field; it will be complemented by courses outside the major to give breadth to a student's education.

A student majoring in one of the **schools** is introduced to principles and techniques which are basic to the subject area and then learns to apply them in specified programs of study. The minimum number of credits required varies among programs. In

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each school, the major program consists of courses offered within the school and course work in complementary disciplines.

The **Interdisciplinary Studies in Social Science** major is organized around five thematic concentrations. Students select one from the following: Community Governance and Advocacy, Health and Society, International Studies, Human Capital and Society, and Liberal Studies. The **Interdisciplinary Studies in Social Science: Social Science Education** major is available for students seeking teacher certification.

The **Global and Area Studies-Social Science** major focuses on the study of global systems and processes as they are expressed in local places. Students study a world region concentration and a foreign language relevant to that region or a global theme that is important across world regions.

Majors in the college lead to Bachelor of Arts and Bachelor of Science degrees. They provide a valuable background for those interested in a wide variety of careers, as well as for those intending to pursue advanced degrees in professional or graduate school.

Specializations

In addition to undergraduate major programs, the college offers several specializations, which may be combined with the requirements of a student's degree program. Specializations are offered in: African American History and Culture (see *Department of History*), African Studies, Asian Pacific American Studies, Asian Studies, Canadian Studies, Chicano/Latino Studies, Gender and Global Change, International Development, Latin American and Caribbean Studies, Peace and Justice Studies, Security Management (see *School of Criminal Justice*), and Spatial Information Processing (see *Department of Geography*).

Students in Social Science may also complete a Bioethics, Humanities, and Society Specialization (see the *College of Human Medicine* section of this catalog).

Students in Social Science may also complete an Environmental Studies Specialization (see the *College of Natural Science* section of this catalog), and numerous specializations offered by other colleges.

Freshmen and Sophomores

Freshmen and sophomores at Michigan State University are enrolled in the Undergraduate University Division but may declare a major preference for a major in a department or school of the College of Social Science, the Interdisciplinary Studies in Social Science major, or the Global and Area Studies-Social Science major. Students who declare any Social Science major preference will be assigned an academic advisor in this college.

Admission as a Junior to the College of Social Science

1. Completion of at least 56 credits acceptable to the college.
2. An academic record which at least meets the requirements of Academic Standing of Undergraduate Students.
3. Acceptance as a major in a program of the college. The number of students admitted to the Social Work program at the junior and senior level is limited.

Students will find it difficult to complete a degree program in two years after acceptance in the college as a junior unless a minimum of 60 credits, including some of the program requirements, are earned during the first two years.

Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees

To ensure an appropriately broad and well-balanced education, all undergraduates enrolled in the College of Social Science must satisfy the following subject matter and credit distribution requirements, in addition to the graduation requirements of the university as described in the *Undergraduate Education* section of this catalog.

The following restrictions pertain to all courses taken in fulfillment of requirements for the Bachelor of Arts and Bachelor of Science degrees in the College of Social Science:

1. Courses applied to the university requirements in Integrative Studies and Mathematics may **not** also be counted toward the college graduation requirements.
2. Not more than 4 credits of independent study, internship, field experience, or practicum courses may be used to fulfill the college requirements for the Bachelor of Arts and Bachelor of Science degrees.
3. Unless otherwise noted, no courses offered by a student's major department or school may be counted toward the college requirements.
4. Only credits in courses graded on the numerical or Pass-No Grade system may be counted toward college and major requirements, i.e. courses taken in satisfaction of college and major requirements may **not** be taken on a Credit-No Credit basis.
5. Students in the Interdisciplinary Studies in Social Science: Social Science Education major are not required to complete the College of Social Science requirements for the Bachelor of Arts degree.
6. Students in the History Education major are not required to complete the College of Social Science requirements for the Bachelor of Arts degree.

1. Bachelor of Arts

All candidates must meet the following requirements:

A. SOCIAL SCIENCE REQUIREMENT

1. Complete the requirements of a major of no fewer than 30 credits with a minimum 2.0 grade-point average for courses in the major.
2. Complete a minimum of 15 credits in the following departments, schools, and programs: Anthropology, Criminal Justice, Economics, Geography, History, Human Development and Family Studies, Labor and Industrial Relations, Political Science, Psychology, Social Work, Sociology, and Urban and Regional Planning. A maximum of 4 credits of Social Science 493 or 496 may apply.

Students with majors in the department or school must meet this requirement with courses outside the major. Students in the Interdisciplinary Studies major must meet this requirement with courses outside the disciplinary cognate. A department or school may require its majors to complete specific courses to satisfy this college requirement. The courses in the College of Social Science that have been specifically designated by the Curriculum and Academic Policies Committee for the college requirement in Natural Science may be used to satisfy this requirement but may not be used to satisfy both the college requirement in Natural Science and this requirement.

- B. ARTS AND LETTERS REQUIREMENT
Complete a minimum of 9 credits in the College of Arts and Letters. The following College of Education courses may also be counted toward this requirement: Counseling, Educational Psychology and Special Education (CEP) 341 American Sign Language and the Deaf Community, CEP 441A American Sign Language I, CEP 441B American Sign Language II, CEP 442A American Sign Language III, and CEP 442B American Sign Language IV. A department or school may require its majors to complete specific courses or particular subject matter areas in the College of Arts and Letters to satisfy this college requirement.
- C. NATURAL SCIENCE REQUIREMENT
Complete a minimum of 6 credits in the College of Natural Science or in alternative courses selected from a list approved by the Curriculum and Academic Policies Committee. A department or school may require its majors to complete specific courses or particular subject matter areas in the College of Natural Science to satisfy this college requirement. Mathematics 1825, 100E, and 290 may **not** apply to this requirement for the Bachelor of Arts degree.
- D. DISTRIBUTION REQUIREMENTS
1. Complete a minimum of 30 credits in courses numbered at the 300 level and above. Courses offered by the student's major department or school may be used to satisfy this requirement.
 2. A maximum of 12 credits of independent study may be applied to the degree.
 3. A maximum of 12 credits of internship, field experience, or practicum credits may be applied to the degree.
 4. The total of independent study, internship, field experience, and practicum credits applied to the degree may not exceed 20 credits.

II. Bachelor of Science

All candidates must meet the following requirements:

- A. SOCIAL SCIENCE REQUIREMENT
1. Complete the requirements of a major of no fewer than 30 credits with a minimum 2.0 grade-point average for courses in the major.
 2. Complete a minimum of 9 credits in the following departments, schools, and programs: Anthropology, Criminal Justice, Economics, Geography, History, Human Development and Family Studies, Labor and Industrial Relations, Political Science, Psychology, Social Work, Sociology, and Urban and Regional Planning. A maximum of 4 credits of Social Science 493 or 496 may apply.
Students with majors in the department or school must meet this requirement with courses outside the major. Students in the Interdisciplinary Studies major must meet this requirement with courses outside the disciplinary cognate. A department or school may require its majors to complete specific courses to satisfy this college requirement. The courses in the College of Social Science that have been specifically designated by the Curriculum and Academic Policies Committee for the college requirement in Natural Science may be used to satisfy this requirement but may not be used to satisfy both the college requirement in Natural Science and this requirement.
- B. ARTS AND LETTERS REQUIREMENT
Complete a minimum of 6 credits in the College of Arts and Letters. The following College of Education courses

may also be counted toward this requirement: Counseling, Educational Psychology and Special Education (CEP) 341 American Sign Language and the Deaf Community, CEP 441A American Sign Language I, CEP 441B American Sign Language II, CEP 442A American Sign Language III, and CEP 442B American Sign Language IV. A department or school may require its majors to complete specific courses or particular subject matter areas in the College of Arts and Letters to satisfy this college requirement.

- C. NATURAL SCIENCE REQUIREMENT
Complete a minimum of 15 credits in relevant courses in science and mathematics as **defined by the major unit** offering the B.S. degree option. Mathematics 1825, 100E, 103, 103E, and 290 may **not** apply to this requirement for the Bachelor of Science degree.
- D. DISTRIBUTION REQUIREMENTS
1. Complete a minimum of 30 credits in courses numbered at the 300 level and above. Courses offered by the student's major department or school may be used to satisfy this requirement.
 2. A maximum of 12 credits of independent study may be applied to the degree.
 3. A maximum of 12 credits of internship, field experience, or practicum credits may be applied to the degree.
 4. The total of independent study, internship, field experience, and practicum credits applied to the degree may not exceed 20 credits.

Preprofessional Programs

Students at Michigan State University may select programs of study which satisfy the admission requirements of a professional school of their choice, such as law or medicine. Since the admission requirements to professional programs vary among schools, it is not feasible to establish a single program for each profession that satisfies the admission requirements of all professional schools. In the field of law, however, the College of Social Science has suggested programs of study that satisfy the admission requirements of most law schools. It is the student's responsibility to determine whether a proposed program meets the entrance requirements of the desired professional school.

Prelaw. Prelaw programs in the College of Social Science are available through the Department of Political Science and the Interdisciplinary Studies in Social Science Program. For additional information refer to those sections and to the university statement on prelaw programs in the *Undergraduate Education* section of this catalog.

Premed. Students preparing for medical school may pursue a premed program in combination with the B.S. degree program in several majors in the college, such as Anthropology, Psychology, Sociology or the Interdisciplinary Studies in Social Science Health Studies major. Declared premed majors will be advised by a preprofessional advisor in the College of Natural Science as well as by the academic advisor in their Social Science major.

Honors Study

The College of Social Science encourages honors students to develop distinctive undergraduate programs in their chosen fields. In each major a specially designated Honors advisor, usually a member of the faculty, assists students to plan a rigorous and balanced program tailored to the students' individual interests and abilities.

Departments and schools of the college offer honors courses and seminars at both introductory and advanced levels. These

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courses are provided chiefly, but not exclusively, for members of the Honors College. In addition, the college offers independent study and research opportunities for Honors College students whose interests in social, behavioral, and economic science reach beyond the topics covered by college courses.

SPECIALIZATION IN AFRICAN STUDIES

The Specialization in African Studies, which is administered by the College of Social Science, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. Although the specialization complements a number of major fields, students who plan graduate study related to Africa, who wish to pursue careers in international agencies in the United States and other countries, or who wish to work in Africa may find the specialization particularly appealing. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree.

The Specialization in African Studies provides a multidisciplinary educational experience for students who are interested in Africa. The specialization is designed to help students to acquire a better understanding of diverse aspects of African environments, economies, politics, societies, and cultures.

The undergraduate advisor for African studies in the College of Social Science, located in Room 100 International Center, coordinates the specialization on behalf of the Dean. That advisor assists the student in planning a program of study that is tailored to the student's interests, disciplinary major, and career objectives. The student's program of study for the specialization must be approved in advance and in writing by the advisor for African studies.

Requirements for the Specialization in African Studies¹

The student must complete the requirements for *one* of the three alternatives, A, B, or C. Each alternative consists of specified numbers of credits from two or three of the four sections that are described below: **General Core Courses; African Language Courses; Thematic Concentrations; and Independent Study, Research, and Fieldwork.**

A - BROAD ALTERNATIVE

A minimum of 21 credits to include:

- At least 9 credits from the General Core Courses section.
- At least 9 credits from the Thematic Concentrations section. These 9 credits must be from two of the thematic areas.
- At least 3 credits from the Independent Study, Research, and Fieldwork section.

B - LANGUAGE EMPHASIS ALTERNATIVE

A minimum of 20 credits to include:

- At least 9 credits from the General Core Courses section.
- At least 8 credits from the African Language Courses section. These 8 credits must be from courses in a single language, and study must extend over one full academic year.
- At least 3 credits from either the Thematic Concentrations section or the Independent Study, Research, and Fieldwork section.

C - LANGUAGE PROFICIENCY ALTERNATIVE:

A minimum of 25 credits to include:

- At least 9 credits from the General Core Courses section.
- At least 16 credits from the African Language Courses section. These 16 credits must be from courses in a single language, and study must extend over four semesters.

1. General Core Courses

| | | |
|---------|---|---|
| ANP 416 | Anthropology of Southern Africa | 3 |
| ANP 450 | African Archaeology | 3 |
| EC 414 | Economic Analysis of Sub-Saharan Africa | 3 |
| ENG 363 | African Literature | 3 |
| GEO 338 | Geography of Africa | 3 |
| HST 360 | African History to 1800 | 3 |
| HST 361 | African History since 1800 | 3 |
| HST 484 | Seminar in African History (W) | 3 |

CREDITS

| | | |
|--|---|--------|
| IAH 211A | Area Studies and Multicultural Civilizations: Africa (I) ² | 4 |
| IAH 211C | Area Studies and Multicultural Civilizations: The Americas (D) ² | 4 |
| ISS 330A | Africa: Social Science Perspectives (I) ² | 4 |
| ISS 330C | Latin America: Social Science Perspectives (I) ² | 4 |
| MC 324B | Regional Politics, Cooperation, and Conflict in Sub-Saharan Africa | 4 |
| MC 492 | Senior Seminar in International Relations (W) ³ | 5 |
| PLS 351 | African Politics | 3 |
| 2. African Language Courses⁴ | | |
| AFR 101A | Elementary Swahili I | 4 |
| AFR 101B | Elementary African Language I | 4 |
| AFR 102A | Elementary Swahili II | 4 |
| AFR 102B | Elementary African Language II | 4 |
| AFR 151 | Beginning Individualized African Language I | 4 |
| AFR 152 | Beginning Individualized African Language II | 4 |
| AFR 201A | Second Year Swahili I | 4 |
| AFR 201B | Second-Year African Language I | 4 |
| AFR 202A | Second Year Swahili II | 4 |
| AFR 202B | Second-Year African Language II | 4 |
| AFR 251 | Intermediate Individualized African Language I | 4 |
| AFR 252 | Intermediate Individualized African Language II | 4 |
| AFR 290 | Independent Study | 1 to 4 |
| AFR 450A | Advanced Swahili | 1 to 5 |
| AFR 450B | Advanced African Language | 1 to 5 |
| AFR 490 | Independent Study | 1 to 4 |
| ARB 101 | Elementary Arabic I | 4 |
| ARB 102 | Elementary Arabic II | 4 |
| ARB 201 | Second-Year Arabic I | 4 |
| ARB 202 | Second-Year Arabic II | 4 |
| ARB 290 | Independent Study | 1 to 4 |
| ARB 490 | Independent Study | 1 to 4 |
| 3. Thematic Concentrations | | |
| Cultural, Historical, and Linguistic Studies | | |
| ANP 416 | Anthropology of Southern Africa | 3 |
| ANP 417 | Anthropology of East Africa | 3 |
| ANP 420 | Language and Culture ³ | 3 |
| ANP 450 | African Archaeology | 3 |
| ANP 491 | Topics in Anthropology ³ | 3 |
| ENG 363 | African Literature | 3 |
| ENG 463 | Studies in the Literature of Africa and the African Diaspora | 3 |
| ENG 471 | Third World Cinema | 4 |
| HA 204 | Asian and African Art | 4 |
| HA 470 | Art of West Africa | 4 |
| HA 471 | Art of Central, Southern and Eastern Africa | 3 |
| HST 208 | The African Experience | 4 |
| HST 360 | African History to 1800 | 3 |
| HST 361 | African History since 1800 | 3 |
| HST 362 | West Africa 1500 to 1900 | 3 |
| HST 363 | East Africa since 1500 | 3 |
| HST 364 | Southern Africa since 1800 | 3 |
| HST 484 | Seminar in African History (W) | 3 |
| IAH 211A | Area Studies and Multicultural Civilizations: Africa (I) ² | 4 |
| ISS 310 | People and Environment (I) ² | 4 |
| ISS 330A | Africa: Social Science Perspectives (I) ² | 4 |
| JRN 475 | International News Media ³ | 3 |
| PLS 351 | African Politics | 3 |
| REL 491 | Special Topics in Religious Studies ³ | 3 |
| Ecology, Demography, and Agriculture | | |
| ANP 491 | Topics in Anthropology ³ | 3 |
| ANS 480 | Animal Systems in International Development ³ | 3 |
| EOP 260 | World Food, Population and Poverty ³ | 3 |
| FOR 450 | Forestry in International Development ² | 3 |
| FSM 462 | Agricultural Development in Less Developed Countries ³ | 3 |
| GEO 338 | Geography of Africa | 3 |
| GEO 435 | Geography of Health and Disease ³ | 3 |
| ISS 310 | People and Environment (I) ² | 4 |
| Socioeconomic Change and Development | | |
| ANP 322 | Peasants and Social Change in the Developing World ³ | 3 |
| MC 324B | Regional Politics, Cooperation, and Conflict in Sub-Saharan Africa | 4 |
| PLS 351 | African Politics | 3 |
| Conflict and Resolution in Africa | | |
| MC 324B | Regional Politics, Cooperation, and Conflict in Sub-Saharan Africa | 4 |
| MC 390 | Advanced Topics in Public Affairs ³ | 4 |
| SOC 215 | Race and Ethnicity ³ | 3 |
| Studies in the African Diaspora | | |
| ENG 463 | Studies in the Literature of Africa and the African Diaspora | 3 |
| FRN 440 | Francophone Cultures and Civilizations ³ | 3 |
| HST 310 | African American History to 1876 | 3 |
| HST 311 | African American History Since 1876 | 3 |
| HST 312 | African American Women | 3 |
| HST 383 | History of the Caribbean since 1500 | 3 |

| | | |
|----------|--|---|
| IAH 211C | Area Studies and Multicultural Civilizations: The Americas (D) ² | 4 |
| ISS 330C | Latin America: Social Science Perspective (I) ² | 4 |
| SOC 215 | Race and Ethnicity ³ | 3 |

4. **Independent Study, Research, and Fieldwork**
Three to 5 credits in a course that is related to one of the following activities:
- a research paper based on library research on or field work in Africa (3 credits).
 - community outreach activities on Africa-related projects in Michigan (3 credits).
 - an internship or field work related to Africa, or study in Africa (3 to 5 credits).

¹ In certifying the completion of the requirements for the Specialization in African Studies, a given course shall be counted only once.

² Only *one* of the following courses may be used to satisfy the requirements for the Specialization in African Studies: Integrative Studies in Arts and Humanities 211A, 211C; Integrative Studies in Social, Behavioral, and Economic Sciences 310, 330A, 330C. That course may also be used to satisfy university requirements.

³ This course may be counted toward the requirements for the Specialization in African Studies **only** if the topic is specifically related to or focused on Africa *and* the undergraduate advisor for African studies has approved the counting of the related credits toward the requirements for the specialization.

⁴ In addition to courses in Swahili and Arabic, courses in Hausa are currently being offered.

SPECIALIZATION IN ASIAN PACIFIC AMERICAN STUDIES

The Specialization in Asian Pacific American Studies, which is administered by the College of Social Science, is available as an elective to students enrolled in bachelor's degree programs at Michigan State University. Although the specialization complements a number of major fields, students who plan graduate study related to the social sciences, ethnic studies, literature, media studies, or history may find this specialization appealing. Students interested in pursuing professional training in business administration and management, city and regional planning, counseling, education, law, library and information science, public health, and social welfare may also be interested.

The specialization is designed to focus on social and cultural history and contemporary issues relating to Asian Pacific Americans, a diverse group who come from varying class, ethnic, religious, and national backgrounds. The specialization incorporates an interdisciplinary approach to issues and populations in the United States and includes exposure to current research, case studies, and contact with local communities.

Students who are interested in this specialization must contact the coordinator for the Specialization in Asian Pacific American Studies. The student's program of study for the specialization must be approved in advance and in writing by the coordinator for Asian Pacific American Studies. With the approval of the department and college that administer the student's degree program, courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for a bachelor's degree. Certain courses in the specialization may require approval of the department or college that administers the course, and enrollment in a specific section as approved by the coordinator of the specialization. Some requirements may be fulfilled by other courses, if approved in advance by the coordinator of Asian Pacific American Studies. A list of approved courses is available from the coordinator.

Requirements for the Specialization in Asian Pacific American Studies

CREDITS
15 to 23

Students must complete:

- Core Courses** (6 to 9 credits)
 - The following course:
SSC 291 Introduction to Asian Pacific American Studies 1
 - One of the following courses:
HST 319 Asian American History 3
IAH 207 Literatures, Cultures, Identities (I) 4
IAH 211C Area Studies and Multicultural Civilizations:
The Americas (D) 4
ISS 335 National Diversity and Change: United States (N) 4
RCAH192 First Year Seminar (D) 2
Integrative Studies in the Arts and Humanities 207 may not be used to fulfill both requirement 1.b. and 1.c.
 - One of the following courses:
ANP 330 Race, Ethnicity and Nation: Anthropological Approaches to Collective Identity 3
IAH 207 Literatures, Cultures, Identities (I) 4
MC 281 Immigrants, Minorities, and American Pluralism 4
MC 385 Comparative Race and Ethnic Relations 4
RCAH111 Writing in Transcultural Contexts 3
SOC 215 Race and Ethnicity 3
WRA 125 Writing: The American Ethnic and Racial Experience⁴
Integrative Studies in the Arts and Humanities 207 may not be used to fulfill both requirement 1.b. and 1.c.
- Two of the following courses (6 to 9 credits):
ANP 434 Contemporary Issues in Asian America (D) 3
ANP 437 Asian Emigrant Communities: A Global Perspective (D) 3
ENG 352 Asian American Writing 3
ENG 361 Asian Literature in English or in English Translation 3
ENG 431A Studies in Ethnic Film 4
ENG 464 Studies in the Literature of Asia and the Asian Diaspora (W) 3
FCE 442 Ethnic Families in America 3
HST 319 Asian American History 3
MC 391 Selected Topics in Public Affairs 3
MC 498 Senior Seminar in Social Relations (W) 5
SOC 499 Social Issues and Change in Contemporary Society (W) 3
SW 492 Seminar in Social Work 3
WRA 444 Writing in American Cultures 3
- Capstone and Enrichment Courses** (3 to 5 credits)
One of the following:
 - Internship**
SSC 493 Social Science Internship 3
The internship (or other approved internship) should focus on experiential learning related to the Asian Pacific American community. Any core faculty member affiliated with the specialization can supervise the internship.
 - Heritage Courses** (3 to 5 credits)
Heritage courses focus on Asian populations in their countries of origin, rather than in a United States or other diasporic context outside of their homeland. A substantial amount of content is on Asia. An approved list of courses is available from the coordinator of the specialization.
 - Asian Language Courses** (3 to 5 credits)
Only second-year and above Asian language courses will count toward the specialization. An approved list of courses is available from the coordinator of the specialization.

Other options such as study abroad, domestic study away courses, and independent study to conduct a research project are available if they are approved in advance by the coordinator of the specialization.

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Specialization in Asian Studies

SPECIALIZATION IN ASIAN STUDIES

The Specialization in Asian Studies, which is administered by the College of Social Science, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. Although the specialization complements a number of major fields, students who plan graduate study related to Asia or who wish to pursue careers in government or with corporations in Asia may find the specialization particularly appealing. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree. Courses taken in a Michigan State University Study Abroad program in Asia may be counted toward the specialization with the permission of the Director of the Asian Studies Center and the student's advisor.

The Specialization in Asian Studies provides an opportunity for students to create a multidisciplinary specialty with Asia as the focus. The undergraduate advisor for Asian Studies, located in Room 110 International Center, assists the student in planning a program of study that is tailored to the student's interests, disciplinary major, and career objectives. The student's program of study for the specialization must be approved in advance and in writing by the advisor for Asian Studies.

Requirements for the Specialization in Asian Studies¹

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| 1. The student must complete <i>one</i> of the following options. | | CREDITS |
| a. | Language Emphasis (32 to 35 credits): | |
| | Core - at least one course | 3 or 4 |
| | Chinese or Japanese language-fulfillment of second-year competency | 20 |
| | Thematic Concentration - at least two courses | 6 to 8 |
| | Independent study course culminating in a research paper | 3 |
| b. | General Emphasis (21 to 29 credits): | |
| | Core - at least one course | 3 or 4 |
| | Thematic Concentration - select <i>one</i> of the following: | |
| | (1) at least five courses in the Thematic Concentration selected from two different departments | 15 to 20 |
| | (2) at least three courses in the Thematic Concentration selected from two different departments <i>and</i> a maximum of 10 credits in an Asian language | 15 to 22 |
| | Independent study course culminating in a research paper | 3 |
| 2. | The courses used to fulfill either option are listed below: | |
| a. | Core courses (select one): | |
| | IAH 211B Area Studies and Multicultural Civilizations: Asia (I) ² | 4 |
| | IAH 211C Area Studies and Multicultural Civilizations: The Americas (D) ² | 4 |
| | ISS 210 Society and Individual (D) ² | 4 |
| | ISS 315 Global Diversity and Interdependence (I) ² | 4 |
| | ISS 330B Asia: Social Science Perspectives (I) ² | 4 |
| | TE 311 Growing Up and Coming of Age in Three Societies (D) | 3 |
| b. | Language courses (see item 1. for credit requirement): | |
| | ASN 290 Independent Study | 1 to 6 |
| | ASN 291 Special Topics in Asian Languages | 1 to 4 |
| | ASN 401 East Asian Cultures (W) | 3 |
| | ASN 464 Studies in the Literature of Asia and the Asian Diaspora (W) | 3 |
| | ASN 490 Independent Study | 1 to 6 |
| | ASN 491 Special Topics in Asian Languages | 1 to 6 |
| | CHS 101 Elementary Chinese I ³ | 5 |
| | CHS 102 Elementary Chinese II ³ | 5 |
| | CHS 105 Introductory Chinese with Business Emphasis | 5 |
| | CHS 201 Second-Year Chinese I ³ | 5 |
| | CHS 202 Second-Year Chinese II ³ | 5 |
| | CHS 301 Third-Year Chinese I ³ | 4 |
| | CHS 302 Third-Year Chinese II ³ | 4 |
| | CHS 350 Studies in the Chinese Language | 3 |
| | CHS 401 Fourth-Year Chinese I ³ | 3 |
| | CHS 402 Fourth-Year Chinese II ³ | 3 |
| | CHS 499 Senior Thesis Research | 1 to 4 |
| | JPN 101 Elementary Japanese I ³ | 5 |
| | JPN 102 Elementary Japanese II ³ | 5 |
| | JPN 113 Elementary Japanese II A | 3 |
| | JPN 114 Elementary Japanese II B | 3 |
| | JPN 201 Second-Year Japanese I ³ | 5 |
| | JPN 202 Second-Year Japanese II ³ | 5 |
| | JPN 301 Third-Year Japanese I ³ | 4 |
| | JPN 302 Third-Year Japanese II ³ | 4 |
| | JPN 350 Studies in Japanese Language | 3 |
| | JPN 401 Fourth-Year Japanese I ³ | 3 |

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|----------|---|--------|
| JPN 402 | Fourth-Year Japanese II ³ | 3 |
| JPN 499 | Senior Thesis Research | 1 to 4 |
| c. | Thematic Concentration courses (see item 1. for credit requirement): | |
| | Department of Anthropology | |
| ANP 201 | Sociocultural Diversity ⁴ | 3 |
| ANP 414 | Anthropology of South Asia | 3 |
| ANP 415 | China: Culture and Society | 3 |
| | Department of Art, Art History, and Design | |
| HA 260 | East Asian Art | 3 |
| HA 462 | The Arts of China | 4 |
| HA 463 | Japanese Art | 4 |
| | Department of Economics | |
| EC 340 | Survey of International Economics ⁴ | 3 |
| EC 385 | International Labor Market Policy and Labor Relations ⁴ | 3 |
| EC 410 | Issues in Economics of Developing Countries ⁴ | 3 |
| EC 413 | Economic Analysis of Asia | 3 |
| | Department of English | |
| ENG 130 | Film and Society ⁴ | 3 |
| ENG 352 | Asian American Writing | 3 |
| ENG 360 | Postcolonial Literature and Theory ⁴ | 3 |
| ENG 361 | Asian Literature in English or in English Translation | 3 |
| ENG 431B | Third World Cinema | 4 |
| ENG 436B | Comparative Fiction: Non-Western ⁴ | 3 |
| ENG 464 | Studies in the Literature of Asia and the Asian Diaspora (W) | 3 |
| | Department of Geography | |
| GEO 337 | Geography of East Asia | 3 |
| | Department of History | |
| HST 201 | Historical Methods and Skills | 3 |
| HST 201H | Historical Methods and Skills for Honors Students | 3 |
| HST 209 | Traditional East Asia | 4 |
| HST 210 | Modern East Asia | 4 |
| HST 319 | Asian American History | 3 |
| HST 367 | Imperial China | 3 |
| HST 368 | China since 1900 | 3 |
| HST 369 | Japan to 1800 | 3 |
| HST 370 | Japan since 1800 | 3 |
| HST 393 | History of India | 4 |
| HST 451 | Special Topics in Asian History | 3 |
| HST 485 | Seminar in Asian History (W) | 3 |
| | Department of Human Environment and Design | |
| HED 465 | International Consumer Distribution Systems ⁴ | 3 |
| HED 471 | International Buying and Product Development ⁴ | 3 |
| | James Madison College | |
| MC 220 | International Relations I: World Politics and International Security ⁴ | 4 |
| MC 320 | Politics, Society and Economy in the Third World ⁴ | 4 |
| MC 324D | Regional Politics, Cooperation and Conflict in Asia | 4 |
| MC 492 | Senior Seminar in International Relations ⁴ (W) | 5 |
| | School of Music | |
| MUS 425 | Music of South Asia and Its Diaspora | 2 |
| MUS 429 | Music of East and Southeast Asia | 2 |
| | Department of Political Science | |
| PLS 342 | Comparative Political Economy ⁴ | 3 |
| PLS 344 | Politics in the Third World ⁴ | 3 |
| PLS 353 | Politics of Japan | 3 |
| PLS 354 | Politics of Asia | 3 |
| | Department of Religious Studies | |
| REL 330 | Islam | 4 |
| REL 340 | Hinduism | 4 |
| REL 350 | Buddhism in South Asia | 3 |
| REL 355 | Southeast Asian Religions | 3 |
| | Women's Studies Program | |
| WS 403 | Women and Change in Developing Countries | 3 |
| WS 491 | Special Topics | 3 |
| d. | Independent Study (3 credits): | |
| | At least 3 credits of an independent study course approved in advance by the undergraduate advisor for Asian Studies. While enrolled in this course, the student must submit a substantial senior research paper on Asia based on primary sources, library research, or field work in Asia. | |

¹ With the approval of the undergraduate advisor for Asian Studies, courses other than those listed below may be counted toward the requirements for the Specialization in Asian Studies.

² This course may also be used to satisfy university requirements.

³ In order for Chinese or Japanese language courses to be counted toward the requirements for the Specialization in Asian Studies, the student must complete two sequential courses in a language. A maximum of 10 credits in Chinese or Japanese language courses may be used to satisfy the requirements for the General Emphasis.

⁴ Allowable when taught with substantial Asian content.

SPECIALIZATION IN CANADIAN STUDIES

The Specialization in Canadian Studies is designed for students who plan careers with an international orientation focused on inter-American relations involving Canada. The specialization provides an opportunity for students to increase their understanding of:

1. the processes of social, economic, political, and cultural change in Canada and in Canada's international relations.
2. how the structure of the contemporary world system influences Canadian affairs.
3. how culture shapes the process of national development in one of the major world regions.

Multidisciplinary in theory and practice, the specialization is based on the methodologies, theories, and literatures of the social sciences and liberal arts. It involves faculty from the social sciences, arts, languages, and applied professional fields.

The specialization is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. The specialization is administered by the College of Social Science.

With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree.

Students who elect the specialization are encouraged to study French or another language spoken by a significant minority in Canada.

The academic advisor for Canadian studies in the College of Social Science, located in Room 205 South Kedzie Hall, coordinates the specialization on behalf of the Dean. That advisor assists the student in planning a program of study that is tailored to the student's interests, disciplinary major, and career objectives. The student's program of study for the specialization must be approved **in advance and in writing** by both the advisor for Canadian studies and the Associate Dean for Academic and Student Affairs in the College of Social Science.

Requirements for the Specialization in Canadian Studies

The student must complete a minimum of 18 credits at the 200 level or above, distributed as follows:

- | | CREDITS |
|--|---------|
| 1. Core courses: | 10 |
| a. The following course: | |
| ISS 336 Canada: Social Science Perspectives (I) | 4 |
| Integrative Studies in Social, Behavioral and Economic Sciences 336 may be used to satisfy both the requirements for the Specialization in Canadian Studies and university requirements. | |
| b. Six credits from the following courses: | |
| ENG 465 Canadian Literature | 3 |
| GEO 230 Geography of United States and Canada | 3 |
| HST 329 History of Canada | 3 |
| 2. Eight additional credits in courses relevant to Canadian studies including 4 credits related to one of the following options: | |
| a. A study abroad experience. | |
| b. An internship with a public or private sector agency or organization. | |

SPECIALIZATION IN GENDER AND GLOBAL CHANGE

The Specialization in Gender and Global Change, which is administered by the College of Social Science, is available as an elective to students enrolled in bachelor's degree programs at Michigan State University other than students enrolled in the Bachelor of Science and/or Bachelor of Arts Degree programs in Global and Area Studies-Social Science. The specialization provides students with an opportunity to study gender relations in the contexts of global political, economic, environmental, and social changes. The specialization is designed for students who wish to increase their understanding of global transformations and their impact on women and gender relations internationally. Students

will study diverse issues such as gender and health, human rights and justice, gender and environment, and feminist theory in an international context. This specialization complements students' majors and current areas of interest and prepares them for graduate studies and employment. Students interested in enrolling in the specialization must have their specialization program of study approved by the Director of the Women and International Development program who serves as the specialization advisor.

Requirements for the Specialization in Gender and Global Change

A minimum of 18 credits is required for the specialization.

1. **Core Courses.** Complete two of the following courses. Both courses must be from different departments, and at least one must be at the 300-level or above. (minimum of 6 credits)

| | CREDITS |
|---|---------|
| <i>Anthropology</i> | |
| ANP 220 Gender Relations in Comparative Perspective | 3 |
| <i>James Madison College</i> | |
| MC 386 Women and Power in Comparative Perspective | 4 |
| <i>Sociology</i> | |
| SOC 216 Sex and Gender | 3 |
| <i>Women, Gender and Social Justice</i> | |
| WS 201 Introduction to Women's Studies | 4 |
| WS 202 Introduction to Contemporary Feminist Theories | 3 |
| WS 401 Feminist Theory | 4 |
| WS 403 Women and Change in Developing Countries | 3 |

2. **Elective Courses.** Complete a minimum of three courses. Not more than two courses may be from the same department. At least one course must be at the 300-level or above. No course may be used to satisfy both the core course and elective requirements.

| | |
|--|---|
| <i>Anthropology</i> | |
| ANP 220 Gender Relations in Comparative Perspective | 3 |
| ANP 270 Women and Health: Anthropological and International Perspectives | 3 |
| ANP 330 Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity | 3 |
| ANP 370 Culture, Health, and Illness | 3 |
| ANP 430 Culture, Resources, and Power | 3 |
| ANP 431 Gender, Environment, and Development | 3 |
| ANP 439 Human Rights: Anthropological Perspectives (D) | 3 |
| <i>Fisheries and Wildlife</i> | |
| FW 211 Introduction to Gender and Environmental Issues | 3 |
| <i>History</i> | |
| HST 412 Women in Modern European History | 3 |
| HST 420 History of Sexuality since the 18 th Century | 3 |
| <i>James Madison College</i> | |
| MC 386 Women and Power in Comparative Perspective | 4 |
| MC 482 Gender and Violent Conflict | 4 |
| <i>Women, Gender and Social Justice</i> | |
| WS 403 Women and Change in Developing Countries | 3 |
| WS 404 Women and Law in the United States | 3 |

A list of other courses which may be appropriate as electives are available from the Director of Women and International Development.

3. **Capstone Experience.** Complete the following course (3 credits):

| | |
|--|---|
| SSC 499 Directed Research in Interdisciplinary Studies in Social Science (W) | 3 |
|--|---|

Students should enroll in the section on *Issues in International Development*.

SPECIALIZATION IN INTERNATIONAL DEVELOPMENT

The Specialization in International Development, which is administered by the College of Social Science, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. The specialization should be attractive to students who plan careers with an international orientation and who, therefore, wish to add a strong international dimension to their disciplinary majors. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree.

The Specialization in International Development is designed for students who wish to increase their understanding of the processes of continuity and change in various regions of the world, particularly Africa, Asia, Eastern Europe, and Latin America. The specialization provides an opportunity for students to learn how

SOCIAL SCIENCE
Specialization in International Development

the structure of the contemporary world system influences international relations and national development, as well as how culture shapes the process of national development in one of the major world regions. Multidisciplinary in theory and practice, the specialization is based on the methodologies, theories, and literatures of the social sciences and liberal arts and involves faculty from the social sciences, arts, languages, and applied professional fields.

The academic advisor for international development in the College of Social Science assists the student in planning a program of study that is tailored to the student's interests, disciplinary major, and career objectives. The student's program of study for the specialization must be approved in advance and in writing by the advisor for international development.

Requirements for the Specialization in International Development

The student must meet the requirements specified below:

| | CREDITS |
|---|---------|
| 1. Complete a minimum of 18 credits in courses at the 200 level or above excluding any credits in courses that are used to satisfy the Foreign Language Proficiency requirement referenced in item 2. below. Not more than 4 of the 18 credits may be in 200-level courses. | |
| 2. Foreign Language Proficiency: Demonstrate proficiency in a modern foreign language equivalent to four semesters of study at the university level. The results of the Michigan State University foreign language placement test will be considered in determining whether or not the student has fulfilled this requirement. The student is encouraged to complete a fifth semester of study in the language that focuses on the culture, history, and literature of a developing region of the world. | |
| 3. Conceptual/Descriptive Courses: Complete at least one of the following courses (3 or 4 credits): | |
| ANP 322 Peasants and Social Change in the Developing World | 3 |
| ANP 470 Food, Hunger, and Society | 3 |
| EC 410 Principles of Economic Development | 3 |
| EEO 260 World Food, Population and Poverty | 3 |
| ISS 315 Global Diversity and Interdependence (I) | 4 |
| MC 320 Politics, Society and Economy in the Third World | 4 |
| PLS 344 Politics in the Third World | 3 |
| SOC 362 Developing Societies | 3 |
| 4. Applied Courses: Complete at least one of the following courses that is a field other than the student's major (2 or 3 credits): | |
| ANP 370 Culture, Health, and Illness | 3 |
| ANR 481 Agricultural Research Systems in Developing Countries | 2 |
| ANS 480 Animal Systems in International Development | 3 |
| EC 411 Issues in Economic Development | 3 |
| FOR 450 Forestry in International Development | 3 |
| FSM 462 Agricultural Development in Less Developed Countries | 3 |
| GEO 435 Geography of Health and Disease | 3 |
| GEO 445 Environment and Development Policy | 3 |
| PLS 342 Comparative Political Economy | 3 |
| SOC 452 Environment and Society | 3 |
| UP 408 Comparative Urban Development Planning | 3 |
| WS 403 Women and Change in Developing Countries | 3 |
| 5. International Area Courses: Complete at least one course in any one of the following four geographic areas (3 or 4 credits): | |
| Africa and the Middle East | |
| ANP 416 Anthropology of Southern Africa | 3 |
| ANP 417 Anthropology of East Africa | 3 |
| EC 414 Economic Analysis of Sub-Saharan Africa | 3 |
| GEO 338 Geography of Africa | 4 |
| HST 208 The African Experience | 4 |
| HST 361 African History since 1800 | 3 |
| HST 364 Southern Africa since 1800 | 3 |
| HST 373 The Middle East 1250-1914 | 3 |
| HST 484 Seminar in African History (W) | 3 |
| ISS 330A Africa: Social Science Perspectives (I) | 4 |
| MC 324A Regional Politics, Cooperation, and Conflict in the Middle East | 4 |
| MC 324B Regional Politics, Cooperation, and Conflict in Sub-Saharan Africa | 4 |
| PLS 351 African Politics | 3 |
| Asia | |
| ANP 413 Cultures of Southeast Asia | 3 |
| ANP 414 Anthropology of South Asia | 3 |
| ANP 415 China: Culture and Society | 3 |
| EC 413 Economic Analysis of Asia | 3 |
| GEO 337 Geography of East Asia | 3 |
| HST 368 China since 1900 | 3 |
| HST 485 Seminar in Asian History (W) | 3 |
| ISS 330B Asia: Social Science Perspectives | 4 |

| | |
|--|---|
| MC 324D Regional Politics, Cooperation and Conflict in Asia | 4 |
| PLS 354 Politics of Asia | 3 |
| Eastern Europe | |
| EC 406 Economic Analysis of the Soviet Union and Transition Economy | 3 |
| HST 342 Eastern Europe | 3 |
| HST 344 Russia and the Twentieth Century | 3 |
| Latin America and the Caribbean | |
| ANP 410 Revolution and Social Change in Latin America | 3 |
| EC 412 Economic Analysis of Latin America | 3 |
| GEO 335 Geography of Latin America | 3 |
| HST 381 Latin America since 1820 | 3 |
| HST 382 History of Brazil since 1822 | 3 |
| HST 384 History of Mexico since 1810 | 3 |
| HST 385 Modern Spanish Central and South America | 3 |
| HST 486 Seminar in Latin American History (W) | 3 |
| ISS 330C Latin America: Social Science Perspectives (I) | 4 |
| MC 324C Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean | 4 |
| 6. Field Experience, Internship, Thesis, or Independent Study (3 or 4 credits): Complete one of the following three options: | |
| a. An overseas field experience or internship in one of the four geographic areas listed in item 5. above. | |
| b. A domestic internship that involves working on local development issues. | |
| c. A thesis or independent study under the direction of a faculty member. | |
| 7. Senior-level Seminar or Capstone Course (3 or 4 credits). Complete one course with significant international development content. | |

Only **one** of the following four courses may be used to satisfy the requirements for the international development specialization: Integrative Studies in Social, Behavioral, and Economic Sciences 315, 330A, 330B, or 330C. That course may also be used to satisfy university requirements.

SPECIALIZATION IN LATIN AMERICAN AND CARIBBEAN STUDIES

The Specialization in Latin American and Caribbean Studies, which is administered by the College of Social Science, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. Although the specialization complements a number of major fields, students who plan graduate study related to Latin America and the Caribbean, or who wish to pursue careers in the Foreign Service or with corporations in those geographic areas, may find the specialization particularly appealing. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree.

The Specialization in Latin American and Caribbean Studies provides an opportunity for students to create a multidisciplinary specialty with Latin America and the Caribbean as the focus.

The undergraduate advisor for Latin American and Caribbean studies in the College of Social Science, located in Room 300 International Center, assists the student in planning a program of study that is tailored to the student's interests, disciplinary major, and career objectives. The student's program of study for the specialization must be approved in advance and in writing by the undergraduate advisor for Latin American and Caribbean studies.

Requirements for the Specialization in Latin American and Caribbean Studies

The student must complete a total of 24 credits as specified below:

| | CREDITS |
|---|---------|
| 1. Demonstrate proficiency in Spanish or Portuguese equivalent to two years of study at the university level. The results of the Michigan State University foreign language placement test will be considered in determining whether or not the student has fulfilled this requirement. | |
| 2. Complete a minimum of 14 credits in courses from at least three of the departments listed below: | |

| | | |
|---|---|---|
| Department of Anthropology | | |
| ANP 410 | Revolution and Social Change in Latin America | 3 |
| ANP 453 | Mesoamerican Archaeology | 3 |
| Department of Art, Art History, and Design | | |
| HA 444 | Latin American and Latino Art | 3 |
| Department of Economics | | |
| EC 412 | Economic Analysis of Latin America | 3 |
| Department of Geography | | |
| GEO 335 | Geography of Latin America | 3 |
| Department of History | | |
| HST 380 | Colonial Latin America | 3 |
| HST 381 | National Latin America | 3 |
| HST 382 | Modern Brazil | 3 |
| HST 383 | The Caribbean | 3 |
| HST 384 | Modern Mexico | 3 |
| HST 385 | Modern Spanish Central and South America | 3 |
| HST 486 | Seminar in Latin American History | 3 |
| Integrative Studies in Arts and Humanities | | |
| IAH 211C | Area Studies in the Americas | 4 |
| Integrative Studies in the Social, Behavioral and Economic Sciences | | |
| ISS 330C | Latin America: Social Science Perspectives | 4 |
| James Madison College | | |
| MC 324C | Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean | 4 |
| School of Journalism | | |
| JRN 391 | Current Issues in Journalism | 3 |
| To be counted toward the requirements for the specialization, the content of Journalism 391 must be specifically related to or focused on Latin America or the Caribbean. | | |
| School of Music | | |
| MUS 430 | Music of the Caribbean | 2 |
| Department of Political Science | | |
| PLS 352 | Latin American Politics | 3 |
| Department of Spanish and Portuguese | | |
| PRT 340 | Topics in Luso-Brazilian Language and Culture | 3 |
| SPN 432 | Latin America and its Literature | 3 |
| SPN 472 | Topics in Literature of the Americas | 3 |
| 3. | Complete at least 6 additional credits from the courses listed in item 2. above or with the approval of the undergraduate advisor for Latin American and Caribbean studies, other courses having substantial Latin American or Caribbean content may be used to satisfy this requirement. | |
| 4. | Complete at least 4 credits of advanced study courses approved by the undergraduate advisor for Latin American and Caribbean Studies. At least 2 credits of advanced study must be earned through enrollment in Anthropology 491 Latin American and Caribbean Studies Seminar. An additional 2 credits may be completed by repeating Anthropology 491 or completion of advanced study such as independent study, research, or guided reading. | |

SPECIALIZATION IN CHICANO/LATINO STUDIES

The Specialization in Chicano/Latino Studies, which is administered by the College of Social Science, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. Although the specialization complements a number of major fields, students who plan graduate study related to the social sciences or who wish to pursue careers in education, social work, government or businesses that serve mixed ethnic communities may find the specialization particularly appealing. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree.

The Specialization in Chicano/Latino Studies is designed to help students to understand the multicultural dimensions of society; to gain a knowledge of Chicano/Latino scholarship and scholars; and to apply that knowledge to the study of Chicano/Latino communities and life. The specialization draws on research, teaching, and community service among Chicano/Latinos that:

1. Focuses intensively on the histories of different racial and cultural sub-groups of Latinos.
2. Draws larger theoretical lessons from comparisons among these groups and between non-Latino populations.
3. Seeks to articulate general principles that shape racial and ethnic relations.
4. Explores how ethnic identity is constructed and reconstructed over time.
5. Develops methodologies and principles which empower students to enhance leadership and human relations within diverse communities of peoples and conditions.

Students wishing to be advised should consult the Director of the Chicano/Latino specialization in 200 S. Kedzie Hall. The Director, in conjunction with the advisor, assists the student in planning a program of study that is tailored to the student's interests, disciplinary major, and career objectives. The student's program of study for the specialization must be approved in **advance and in writing** by both the advisor for Chicano/Latino studies and the Associate Dean for Academic and Student Affairs in the College of Social Science.

Requirements for the Specialization in Chicano/Latino Studies

| | |
|--|---------|
| | CREDITS |
| The student must complete a total of 20 credits including: | |
| 1. Both of the following courses: | 8 |
| IAH 211C Area Studies and Multicultural Civilizations: The Americas (D) | 4 |
| ISS 335 National Diversity and Change: United States (N) | 4 |
| These courses must focus on Chicano/Latino content. | |
| 2. Three of the following courses: | 9 |
| ANP 412 Social and Cultural Status of Latinos in the U.S. | 3 |
| ENG 351 Chicano and Latino Literatures in English | 3 |
| FCE 442 Ethnic Minority Families in America | 3 |
| HST 327 History of Mexican Americans in the United States | 3 |
| HST 383 The Caribbean | 3 |
| HST 385 Modern Spanish Central and South America | 3 |
| SOC 215 Race and Ethnicity | 3 |
| SPN 345 Spanish American Culture | 3 |
| SPN 346 Hispanic Cultures in the United States | 3 |
| SPN 485 Topics in Hispanic Literatures of the Americas | 3 |
| This requirement may be fulfilled by other courses with a Chicano/Latino focus, if approved in advance by the Coordinator of Chicano/Latino studies and the advisor. The courses must deal with ethnicity, race, gender, and inequality. To qualify for inclusion, at least one-fourth of the content of the course must focus specifically on Chicano/Latinos in the United States. Typically, courses in the College of Agriculture and Natural Resources, Arts and Letters, and Social Science are used to satisfy the requirement. A list of approved courses is available from the advisor. | |
| 3. One of the following three options: | 3 |
| a. A supervised internship relevant to Chicano/Latino studies with a public or private agency or organization. To satisfy this option, the student must complete one course of at least 3 credits approved in advance by the Coordinator and the advisor for Chicano/Latino studies. | |
| b. Directed study abroad relevant to Chicano/Latino studies. To satisfy this option, the student must complete one course of at least 3 credits approved in advance by the Coordinator and the advisor for Chicano/Latino studies. | |
| c. A research experience relevant to Chicano/Latino studies. To satisfy this option, the student must complete one course of at least 3 credits approved in advance by the Associate Dean in the College of Social Science. | |

SPECIALIZATION IN PEACE AND JUSTICE STUDIES

The Specialization in Peace and Justice Studies, which is administered by the College of Social Science, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. The specialization is devoted to analyzing the causes and manifestations of violence, war, oppression, and injustice and to studying and working toward theoretical and practical alternatives, locally and globally, to create a more peaceful and just world. The specialization complements a wide range of majors and is especially suited for students who plan to include peace and justice issues in their study of law, in international service, or as a member of society.

With the approval of the department and the college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree.

The Specialization in Peace and Justice Studies includes course work, a capstone paper, and electives such as an internship, study abroad, service learning, and independent study. Students in this specialization will focus on the exploration of such interdisciplinary topics as environmental justice, representative

SOCIAL SCIENCE

Specialization in Peace and Justice Studies

democracy and globalism, morality and ethics, conflict resolution, human rights and humanitarian law.

The undergraduate advisor for the Peace and Justice specialization is located in the College of Social Science and will assist the student in planning a program of study tailored to the student's interests, major, and career objectives. The undergraduate advisor for the specialization must approve the student's program of study in writing.

Requirements for the Specialization in Peace and Justice Studies

All courses must be approved by the undergraduate advisor for Peace and Justice Studies before enrollment.

1. The student must complete the following (15 credits):
 - a. **Core Course** (3 credits). One 400-level course focusing on basic concepts and assumptions of peace and justice, contexts of violence and domination, alternatives to violence and domination, and peace and justice as a practice.
 - b. Complete the following (12 credits):
 - (1) At least nine credits at the 300-400 level.
 - (a) at least three of these credits must be in a subject outside the student's major.
 - (2) Two courses focusing on themes of violence and domination and/or justice and domination.
 - c. **Capstone Paper**. This paper may derive from one of the courses completed for requirements 1.a. or 1.b. It is intended to synthesize themes the student examined in the specialization. A faculty member affiliated with the Specialization in Peace and Justice Studies must approve the paper and inform the undergraduate advisor for Peace and Justice Studies of its satisfactory completion.
2. **Electives**. (1 to 3 credits) An internship, study abroad course, service learning option or independent study. These may be counted toward requirement 1.b. above.

TEACHER CERTIFICATION OPTIONS

Teacher certification can be attained through the Child Development, History, or Interdisciplinary Studies in Social Science: Social Science Education major. Students who elect the Interdisciplinary Studies in Social Science: Social Science Education major for teacher certification must contact the Interdisciplinary Studies in Social Science office.

The following minors in the College of Social Science also are available for teacher certification: economics, geography, history, political science, psychology, and sociology. Students who elect one of these minors for teacher certification must contact the department in which the minor is based.

For more information, refer to the statement on the major referenced above and to the statement on *TEACHER CERTIFICATION* in the *Department of Teacher Education* section of this catalog.

GRADUATE STUDY

Units within the College of Social Science offer programs leading to degrees of Master of Arts, Master of International Planning Studies, Master of Labor Relations and Human Resources, Master of Public Policy, Master of Science, Master of Social Work, Master of Urban and Regional Planning, and Doctor of Philosophy.

The following dual degree programs are co-sponsored by the College of Social Science and Michigan State University College

of Law: M.A. in Political Science and J.D., Ph.D. in Political Science and J.D., Master of Labor Relations and Human Resources and J.D.

For information about the following interdisciplinary specializations, graduate certificates, and degree programs, see the referenced section of this catalog. The College of Social Science is lead sponsor of:

- (1) Graduate Specialization in Animal Studies: Social Science and Humanities for all master's and doctoral students at Michigan State University (see statement on this specialization in the *Department of Sociology* section)
 - (2) Interdepartmental Specialization in Applied Developmental Science, for master's or doctoral students in anthropology, geography, political science, psychology, sociology, or a MSW program in the School of Social Work (see statement on this specialization, below)
 - (3) Specialization in Infancy and Early Childhood, for master's or doctoral students in the departments of Anthropology, Psychology or Sociology, or MSW students in the School of Social Work (see statement on this specialization, below)
 - (4) Specialization in International Development, for all master's or doctoral students at Michigan State University (see statement on this specialization, below)
 - (5) Interdepartmental Specialization in Cognitive Science, for master's or doctoral students in Geography or Psychology (see statement on this specialization, below)
 - (6) Graduate Specialization in Environmental Policy for master's or doctoral students enrolled in master's or doctoral degree programs at Michigan State University (see statement on this specialization below)
 - (7) Graduate Specialization in Environmental Science and Policy for doctoral students enrolled in doctoral degree programs in departments and programs emphasizing environmental science and policy (see statement on this specialization, below)
 - (8) Specialization in Judicial Administration for all master's students at Michigan State University (see statement on this specialization in the *School of Criminal Justice* section)
 - (9) Graduate Specialization in Global Urban Studies, for doctoral students enrolled in doctoral degree programs at Michigan State University (see statement on this specialization below)
 - (10) Graduate Certificate in Chicano/Latino Studies, for graduate students enrolled in a graduate degree program at Michigan State University (see statement on this certificate below)
- The College of Social Science is a co-sponsor of:
- (1) Interdepartmental Ph.D. program in Ecology, Evolutionary Biology and Behavior for doctoral students in Anthropology or Psychology (see statement on this doctoral program in the *College of Natural Science* section)
 - (2) Specialization in Food Safety for master's students in Sociology (see statement on this specialization in the *College of Veterinary Medicine* section)
 - (3) Interdepartmental Ph.D. degree program in Neuroscience (see statement on this doctoral program in the *College of Natural Science* section)
 - (4) Specialization in Gender, Justice, and Environmental Change, for master's or doctoral students in the College of Social Science (see statement on this specialization in the *College of Agriculture and Natural Resources* section)
 - (5) Interdisciplinary Graduate Specialization in Women and Gender, which is administered by the Women's Studies Program, for master's or doctoral students (see statement on this specialization in the *College of Arts and Letters* section)
 - (6) Master of Arts degree program in Bioethics, Humanities, and Society (see statement on this master's program in the *College of Human Medicine* section)

- (7) Graduate Specialization in Food and Agricultural Standards for master's and doctoral students enrolled in master's and doctoral degree programs at Michigan State University (see statement on this specialization, below)

Requirements for the various degrees are summarized below. For complete requirements of any given program or degree, contact the appropriate unit in the college and see the *Graduate Education* section of this catalog. A student must meet the standards of the university, college, and unit.

Master of Arts

Most students in the College of Social Science pursue the Master of Arts degree, although several other master's degree programs are available through the college.

Requirements for the Degree

A maximum of 8 credits is allowed for thesis research.

Academic Standards

The accumulation of grades below 3.0 (including *N* grades in the P–N grading system) in more than two courses of three or more credits each removes the student from the degree program; this policy does not apply to courses below the 400 level unless the courses are required for the student's program.

Time Limit

The time limit for completion of the master's degree is six years from the beginning of the first semester in which credit was earned toward the degree.

Other Master's Degrees

Other degrees at the master's level offered by the college are listed below. For a description and summary of the requirements for each degree, consult the section of this catalog devoted to the appropriate department or school. The statements on Academic Standards and Time Limit for the Master of Arts degree also apply to all other master's degrees in the college.

| DEGREE | DEPARTMENT OR SCHOOL |
|---|---|
| Master of International Planning Studies | School of Planning, Design and Construction |
| Master of Human Resources and Labor Relations | School of Labor and Industrial Relations |
| Master of Science | Department of Geography, School of Criminal Justice |
| Master of Public Policy | Department of Political Science |
| Master of Social Work | School of Social Work |
| Master in Urban and Regional Planning | School of Planning, Design and Construction |

Doctor of Philosophy

The successful completion of the Doctor of Philosophy degree requires scholarly ability of a high order. Ph.D. degree programs, with emphasis on specialization and research, are offered in each of the departments in the College of Social Science.

Academic Standards

A doctoral student may earn grades below 3.0 (including *N* grades in the P–N grading system) in not more than two of the courses required by the guidance committee.

CHICANO/LATINO STUDIES

The Doctor of Philosophy degree program in Chicano/Latino Studies prepares scholars, researchers, and teachers in the social sciences and humanities to develop expertise in the historical and contemporary experiences of Chicanos and Latinos in their social, cultural, political, and economic contexts. The program emphasizes global, trans-disciplinary, comparative, and applied approaches to knowledge which enhance collaborative scholarly efforts within the university, peer educational institutions, and the broader community. It addresses Chicano and Latino experiences in home communities in the United States, and international dimensions and diaspora experiences involving communities in the United States, Latin America, and the Caribbean.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

Admission to the Doctor of Philosophy degree in Chicano/Latino Studies is based on an evaluation of the student's academic record. Applicants must have completed a bachelor's degree and a master's degree. Graduate Record Examination (GRE) General Test scores, letters of recommendation, written statements, and other information such as professional experience and related achievements. Applicants without master's degrees or sufficient course work may be admitted provisionally and be required to complete a specified number of collateral courses, not to count toward the degree, before regular admission is granted.

Guidance Committee

The graduate director will guide students in the selection of courses for the first year. By the end of the second semester of the first year, students should choose their major professor and their guidance committee. The committee shall consist of at least four members, at least two in Chicano/Latino Studies and up to two in related fields.

Requirements for the Doctor of Philosophy Degree in Chicano/Latino Studies

| | CREDITS |
|--|---------|
| 1. Students must complete 30 credits from the following: | |
| a. All of the following courses: | |
| CLS 810 Historiography and Social Science Methods in Chicano/Latino Studies | 3 |
| CLS 811 Literary and Cultural Theory in Chicano/Latino Studies | 3 |
| CLS 893E Readings in Chicano/Latino Studies | 1 to 4 |
| CLS 894 Fieldwork in Chicano/Latino Studies | 1 to 4 |
| CLS 896 Seminar in Chicano/Latino Studies | 3 |
| b. A minimum of 3 credits in research methods in an area of specialization. | |
| c. Electives from the following: American studies, anthropology, English, history of art, history, music, resource development, sociology, and Spanish. The course work must be selected from an approved course list in consultation with the student's guidance committee. | |
| 2. Complete Spanish, Nahuatl, or another Amerindian language to fulfill the language requirement. Demonstrate advanced reading proficiency by passing oral and written examinations. | |
| 3. Pass two comprehensive written examinations as arranged by the guidance committee, one in Chicano/Latino Studies and one in the student's area of specialization. | |
| 4. Complete 24 credits of CLS 999 Doctoral Dissertation Research. | |
| 5. Submit the dissertation proposal to the guidance committee and successfully pass the oral examination in defense of the dissertation. | |

SOCIAL SCIENCE
Graduate Study

GRADUATE CERTIFICATE IN CHICANO/LATINO STUDIES

The Graduate Certificate in Chicano/Latino Studies exposes students to methodologies specific to Chicano/Latino Studies, and to debates in the field that reflect larger transformations in United States culture and society. Students interested in research related to Chicanos and Latinos in the United States will find this certificate program of interest.

Admission

To be considered for admission to the Graduate Certificate in Chicano/Latino Studies, students must:

1. Have a bachelor's degree.
2. Be currently enrolled in a Michigan State University graduate degree program other than the Doctor of Philosophy degree program in Chicano/Latino Studies.
3. Have a minimum grade-point average of 3.0.

Requirements for the Graduate Certificate in Chicano/Latino Studies

| | CREDITS |
|---|---------|
| 1. Complete all of the following courses (9 credits): | |
| CLS 810 Historiography and Social Science: Methods in Chicano/Latino Studies | 3 |
| CLS 811 Literary and Cultural Theory in Chicano/Latino Studies | 3 |
| CLS 896 Seminar in Chicano/Latino Studies | 3 |
| 2. Complete 3 credits in related content from another department or graduate-level program as approved by the Chicano/Latino director. This requirement may be met by either: (1) a graduate-level course that includes at least 50% Chicano/Latino studies content, or (2) a graduate-level course in which the student completes a research assignment addressing a Chicano/Latino studies topic related to course content. | |

CENTER for INTEGRATIVE STUDIES in SOCIAL SCIENCE

Christina DeJong, Director

Integrative Studies is Michigan State University's unique approach to liberal general education, offering a core curriculum that complements specialized work by students in their majors. Integrative Studies courses integrate multiple ways of knowing and modes of inquiry and introduce students to important ways of thinking in the three core knowledge areas: the Arts and Humanities, the Biological and Physical Sciences, and the Social, Behavioral, and Economic Sciences. They assist students early during their study to develop as more critical thinkers. They also encourage appreciation of our humanity and creativity, human cultural diversity, the power of knowledge, and our responsibilities for ourselves and for our world.

Courses in Michigan State University's Integrative Studies Program are aimed at developing intellectual abilities, including critical thinking and interpretive skills. They help increase knowledge about other times, places, and cultures, key ideas and issues in human experience, and the scientific method and its usefulness in understanding the natural and social worlds. They are expected to enhance appreciation of the role of knowledge, and of values and ethics, in understanding human behavior and solving social problems. Finally, they help students recognize responsibilities and opportunities associated with democratic citizenship

and with living in an increasingly interconnected, interdependent world.

The Center for Integrative Studies in the Arts and Humanities in the College of Arts and Letters has primary responsibility for the Arts and Humanities area of Integrative Studies at Michigan State University.

The Center for Integrative Studies in General Sciences in the College of Natural Sciences has primary responsibility for Integrative Studies courses in the Biological and Physical Sciences at Michigan State University.

The Center for Integrative Studies in the Social Sciences in the College of Social Science has primary responsibility for Integrative Studies courses in the Social, Behavioral, and Economic Sciences at Michigan State University.

GLOBAL and AREA STUDIES-SOCIAL SCIENCE

UNDERGRADUATE PROGRAM

The global and area studies-social science major focuses on the study of global systems and processes as they are expressed in local places. The major offers concentrations in world regions and global topics. World region concentrations include African studies, Asian studies, European studies, Latin American and Caribbean studies, and Russian and Eurasian studies. Global topical concentrations include gender and global change, and international development.

In this major, students select a concentration to gain knowledge of a particular world region and a foreign language relevant to that region or of a global theme that is important across world regions. Students develop understanding of the processes of continuity and change in various world regions through multidisciplinary theory and practice and use of methodologies, theories, and literatures of various disciplines and fields. The major also requires a disciplinary cognate that introduces students to the major theories and research methods of one discipline in the social sciences and its perspective and applicability to global and area studies.

Students are strongly encouraged to have at least one international experience through study abroad, internships, or independent study. The major helps prepare students for jobs in government, business, and non-governmental organizations that are engaged with the world outside the United States and for graduate study in international or area studies and other fields.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Requirements for the Bachelor of Arts or Bachelor of Science Degree in Global and Area Studies

1. The graduation requirements of the University as described in the Undergraduate Education section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts or Bachelor of Science degree in Global and Area Studies-Social Science.
 - The University's Tier II writing requirement for the Global and Area Studies major is met by completing one of the following courses as specified below:
 - African Studies: One of the following courses: History 484, Political Science 461, or Social Science 499.
 - Asian Studies: One of the following courses: History 485 or Political Science 460.
 - Latin American and Caribbean Studies: One of the following courses: Geography 432 or History 486.
 - European Studies: One of the following courses: History 482 or 483, or Political Science 440 or 460.
 - Russian and Eurasian Studies: One of the following courses: History 483 or Political Science 460.

Gender and Global Change: One of the following courses: Geography 432, Political Science 461 or Social Science 499.

International Development: One of the following courses: Geography 432 or Social Science 499.

Credits applied toward the general education Integrative Studies requirement cannot be counted toward the total credits of the major or concentrations in the major. With the approval of a Global and Area Studies-Social Science advisor, students who change their major to Global and Area Studies-Social Science, or who seek to add Global and Area Studies-Social Science as an additional major, may request that courses used to fulfill the Integrative Studies requirement of the previous major be applied towards the completion of the Integrative Studies requirement for the Global and Area Studies-Social Science major.

2. The requirements of the College of Social Science for the Bachelor of Arts or Bachelor of Science degree. Students must choose from a list of approved courses available in the Center for Integrative Studies in Social Science in the College of Social Science.
3. Complete 6 to 8 credits of introductory and survey courses. Students must select two courses, one lower division and one upper division from a list available from the Global and Area Studies-Social Science advisor. One course must be in a discipline in the College of Social Science. No more than one course may be at the 100-level and no more than one may be from the same discipline. Courses used to satisfy the introductory and survey course requirement may not also be used to meet the requirements of a concentration.
4. Complete one of the following world region or global topical concentrations (minimum of 24 credits). The student's concentration must be approved by the Global and Area Studies-Social Science advisor.

World Region Concentrations

Each of the five world region concentrations requires second-year competency in a foreign language relevant to that region. Students may fulfill this language requirement by successfully completing Michigan State University courses or equivalent courses or language study at an approved intensive summer institute or approved study abroad program. This requirement may be satisfied by placing into a 300-level foreign language course based on a Michigan State University placement test. Students who come from other countries or cultures where a language other than English is spoken should contact the Global and Area Studies-Social Science advisor to discuss placement.

African Studies

Students must complete a minimum of 24 credits of non-language courses selected from the following:

1. Both of the following courses (8 credits):
IAH 211A Area Studies and Multicultural Civilizations: Africa (I) . . . 4
ISS 330A Africa: Social Science Perspectives (I) 4
Students who have completed one or both of these courses to fulfill their Integrative Studies requirement should select courses from the list of courses in items 2. and 3. in order to complete a minimum of 24 credits that can be counted toward the concentration.
2. Complete a minimum of 8 to 10 credits in three courses with not more than two courses in one of the following: anthropology, economics, English, geography, history, James Madison College, music, political science, or religious studies.
3. Complete a minimum of 6 to 8 credits in two elective courses from a list maintained by the Global and Area Studies-Social Science advisor. Students must obtain approval from the Global and Area Studies-Social Science advisor before enrolling in any elective courses to ensure sufficient focus on Africa.
4. Students must complete a 3-credit capstone experience including the writing of a research paper, via an independent study with a faculty member of the African Studies Center. The paper may be based on experience in a study abroad program, internship, or other experience in an African country. With approval of the Global and Area Studies-Social Science advisor, this requirement may be fulfilled by enrolling in Social Science 499.

Asian Studies

Students must complete a minimum of 24 credits of non-language courses selected from the following:

1. One of the following courses (8 credits):
IAH 204 Asia and the World (I) 4
IAH 211B Area Studies and Multicultural Civilizations: Asia (I) . . . 4
ISS 330B Asia: Social Science Perspectives (I) 4
Students who have completed one or both of these courses to fulfill their Integrative Studies requirement should select courses from the list of courses in item 2. in order to complete a minimum of 24 credits that can be counted toward the concentration.
2. Complete a minimum of 13 credits in five elective courses from a list maintained by the Global and Area Studies-Social Science advisor. At least two of the courses must be at the 300-level or above. Students must obtain approval from the Global and Area Studies-Social Science advisor before enrolling in any elective courses to ensure sufficient focus on Asia.

3. Students must complete a 3-credit capstone experience including the writing of a research paper, via an independent study with a faculty member of the Asian Studies Center. The paper may be based on experience in a study abroad program, internship, or other experience in an Asian country.

Latin American and Caribbean Studies

Students must complete a minimum of 24 credits of non-language courses selected from the following:

1. Two of the following courses (8 credits):
IAH 203 Latin America and the World (I) 4
IAH 211C Area Studies and Multicultural Civilizations:
The Americas (D) 4
ISS 330C Latin America: Social Science Perspectives (I) 4
Students who have completed one or both of these courses to fulfill their Integrative Studies requirement should select courses from the list of courses in items 2. and 3. in order to complete a minimum of 24 credits that can be counted toward the concentration.
2. Complete a minimum of 8 to 10 credits in three courses with not more than two courses in one of the following: anthropology, Arts and Letters, economics, history, history of art, Integrative Studies in Arts and Humanities, Integrative Studies in Social, Behavioral and Economic Sciences, James Madison College, journalism, music, political science, Portuguese, or Spanish.
3. Complete a minimum of 6 to 8 credits in two elective courses from a list maintained by the Global and Area Studies-Social Science advisor. Students must obtain approval from the Global and Area Studies-Social Science advisor before enrolling in any elective courses to ensure sufficient focus on Latin America.
4. Students must complete 2 credits by enrolling in Social Science 490 Special Topics in Social Science, section on Latin America and Caribbean Studies seminar.

European Studies

Students must complete a minimum of 24 credits of non-language courses selected from the following:

1. Social Science requirement (minimum of 9 credits). Students must see the Global and Area Studies-Social Science advisor for an approved listing of courses and must complete a minimum of three courses from at least two disciplines.
2. Humanities requirement (minimum of 9 credits). Students must see the Global and Area Studies-Social Science advisor for an approved listing of courses and must complete a minimum of three courses from at least two disciplines.
3. Students must complete a 3-credit capstone experience via an independent study by submitting a research paper on a topic related to Europe, via study abroad by submitting a research paper completed as part of a Michigan State University study abroad program in Europe, via an internship by submitting a research paper completed as part of a Michigan State University approved field experience or internship related to Europe, or by completing a capstone course including submission of a research paper on Europe completed as part of the course. The students capstone experience must be approved by the Global and Area Studies-Social Science advisor.

Russian and Eurasian Studies

Students must complete a minimum of 24 credits of non-language courses selected from the following:

1. Social Science requirement (minimum of 9 credits). Students must see the Global and Area Studies-Social Science advisor for an approved listing of courses and must complete a minimum of three courses from at least two disciplines.
2. Humanities requirement (minimum of 9 credits). Students must see the Global and Area Studies-Social Science advisor for an approved listing of courses and must complete a minimum of three courses from at least two disciplines.
3. Students must complete a 3-credit capstone experience via independent study by submitting a research paper on a topic related to Russia or Eurasia, via study abroad by submitting a research paper completed as part of a Michigan State University study abroad program in Russia or Eurasia, via an internship by submitting a research paper completed as part of a Michigan State University approved field experience or internship related to Russia or Eurasia, or by completing a capstone course including submission of a research paper on Russia or Eurasia completed as part of the course. The students capstone experience must be approved by the Global and Area Studies-Social Science advisor.

Global Topical Concentrations

Each global topical concentration requires significant foreign language or international experience. Students may choose (1), (2), or (3) as follows: (1) second-year competency in a relevant foreign language. Students may fulfill this language requirement by successfully completing Michigan State University courses or equivalent courses or language study at an approved intensive

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summer institute or approved study abroad program. This requirement may be satisfied by placing into a 300-level foreign language course based on a Michigan State University placement test. Students who come from other countries or cultures where a language other than English is spoken should contact the Global and Area Studies-Social Science advisor to discuss placement; (2) a period of study, internship, or research experience in one or more developing countries, either a one-semester program or two programs of at least five weeks each, with a faculty sponsor. Students must consult the Global and Area Studies-Social Science advisor in advance to determine how the experience might meet the requirement of this concentration; (3) beginning-level competency in a foreign language by placing into a 200-level language course and an experience in a developing country of at least five weeks. Students must see the Global and Area Studies-Social Science advisor for a list of eligible developing countries.

Gender and Global Change

Students must complete a minimum of 24 credits of non-language courses selected from the following:

1. Complete a minimum 8 to 10 credits in three courses with not more than two in one of the following: anthropology, James Madison College, sociology, or women's studies. At least one course must be at the 300-level or above.
2. Complete four courses from one of the five following themes: Gender, Health, and Hunger; Gender and Environment; Global Feminisms; Gender, Nation, and Democracy; or Gender and Human Rights. An approved listing of courses is available from the Global and Area Studies-Social Science advisor.
3. Complete 3 credits of Social Science 499 Directed Research in Interdisciplinary Studies in Social Science (W) to fulfill the capstone requirement.

International Development

Students must complete a minimum of 24 credits of non-language courses selected from the following:

1. Complete a minimum of 8 to 10 credits in three courses with not more than two in one of the following: anthropology, economics, environmental economics and policy, geography, James Madison College, political science, sociology, or women's studies. At least two courses must be at the 300-level or above.
2. Complete four elective courses from a list maintained by the Global and Area Studies-Social Science advisor. No more than two of the courses may be in the same discipline.
3. Complete 3 credits of Social Science 499 Directed Research in Interdisciplinary Studies in Social Science (W) to fulfill the capstone requirement.

INTERDISCIPLINARY STUDIES IN SOCIAL SCIENCE

UNDERGRADUATE PROGRAMS

The College of Social Science explicitly recognizes that many important and rewarding areas for study do not fit neatly within the boundaries of any single social science discipline, but rather overlap two or more such fields. The college also recognizes that many students do not wish to limit their undergraduate major studies to the specialization of a single disciplinary department or professional school. The interdisciplinary studies in social science major provides undergraduates with an interest in public policy, problem solving in society, and community engagement, the core of the mission of the College, a unique opportunity to shape their curriculum to develop interdisciplinary approaches to real world issues at the local, national, and global levels. The educational objectives of the major are to: develop students' integrated judgment, advanced communication skills, analytical thinking, cultural awareness, and civic engagement; develop students' under-

standing of social science approaches to the challenges and issues that face societies across space and time, and develop students' ability to integrate disciplinary knowledge, skills, and methods to solve complex real world problems.

The college offers two broadly based, coherent, multidisciplinary, undergraduate majors in interdisciplinary social science.

1. Interdisciplinary Studies in Social Science
2. Interdisciplinary Studies in Social Science: Social Science Education

INTERDISCIPLINARY STUDIES IN SOCIAL SCIENCE

Students must select one of five concentrations:

Community Governance and Advocacy. Explores issues and problems related to community organizations, political or social advocacy, governance, private-public sector partnerships, philanthropy, and other local, state, or regional matters. Course offerings deal with physical development, social interaction, race and ethnicity, family, gender, economics, and politics as they relate to challenges of community life.

Health and Society. Examines the social, behavioral, and economic determinants of health. Students will gain the knowledge and skills to improve population health. Students may select from courses in health psychology, anthropology of alternative medicine, or the sociology of health care systems.

International Studies. Focuses on the issues and problems related to international relations and cooperation, globalization, comparative economic and political systems, and cross-cultural understanding. Course offerings include the study of foreign policy and the history of U.S. foreign policy, world geography, international economics, and globalization and justice. Second year foreign language competency is required for this concentration which may be satisfied by placing into a 300-level foreign language course based on a Michigan State University placement test.

Human Capital and Society. Students explore aspects of the modern workplace and employment relationships from a variety of social science perspectives. Topics of inquiry include economic and technological factors affecting employment and wages in the global economy, employer-employee relations in the U.S. and other nations, racial and ethnic considerations, and gender issues. The concentration provides a strong background for individuals wishing to pursue graduate study in labor and industrial relations, human resources, and other related social science and business fields.

Liberal Studies. Students will create an individual sequence of course work designed to accomplish study in interdisciplinary studies in social science.

Requirements for the Bachelor of Arts or Bachelor of Science Degree in Interdisciplinary Studies in Social Science

1. The graduation requirements of the University as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts or Bachelor of Science degree in Interdisciplinary Studies in Social Science.

The University's Tier II writing requirement for the Interdisciplinary Studies in Social Science major is met by completing Social Science 499. That course is referenced in item 5. below.

2. The graduation requirements of the College of Social Science for the Bachelor of Arts or Bachelor of Science degree.

3. **Foundation Courses** (9 to 12 credits):

Three of the following courses:

| | | | |
|-----|-----|--|---|
| ANP | 201 | Sociocultural Diversity | 3 |
| EC | 201 | Introduction to Microeconomics | 3 |
| GEO | 204 | World Regional Geography | 3 |
| HST | 110 | Historical Approaches to Contemporary Issues | 3 |
| PLS | 200 | Introduction to Political Science | 4 |
| PSY | 101 | Introductory Psychology | 4 |
| SOC | 100 | Introduction to Sociology | 4 |

One foundation course must match the discipline in the selected cognate, as listed in item 7. below. Qualified students may substitute Economics 251H for Economics 201.

4. The following course (1 credit):
SSC 299 Integration of Social Science Perspectives (N) 1
This course must be completed following completion of the foundation courses and prior to the capstone course.
5. **Capstone Course** (3 credits):
The following course:
SSC 499 Capstone in Interdisciplinary Studies in Social Science 3
6. Complete a minimum of 15 to 27 credits in one of the following concentrations with no more than two courses from a single discipline. Courses in the cognate discipline may not be used to satisfy the course requirements of the concentration.

Students pursuing the Liberal Studies concentration should refer to the section below on Liberal Studies.

Community Governance and Advocacy

Anthropology

ANP 321 Anthropology of Social Movements 3
ANP 330 Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity 3
ANP 426 Urban Anthropology 3
ANP 430 Culture, Resources, and Power 3
ANP 439 Human Rights: Anthropological Perspectives (D) 3

Criminal Justice

CJ 355 Juvenile Justice 3
CJ 474 Law and Criminal Justice Policy 3

Economics

EC 335 Taxes, Government Spending, and Public Policy 3
EC 380 Labor Relations and Labor Market Policy 3

Geography

GEO 413 Urban Geography 3
GEO 418 The Ghetto 3

History

HST 306 Modern United States 3
HST 413 Families in Historical Perspective 3

Human Development and Family Studies

HDFS 270 Introduction to Family Community Services 4
HDFS 280 Human Development in the Community 3
HDFS 405 Work and Family 3
HDFS 442 Ethnic Families in America 3

Political Science

PLS 301 American State Government 3
PLS 302 Urban Politics 3
PLS 313 Public Policy Analysis 3
PLS 320 The American Judicial Process 3
PLS 331 Political Parties and Interest Groups 3
PLS 333 Political Socialization and Public Opinion 3

Psychology

PSY 270 Community Psychology 3

Sociology

SOC 215 Race and Ethnicity 3
SOC 330 Social Stratification 3
SOC 331 Political Sociology 3
SOC 361 Contemporary Communities 3
SOC 363 Rural Sociology 3
SOC 375 Urban Sociology 3
SOC 424 Organizations and Society 3
SOC 481 Social Movements and Collective Identities 3

Social Science

SSC 493 Social Science Internship 3

Social Work

SW 475 School Violence: Causes and Interventions 3

Urban Planning

UP 201 The Role of Planning in Urban and Regional Development 4
UP 343 Planning Theory: Ethics and Politics(W) 4
UP 353 Land Use Planning 4

Health and Society

Anthropology

ANP 270 Women and Health: Anthropological and International Perspectives 3
ANP 330 Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity 3
ANP 340 Introduction to Physical Anthropology 4
ANP 370 Culture, Health and Illness 3
ANP 423 Psychological Anthropology 3
ANP 442 Genes and Diversity 3
ANP 471 The Anthropology of Alternative Medicine 3

Economics

EC 498 Economics of Health Care 3

Epidemiology

EPI 390 Disease in Society: Introduction to Epidemiology and Public Health 4

Geography

GEO 435 Geography of Health and Disease 3

History

HST 420 History of Sexuality since the 18th Century 3
HST 425 American and European Health Care since 1800 4

Human Development and Family Studies

HDFS 225 Lifespan Human Development in the Family 3
HDFS 445 Human Sexuality 3
HDFS 449 Special Needs Children and Their Families 3
HDFS 472 Evaluation of Human Service Programs 3

Psychology

PSY 209 Brain and Behavior 3
PSY 280 Abnormal Psychology 3
PSY 320 Health Psychology 3
PSY 409 Psychobiology of Behavioral Development (W) 3

Sociology

SOC 215 Race and Ethnicity 3
SOC 216 Sex and Gender 3
SOC 368 Science, Technology and Society 3
SOC 424 Organizations and Society 3
SOC 427 Environmental Toxicology and Society 3
SOC 451 Dynamics of Population 3
SOC 452 Environment and Society 3
SOC 475 Sociology of Health Care Systems 3
SOC 476 Social Psychology of Health 3

Social Science

SSC 493 Social Science Internship 3

Social Work

SW 472 Social Work in Health Care 3
SW 474 Substance Abuse and the Human Services 3

International Studies

Second year foreign language competency is required and may be satisfied by placing into a 300-level foreign language course based on a Michigan State University placement test.

Anthropology

ANP 220 Gender Relations in Comparative Perspective 3
ANP 330 Race, Ethnicity and Nation: Anthropological Approaches to Collective Identity 3
ANP 420 Language and Culture 3
ANP 428 Environments of International Enterprise 3
ANP 430 Culture, Resources and Power 3
ANP 436 Globalization and Justice: Issues in Political and Legal Anthropology (I) 3
ANP 439 Human Rights: Anthropological Perspectives (D) 3

Economics

EC 306 Comparative Economic Systems 3
EC 340 Survey of International Economics 3
EC 440 International Trade 3
EC 441 International Finance 3

Geography

GEO 335 Geography of Latin America 3
GEO 336 Geography of Europe 3
GEO 337 Geography of Asia Pacific (I) 3
GEO 338 Geography of Africa 3
GEO 440 Critical Geopolitics 3
GEO 441 Geography of Language and Religion 3
GEO 454 Geography of Environment and Development 3

History

HST 325 United State Foreign Relations to 1914 3
HST 326 United State Foreign Relations since 1914 3
HST 390 History of International Relations 3
HST 410 History of North American Urbanization 3
HST 488 Seminar in International Relations (W) 3

Political Science

PLS 322 Comparative Legal Systems 3
PLS 342 Comparative Political Economy 3
PLS 357 Politics of English Speaking Democracies 3
PLS 363 International Political Conflict 3
PLS 364 International Organization and Cooperation 3
PLS 422 Seminar in Political Science (W) 4

Sociology

SOC 451 Dynamics of Population 3

Social Science

SSC 493 Social Science Internship 3

Human Capital and Society

Anthropology

ANP 220 Gender Relations in Comparative Perspective 3
ANP 330 Race, Ethnicity and Nation: Anthropological Approaches to Collective Identity 3
ANP 424 Culture and Economic Behavior 3
ANP 428 Environments of International Enterprise 3
ANP 430 Culture, Resources and Power 3

Economics

EC 301 Intermediate Microeconomics 3
EC 330 Money, Banking and Financial Markets 3
EC 340 Survey of International Economics 3
EC 360 Private Enterprise and Public Policy 3
EC 380 Labor Relations and Labor Market Policy 3
EC 480 Analysis of Labor Markets 3
EC 495 Economics of Poverty and Income Distribution 3

Geography

GEO 113 Introduction to Economic Geography 3

History

HST 213 U.S. Business and Economic History 3
HST 281 Immigrants, Minorities, and American Pluralism 3
HST 306 Modern United States 3

Human Development and Family Studies

HDFS 405 Work and Family 3
HDFS 442 Ethnic Families in America 3

Political Science

PLS 310 Public Bureaucracy in the Policy Process 3
PLS 342 Comparative Political Economy 3

Psychology

PSY 235 Social Psychology 3
PSY 236 Personality 3
PSY 255 Industrial and Organizational Psychology 3

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Interdisciplinary Studies in Social Science

PSY 339 Psychology of Women 3
Sociology
 SOC 215 Race and Ethnicity 3
 SOC 216 Sex and Gender 3
 SOC 322 Sociology of Work 3
 SOC 330 Social Stratification 3
 SOC 331 Political Sociology 3
 SOC 424 Organizations and Society 3

Social Science
 SSC 493 Social Science Internship 3

Liberal Studies

Students interested in completing a Liberal Studies concentration must complete 27 credits of course work in the College of Social Science, of which at least 3 credits must be a course on social research methods offered by any unit in the college. Liberal Studies students are limited to no more than five courses in a single discipline, and are not required to complete a disciplinary cognate as listed in item 7. below. Liberal Studies students may only count College of Social Science courses toward their major requirements, but are strongly encouraged to select appropriate electives, specializations, or minors to accomplish the student's academic goals. To pursue this concentration, a student must develop a proposal in coordination with the interdisciplinary studies in social science advisor that includes the following: To pursue the concentration, a student must develop a proposal in coordination with the interdisciplinary studies in social science advisor that includes the following:

- a. a proposed outline of the course work to be taken with a rationale for each course.
- b. a statement of purpose for the proposed course work.
- c. a set of specific learning outcomes that will be achieved through the course work that is not available in other majors at the university, or in the college.

The proposed course of study must be approved by the interdisciplinary studies in social science advisor, two tenure-stream faculty members in the College of Social Science, with final approval from the Center for Integrative Studies in Social Science advisory committee.

7. Disciplinary Cognate

Complete a minimum of 12 credits in courses in one of the following disciplines: anthropology, economics, geography, history, political science, psychology, or sociology. Courses in the disciplinary cognate may not be used to satisfy the course requirements of the concentration. Choice of available disciplinary cognate differs by concentration, as listed below. Students pursuing the Liberal Studies concentration above are not required to complete a disciplinary cognate.

Community Governance and Advocacy: anthropology, economics, history, political science, and sociology.

Health and Society: anthropology, economics, geography, psychology, and sociology.

International Studies: anthropology, economics, geography, history, and political science.

Human Capital and Society: anthropology, economics, history, psychology, and sociology.

Anthropology Cognate. In addition to the ANP 201 foundation course listed in item 3. above, complete the following:

- a. The following course:
 ANP 202 Biocultural Evolution 3
- b. One of the following courses:
 ANP 320 Social and Cultural Analysis 4
 ANP 429 Ethnographic Field Methods 3
 ANP 461 Method and Theory in Historical Archaeology 3
 ANP 463 Laboratory Methods in Archaeology 3
 ANP 464 Field Methods in Archaeology 3
- c. One of the following courses:
 ANP 321 Anthropology of Social Movements 3
 ANP 330 Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity 3
 ANP 361 Paleolithic Archaeology 3
 ANP 363 Rise of Civilization 3
 ANP 370 Culture, Health, and Illness 3
 ANP 420 Language and Culture 3
 ANP 422 Religion and Culture 3
 ANP 423 Psychological Anthropology 3
 ANP 424 Culture and Economic Behavior 3
 ANP 426 Urban Anthropology 3
 ANP 430 Culture, Resources and Power 3
 ANP 431 Gender, Environment and Development 3
 ANP 436 Globalization and Justice: Issues in Political and Legal Anthropology (I) 3
 ANP 440 Hominid Fossils 3
 ANP 441 Osteology and Forensic Anthropology 4
 ANP 442 Genes and Diversity 3
 ANP 460 Archaeology Practice: Policy and Law 3
 ANP 462 Frontiers and Colonization in Historical Archaeology 3
- d. One of the following courses:
 ANP 410 Revolution and Social Change in Latin America 3
 ANP 411 North American Indian Ethnography 3
 ANP 414 Anthropology of South Asia 3
 ANP 415 China: Culture and Society 3
 ANP 416 Anthropology of Southern Africa 3
 ANP 450 African Archaeology 3
 ANP 451 European Archaeology 3
 ANP 452 North American Archaeology 3
 ANP 453 Mesoamerican Archaeology 3

Economics Cognate. In addition to the EC 201 foundation course listed in item 3. above, complete the following:

- a. The following course:
 EC 202 Introduction to Macroeconomics 3
 Economics 252H may be substituted for Economics 202.
- b. Three courses in Economics at the 300-400 level 9

Geography Cognate. In addition to the GEO 204 foundation course listed in item 3. above, complete the following:

- a. One of the following courses:
 GEO 113 Introduction to Economic Geography 3
 GEO 151 Introduction to Human Geography 3
 GEO 206 Physical Geography 3
- b. One of the following courses:
 GEO 221 Introduction to Geographic Information 3
 GEO 324 Remote Sensing of the Environment 4
 GEO 363 Introduction to Quantitative Methods for Geographers 3
- c. Complete one Geography course at the 300-level 3
- d. Complete one Geography course at the 400-level 3

History Cognate. In addition to the HST 110 foundation course listed in item 3. above, complete the following:

- a. The following course:
 HST 201 Historical Methods and Skills 3
- b. Complete 9 credits from one of the following areas with a minimum of 6 credits in 300-400 level courses:

Women, Gender and Family

HST 312 African American Women 3
 HST 313 Women in the United States to 1869 3
 HST 314 Women in the United States since 1869 3
 HST 324 History of Sport in America 3
 HST 412 Women in Modern European History 3
 HST 413 Families in Historical Perspective 3
 HST 420 History of Sexuality since the 18th Century 3
 HST 421 Women and Gender in Africa 3
 HST 450 Special Topics in African History 3
 HST 451 Special Topics in Asian History 3
 HST 452 Special Topics in European History 3
 HST 453 Special Topics in Latin American History 3
 HST 454 Special Topics in American History 3
 HST 455 Special Topics in Modern History 3
 HST 480 Seminar in American History (W) 3
 HST 483 Seminar in Modern European History (W) 3
 HST 484 Seminar in African History (W) 3
 HST 485 Seminar in Asian History (W) 3
 HST 487 Seminar in Comparative History (W) 3

History 450, 451, 452, 453, 454, 455, 480, 483, 484, 485, 486 and 487 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.

U.S. Racial, Ethnic and Cultural History

HST 281 Immigrants, Minorities, and American Pluralism 4
 HST 310 African American History to 1876 3
 HST 311 African American History since 1876 3
 HST 312 African American Women 3
 HST 317 American Jewish History 3
 HST 319 Asian American History 3
 HST 324 History of Sport in America 3
 HST 327 History of Mexican Americans in the United States 3
 HST 378 Native Americans in North American History to 1830 3
 HST 379 Native Americans in North American History from 1830 3
 HST 454 Special Topics in American History 3
 HST 455 Special Topics in Modern History 3
 HST 480 Seminar in American History (W) 3
 HST 487 Seminar in Comparative History (W) 3
 History 454, 455, 480, and 487 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.

Political, Constitutional and Legal History

HST 302 Revolutionary America 3
 HST 305 The Making of the Modern United States 3
 HST 306 Modern United States 3
 HST 318A United States Constitutional History to 1890 3
 HST 318B United States Constitutional History from 1877 3
 HST 350 Constitutional and Legal History of Medieval England 3
 HST 351 Constitutional and Legal History of England since 1400 3
 HST 452 Special Topics in European History 3
 HST 454 Special Topics in American History 3
 HST 455 Special Topics in Modern History 3
 HST 480 Seminar in American History (W) 3
 HST 483 Seminar in Modern European History (W) 3
 HST 487 Seminar in Comparative History (W) 3
 History 452, 454, 455, 480, 483, and 487 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.

Diplomacy and War

HST 304 The American Civil War 3
 HST 325 United States Foreign Relations to 1914 3
 HST 326 United States Foreign Relations since 1914 3
 HST 390 History of International Relations 3

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| | | |
|---------|--|---|
| HST 392 | History of the Holocaust | 3 |
| HST 414 | World War II: Causes, Conduct and Consequences | 3 |
| HST 450 | Special Topics in African History | 3 |
| HST 451 | Special Topics in Asian History | 3 |
| HST 452 | Special Topics in European History | 3 |
| HST 453 | Special Topics in Latin American History | 3 |
| HST 454 | Special Topics in American History | 3 |
| HST 455 | Special Topics in Modern History | 3 |
| HST 480 | Seminar in American History (W) | 3 |
| HST 481 | Seminar in Ancient History (W) | 3 |
| HST 482 | Seminar in Medieval History (W) | 3 |
| HST 483 | Seminar in Modern European History (W) | 3 |
| HST 484 | Seminar in African History (W) | 3 |
| HST 485 | Seminar in Asian History (W) | 3 |
| HST 486 | Seminar in Latin American History (W) | 3 |
| HST 487 | Seminar in Comparative History (W) | 3 |
| HST 488 | Seminar in International Relations (W) | 3 |

History 450, 451, 452, 453, 454, 455, 480, 481, 482, 483, 484, 485, 486 and 487 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.

The History of a Specific Area of the World - Africa

| | | |
|---------|--|---|
| HST 360 | African History to 1800 | 3 |
| HST 361 | African History since 1800 | 3 |
| HST 362 | West Africans and the Atlantic Slave Trade | 3 |
| HST 364 | South Africa and Its Neighbors | 3 |
| HST 421 | Women and Gender in Africa | 3 |
| HST 450 | Special Topics in African History | 3 |
| HST 484 | Seminar in African History (W) | 3 |

The History of a Specific Area of the World - Asia

| | | |
|---------|---------------------------------|---|
| HST 209 | Traditional East Asia | 4 |
| HST 210 | Modern East Asia | 4 |
| HST 366 | Southeast Asia since 1500 | 3 |
| HST 367 | Imperial China | 3 |
| HST 368 | China since 1900 | 3 |
| HST 369 | Japan to 1800 | 3 |
| HST 370 | Japan since 1800 | 3 |
| HST 393 | History of India | 3 |
| HST 451 | Special Topics in Asian History | 3 |
| HST 485 | Seminar in Asian History (W) | 3 |

The History of a Specific Area of the World - Modern Europe

| | | |
|---------|---|---|
| HST 335 | Europe in the Age of Revolution, 1700-1870 | 3 |
| HST 336 | Contemporary Europe, 1870 to Present | 3 |
| HST 337 | European Intellectual History: Natural Philosophy through Romanticism | 3 |
| HST 338 | European Intellectual History: Modernism and Post-Modernism | 3 |
| HST 341 | Modern Britain since 1688 | 3 |
| HST 342 | Modern East-Central Europe | 3 |
| HST 344 | Russia in the Twentieth Century | 3 |
| HST 347 | Modern France | 3 |
| HST 348 | Modern Germany | 3 |
| HST 392 | History of the Holocaust | 3 |
| HST 411 | European Jewish History | 3 |
| HST 412 | Women in Modern European History | 3 |
| HST 452 | Special Topics in European History | 3 |
| HST 483 | Seminar in Modern European History (W) | 3 |

History 452 and 483 may be used only with approval from the Interdisciplinary Studies in Social Science advisor, in consultation with the Department of History.

The History of a Specific Area of the World - Latin America

| | | |
|---------|--|---|
| HST 380 | Colonial Latin America | 3 |
| HST 381 | National Latin America | 3 |
| HST 382 | Modern Brazil | 3 |
| HST 383 | The Caribbean | 3 |
| HST 384 | Modern Mexico | 3 |
| HST 385 | Modern Spanish Central and South America | 3 |
| HST 453 | Special Topics in Latin American History | 3 |
| HST 486 | Seminar in Latin American History (W) | 3 |

Political Science Cognate. In addition to the PLS 200 foundation course listed in item 3. above, complete the requirements from one of the four areas below:

Political Philosophy

| | | |
|----|---|---|
| a. | Both of the following courses: | |
| | PLS 170 Introduction to Political Philosophy | 3 |
| | PLS 201 Introduction to Methods of Political Analysis | 4 |
| b. | Two of the following courses: | |
| | PLS 371 Classical Political Philosophy | 3 |
| | PLS 372 Modern Political Philosophy | 3 |
| | PLS 377 American Political Thought | 3 |
| | PLS 422 Seminar in Political Science(W) | 4 |

American Political Institutions

| | | |
|----|---|---|
| a. | Both of the following courses: | |
| | PLS 100 Introduction to American National Government | 3 |
| | PLS 201 Introduction to Methods of Political Analysis | 4 |
| b. | Two of the following courses: | |
| | PLS 301 American State Government | 3 |
| | PLS 302 Urban Politics | 3 |
| | PLS 310 Public Bureaucracy in the Policy Process | 3 |
| | PLS 320 The American Judicial Process | 3 |
| | PLS 321 American Constitutional Law | 3 |
| | PLS 324 American Legislative Process | 3 |
| | PLS 325 American Executive Process | 3 |
| | PLS 331 Political Parties and Interest Groups | 3 |

| | | |
|---------|----------------------------------|---|
| PLS 334 | Campaigns and Elections | 3 |
| PLS 422 | Seminar in Political Science (W) | 4 |

International Relations

| | | |
|----|---|---|
| a. | Both of the following courses: | |
| | PLS 160 Introduction to International Relations | 3 |
| | PLS 201 Introduction to Methods of Political Analysis | 4 |
| b. | Two of the following courses: | |
| | PLS 362 Foreign Policy | 3 |
| | PLS 363 International Political Conflict | 3 |
| | PLS 364 International Organization and Cooperation | 3 |
| | PLS 422 Seminar in Political Science(W) | 4 |

Comparative Politics

| | | |
|----|---|---|
| a. | Both of the following courses: | |
| | PLS 140 Government and Politics of the World | 3 |
| | PLS 201 Introduction to Methods of Political Analysis | 4 |
| b. | Two of the following courses: | |
| | PLS 322 Comparative Legal Systems | 3 |
| | PLS 342 Comparative Political Economy | 3 |
| | PLS 344 Politics in the Third World | 3 |
| | PLS 351 African Politics | 3 |
| | PLS 352 Latin American Politics | 3 |
| | PLS 354 Politics of Asia | 3 |
| | PLS 356 West European Politics | 3 |
| | PLS 357 Politics of English Speaking Democracies | 3 |
| | PLS 358 Politics of the U.S.S.R. and its Successor States | 3 |
| | PLS 422 Seminar in Political Science (W) | 4 |
| | PLS 441 Islam and World Politics | 4 |

Psychology Cognate. In addition to the PSY 101 foundation course listed in item 3. above, complete the following:

| | | |
|----|---|---|
| a. | The following course: | |
| | PSY 295 Data Analysis in Psychological Research | 3 |
| | Students who have complete Statistics and Probability 315 should consult an academic advisor before completing this course. | |
| b. | Two of the following courses: | |
| | PSY 200 Cognitive Psychology | 3 |
| | PSY 209 Brain and Behavior | 3 |
| | PSY 235 Social Psychology | 3 |
| | PSY 236 Personality | 3 |
| | PSY 244 Developmental Psychology: Infancy Through Childhood | 3 |
| | PSY 270 Community Psychology | 3 |
| | PSY 280 Abnormal Psychology | 3 |
| c. | One Psychology course at the 300-400 level. | 3 |

Sociology Cognate. In addition to the SOC 100 foundation course listed in item 3. above, complete the following:

| | | |
|----|--|---|
| a. | Both of the following courses: | |
| | SOC 281 Methods of Social Research I | 4 |
| | SOC 282 Methods of Social Research II | 4 |
| b. | One of the following courses: | |
| | SOC 215 Race and Ethnicity | 3 |
| | SOC 216 Sex and Gender | 3 |
| | SOC 330 Social Stratification | 3 |
| c. | One Sociology course at the 300-400 level. | 3 |

Business Emphasis
The Business Emphasis is available as an elective to students who are pursuing a Bachelor of Arts or a Bachelor of Science degree with a major in interdisciplinary studies in social science. To enroll in the business emphasis, students must meet with an interdisciplinary studies in social science advisor.

Requirements for the Business Emphasis (12 credits)
Complete four of the following courses:

| | | |
|---------|-------------------------------------|---|
| ACC 202 | Principles of Management Accounting | 3 |
| ACC 230 | Survey of Accounting Concepts | 3 |
| FI 320 | Introduction to Finance | 3 |
| GBL 323 | Introduction to Business Law | 3 |
| MGT 325 | Management Skills and Processes | 3 |
| MKT 327 | Introduction to Marketing | 3 |

INTERDISCIPLINARY STUDIES IN SOCIAL SCIENCE: SOCIAL SCIENCE EDUCATION

The Interdisciplinary Studies in Social Science: Social Science Education program is a comprehensive teaching major leading to the Bachelor of Arts degree in the College of Social Science. It is available for teacher certification and is only available to students pursuing teacher certification. Students who complete the requirements for this major and the requirements for teacher certification are recommended for a secondary teaching certificate in social studies. Persons with teacher certification in social studies are qualified to teach history, political science, geography, and economics.

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Requirements for the Bachelor of Arts Degree in Interdisciplinary Studies in Social Science: Social Science Education

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Interdisciplinary Studies in Social Science: Social Science Education.
 The University's Tier II writing requirement for the Interdisciplinary Studies in Social Science: Social Science Education major is met by completing History 480 or 481 or 482 or 483 or 484 or 485 or 486 or 487 or 488. Those courses are referenced in item 3. below.
2. Students in the Interdisciplinary Studies in Social Science: Social Science Education major are not required to complete the College of Social Science requirements referenced under the heading *Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees in the College of Social Science* section of this catalog.
3. The following requirements for the major:

CREDITS

| | | |
|-----|---|---|
| a. | All of the following courses (43 credits): | |
| EC | 201 | Introduction to Microeconomics 3 |
| EC | 202 | Introduction to Macroeconomics 3 |
| GEO | 204 | World Regional Geography 3 |
| GEO | 221 | Introduction to Geographic Information 3 |
| GEO | 330 | Geography of the United States and Canada 3 |
| HST | 140 | World History to 1500 4 |
| HST | 150 | World History since 1500 4 |
| HST | 201 | Historical Methods and Skills 3 |
| HST | 202 | U.S. History to 1876 4 |
| HST | 203 | U.S. History since 1876 4 |
| HST | 320 | History of Michigan 3 |
| PLS | 100 | Introduction to American National Government 3 |
| PLS | 140 | Government and Politics of the World. 3 |
| b. | One of the following courses (3 credits): | |
| HST | 310 | African American History to 1876 3 |
| HST | 311 | African American History since 1876 3 |
| HST | 312 | African American Women 3 |
| HST | 313 | Women in the United States to 1869 3 |
| HST | 314 | Women in the United States since 1869. 3 |
| HST | 327 | History of Mexican Americans in the United States 3 |
| HST | 378 | Native Americans in North American History to 1830. 3 |
| HST | 379 | Native Americans in North American History from 1830 3 |
| c. | One of the following courses (3 credits): | |
| PLS | 313 | Public Policy Analysis 3 |
| PLS | 320 | The American Judicial Process 3 |
| PLS | 321 | American Constitutional Law. 3 |
| PLS | 324 | American Legislative Process. 3 |
| PLS | 325 | American Executive Process. 3 |
| d. | One of the following courses (3 credits): | |
| HST | 480 | Seminar in American History (W) 3 |
| HST | 481 | Seminar in Ancient History (W). 3 |
| HST | 482 | Seminar in Medieval History (W). 3 |
| HST | 483 | Seminar in Modern European History (W) 3 |
| HST | 484 | Seminar in African History (W) 3 |
| HST | 485 | Seminar in Asian History (W) 3 |
| HST | 486 | Seminar in Latin American History (W). 3 |
| HST | 487 | Seminar in Comparative History (W). 3 |
| HST | 488 | Seminar in International Relations (W) 3 |
| e. | Completion of the requirements for <i>Teacher Certification</i> in the Department of Teacher Education, which includes all of the following courses (21 credits): | |
| TE | 150 | Reflections on Learning 3 |
| TE | 250 | Human Diversity, Power, and Opportunity in Social Institutions. 3 |
| TE | 302 | Learners and Learning in Contexts – Secondary (W). 4 |
| TE | 407 | Teaching Subject Matter to Diverse Learners – Secondary (W). 5 |
| TE | 408 | Crafting Teaching Practices – Secondary (W) 6 |

INTERDEPARTMENTAL GRADUATE SPECIALIZATIONS

INTERDEPARTMENTAL GRADUATE SPECIALIZATIONS IN APPLIED DEVELOPMENTAL SCIENCE

The interdepartmental graduate specializations in applied developmental science are available as electives to students who are enrolled in the master's and doctoral degree programs in the departments of Agricultural and Extension Education; Agricultural Economics; Anthropology; Audiology and Speech Sciences; Communication; Counseling, Educational Psychology and Special Education; Crop and Soil Sciences; Educational Administration; Family and Child Ecology; Food Science and Human Nutrition; Geography; History; Kinesiology; Linguistics and Germanic, Slavic, Asian and African Languages; Marketing and Supply Chain Management; Political Science; Psychology; Community, Agriculture, Recreation and Resource Studies; Sociology; Statistics and Probability; Telecommunication, Information Studies and Media; and Zoology; in the master's and doctoral degree programs in the School of Music; in the Educational Specialist degree program in the Department of Counseling, Educational Psychology and Special Education; in the Master of Social Work degree programs in the School of Social Work; in the Master of Science in Nursing degree program in the College of Nursing; and in the graduate-professional degree program in the College of Human Medicine.

The College of Social Science administers the specializations. The specializations are supervised by an interdisciplinary faculty coordinating committee representing the graduate programs involved. Students must meet the requirements of both the degree program and the specialization. Students should work closely with their academic advisors to ensure that meaningful experiences that are directly related to applied developmental science are included in their degree programs. With the approval of the department or school and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the student's degree program.

American society is faced with pervasive and burgeoning problems of individuals, families, and communities. Issues of child and youth development, of economic competitiveness, of environmental quality, and of health and health care require creative research and the design, deployment, and evaluation of innovative public policies and intervention programs. As a consequence, there has been increasing societal pressure for universities, and for the scholars within them, to design and deliver knowledge applications addressing these problems.

One of the most fruitful areas for such knowledge application involves examining the problems of individuals and communities across the life span. These applications require the ability to understand and assist the development of individuals who vary with respect to cultural and ethnic background, economic and social opportunity, physical and cognitive abilities, and conditions of living. Infants at biopsychosocial risk, gifted children or those with developmental disabilities, adolescents considering health-compromising behaviors, single- and dual-worker parents, the frail elderly, ethnic minorities, and impoverished families are just some of the populations requiring applications of knowledge based on the work of scholars in fields such as criminal justice, human nutrition, medicine, and psychology. There is a need

within those fields for scholars who adopt a development perspective to their science.

The five components of applied developmental science are described below:

Developmental systems theory deals with the continuities and discontinuities of development, i.e., with the process of change. There is a temporal component to individual, family, institutional, and community experiences. Some aspects of development remain stable over time; other aspects change. Systems theory provides an approach to modeling stability and change, and to the identification of factors that causally influence organizational processes. The temporality of change has important implications for research design, service provision, and program evaluation because it is dependent upon use of longitudinal methods and keyed by multivariate models of the developmental process.

Competence in diversity involves issues related to diversity, whether that diversity is generated by culture, gender, age, socioeconomic status, disability, race or ethnicity, or community. All of those factors potentially affect individual differences among persons, families, communities, and neighborhoods and potentially contribute to program successes and failures. Competence in diversity refers to a set of academic and interpersonal skills that allow individuals to increase their understanding and appreciation of cultural differences and similarities within, among, and between groups.

Contextualism involves the centrality of context in terms of individuals, families, and family functioning. Context exists at all levels—biological, physical/ecological, social-cultural, political, economic, etc., and invites systemic approaches to research and program design and implementation. Contextual variables such as poverty, family size, birth order, single parenthood, supplemental child care, parental psychopathology, unemployment, and workplace stress all help to set the context within which individuals, families, and social groups behave and develop.

Asset building emphasizes identification of assets so that the capacity to act is strengthened at the most basic level possible, whether that level is the individual person, or a local school, human service agency, neighborhood, or community. Applied developmental science stresses normative developmental processes as primary prevention rather than remediation. It rejects deficit model approaches to individual and social preventive-interventions. Universities exist to disseminate knowledge through instruction. From an applied developmental science perspective, asset building requires the learner (community) to be implicitly involved in the development of educational programs so that there is an explicit match between educational materials and needs of the consumer.

University-community partnerships stresses the principle that models for community intervention must be tested in the community setting in full collaboration with community partners. In short, communities must participate as full partners in the design and evaluation of community programs. From this perspective, application of knowledge generates new questions that demand generation of new knowledge (i.e., new approaches, new strategies, new program designs). The activities of applied developmental science span a continuum of knowledge generation to knowledge application which includes, but is not limited to, research on the applicability of scientific theory to human growth and development in ecologically valid contexts; the study of developmental correlates of phenomena of social import; the construction and utilization of developmentally and contextually sensitive assessment instruments; the design and evaluation of developmental interventions and enhancement programs; and the dissemination of developmental knowledge to individuals, families, communities, practitioners, and policymakers through developmental education, written materials, the mass media, expert testimony, and community collaborations.

All of these five components converge to a research environment that values longitudinal designs by which one can track individuals over time, assess normative trends, evaluate different contextual influences on intraindividual change as well as normative trends, and assess the dynamic bi-directional processes that regulate organization of individual, dyadic, family, and social systems.

The interdepartmental graduate specializations in applied developmental science are designed to provide a knowledge base that will facilitate the work of graduates who pursue careers in educational, agency, institutional, and governmental organizations that are integral to preventive-intervention programs, longitudinal studies of human development, and developmental evaluation. Specifically, the specializations are designed to:

1. Provide an opportunity for graduate students to obtain a comprehensive and contemporary academic experience in the field of applied developmental science.
2. Help graduate students with an interest in applied developmental science to become sensitive to their professional obligations and responsibilities.
3. Develop an intellectual environment that will foster the growth of research and teaching in the area of applied developmental science, as well as sensitize students to issues related to the rich diversity of human ethnic and racial populations, to social problems and social policy issues related to human development, and to the variety of contexts within which human development occurs.
4. Increase public awareness of the benefits of university-community partnerships to solve problems of social living and human development.

A student who is enrolled in one of the master's, Educational Specialist, doctoral, or graduate-professional degree programs referenced above and who wishes to complete the requirements for an Interdepartmental Graduate Specialization in Applied Developmental Science must petition the admission committee for the specialization for acceptance. To be considered for acceptance into the specialization, the student should have completed the Graduate Record Examination including the Subject Test in the student's discipline. To be accepted into the specialization, the student must have had academic preparation in experimental design and statistical analysis. If in the judgment of the coordinating committee the student's academic preparation is inadequate, the student may be required to complete some courses in addition to the courses that are used to satisfy the requirements for the specialization.

Although separate interdepartmental graduate specializations in applied developmental science have been developed for master's and doctoral students, a given student may receive certification of completion of **either** the specialization for master's students *or* the specialization for doctoral students, but not for both of the specializations. If a student has completed some of the requirements for the specialization that is available to master's students, but is subsequently admitted to a doctoral program and plans to complete the requirements for the specialization that is available to doctoral students, the requirements that the student has completed may be counted toward the requirements for the specialization that is available to doctoral students.

The student and the major professor select a guidance committee that will oversee the student's program of study for the specialization. In the event that a guidance committee has responsibility for overseeing a student's master's degree program, that same guidance committee may also oversee the student's program of study for the specialization, provided that the membership of the committee has been expanded to include at least one additional person who is a member of the applied developmental science faculty and who will represent that faculty on the committee. The same guidance committee that has responsi-

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Interdepartmental Graduate Specializations

bility for overseeing a student's Educational Specialist or doctoral degree program may also oversee the student's program of study for the specialization, provided that the membership of the committee has been expanded to include at least two additional persons who are members of the applied developmental science faculty and who will represent that faculty on the committee. For those students who are enrolled in master's degree programs that do not require that a guidance committee be established to oversee the student's program; for students who are enrolled in the graduate-professional degree program in the College of Human Medicine; and for master's, Educational Specialist, and doctoral students for whom guidance committees will be established for the sole purpose of overseeing programs of study for the specializations, the coordinator for applied developmental science will be responsible for establishing the students' guidance committees.

Students who are pursuing interdepartmental graduate specializations in applied developmental science are strongly encouraged to participate in twice monthly seminars with members of the applied developmental science faculty and other students who are pursuing the specializations. At those seminars, faculty and invited guests address issues related to design, methodology, statistical analysis of longitudinal data, evaluation, and techniques for building community-university research collaborations.

Requirements for the Interdepartmental Graduate Specializations in Applied Developmental Science

Master's Students

The student must:

1. Complete 18 credits of course work as specified below.
2. Complete a field research experience during at least one semester at an approved applied developmental science-community partnership site. This requirement may be met by completing one or more courses that have been approved by the student's guidance committee or by completing an alternative experience approved by the coordinator for applied developmental science.

In addition to meeting the requirements referenced above, the thesis of a student on Plan A must reflect the integration of the student's discipline and applied developmental science.

Doctoral Students

The student must:

1. Complete 18 credits of course work as specified below.
2. Complete a field research experience during at least one semester at an approved applied developmental science-community partnership site. This requirement may be met by completing one or more courses that have been approved by the student's guidance committee or by completing an alternative experience approved by the coordinator for applied developmental science.
3. Pass a written comprehensive examination in applied developmental science.
4. Complete a dissertation that reflects the integration of the student's discipline and applied developmental science.

Students who are enrolled in the Educational Specialist degree program in the Department of Counseling, Educational Psychology and Special Education and students who are enrolled in the graduate-professional degree program in the College of Human Medicine must meet the requirements for the specialization that are specified for master's students on Plan B.

Required Core Courses

The courses that are used to satisfy the requirements for an Interdepartmental Graduate Specialization in Applied Developmental Science must be approved by the student's guidance committee for the specialization. The courses should be selected within the context of the student's educational and career goals and with the goal of demonstrating competence in developmental systems theory, research methods, and quantitative and qualitative analytic methods.

GROUP A: HUMAN DEVELOPMENT EMPHASIS

The courses listed below treat human development from a multidisciplinary perspective. The student must complete a minimum of three courses totaling at least 9 credits.

| | CREDITS |
|--|---------|
| Human Development Focus | |
| ANP 820 Language and Cultural Meaning | 4 |
| FCE 801 Family Ecosystems | 3 |
| SOC 863 Community Theory and Research | 3 |
| Assessment and Evaluation Focus | |
| ASC 823E Assessment of Childhood Language Disorders | 3 |
| FCE 822 Assessment of the Young Child | 3 |
| HNF 843 Community Nutritional Assessment | 3 |
| PSY 818 Psychometric Theory and Test Construction | 3 |
| SW 892 Graduate Seminars in Social Work | 3 |
| Theory Focus | |
| AEC 861 Agriculture in Economic Development | 3 |
| ANP 836 Theories of Sociocultural Change | 3 |
| ANP 840 Biocultural Evolution | 3 |
| FCE 847 Theories of the Family | 3 |
| SOC 863 Community Theory and Research | 3 |
| Diversity and Context Focus | |
| ANP 820 Language and Cultural Meaning | 4 |
| ANP 832 Class and Ethnicity in Social Differentiation | 3 |
| ANP 839 Age and Gender | 3 |
| COM 828 Cross-Cultural Communication | 3 |
| GEO 418 The Ghetto | 3 |
| KIN 865 Curriculum and Instruction in Adapted Physical Education | 3 |
| PLS 853 Political Economy of Development Policy | 3 |
| PSY 926 Scientific and Professional Ethics | 3 |

GROUP B: STATISTICAL AND METHODOLOGICAL EMPHASIS

The courses listed below treat methodology and statistics applicable to research in applied developmental science. The student must complete a minimum of three courses totaling at least 9 credits.

| | |
|---|---|
| Multivariate Analysis | |
| CEP 934 Multivariate Data Analysis I | 4 |
| CEP 935 Advanced Topics in Multivariate Data Analysis II | 4 |
| MSC 907 Causal Modeling in Marketing | 3 |
| STT 843 Multivariate Analysis | 3 |
| STT 841 Linear Statistical Models | 3 |
| Qualitative Analysis | |
| EPI 810 Introduction to Descriptive and Analytical Epidemiology | 3 |
| EPI 812 Causal Inference in Epidemiology | 3 |
| SOC 985 Qualitative Field Research | 3 |
| Family and Child Ecology 980 may be counted toward the requirements for the specialization only when the topic deals with qualitative research methods. | |
| Systems Analysis | |
| AEC 810 Institutional and Behavioral Economics | 3 |
| STT 844 Time Series Analysis | 3 |
| STT 861 Theory of Probability and Statistics I | 3 |
| STT 862 Theory of Probability and Statistics II | 3 |
| Survey and Field Methods | |
| AEC 874 Field Data Collection and Analysis in Developing Countries | 3 |
| ANP 829 Research Methods in Cultural Anthropology | 3 |
| ANP 833 Ethnographic Analysis | 3 |
| CEP 937 Survey Research Methods in Education | 4 |
| SOC 881 Analysis of Social Data I | 3 |
| SOC 882 Analysis of Social Data II | 4 |
| SOC 986 Survey Research Principles | 3 |
| SW 830 Applied Social Work Research: Experimental and Quasi-Experimental Designs | 3 |
| SW 831 Applied Social Work Research: Design and Evaluation | 2 |
| SW 832 Applied Social Work Research: Survey and Field Designs | 3 |
| Research Methods | |
| ASC 803 Research Methods in Communication Sciences and Disorders | 3 |
| CEP 933 Quantitative Methods in Educational Research II | 3 |
| CEP 939 Seminar in Educational Measurement | 3 |
| COM 801 Communication Research I | 4 |
| COM 802 Communication Research II | 4 |
| COM 902 Communication Research Design II | 4 |
| GEO 865 Advanced Quantitative Methods in Geography | 4 |
| PLS 801 Quantitative Techniques in Public Policy and Political Science I | 3 |
| PLS 802 Quantitative Techniques in Public Policy and Political Science II | 3 |

| | | |
|---------|---|---|
| PSY 815 | Quantitative Research Design and Analysis in Psychology | 4 |
| PSY 817 | Psychometric Methods | 4 |
| UP 814 | Applied Research Methods for Planning and Development | 3 |

GRADUATE SPECIALIZATION IN ENVIRONMENTAL POLICY

The Graduate Specialization in Environmental Policy, which is administered by the College of Social Science, provides students with foundational skills and knowledge in environmental law, economics and policy and an opportunity to gain substantive expertise in the fundamental aspects of environmental policy.

The graduate specialization is available as an elective to students who are enrolled in master's or doctoral degree programs at Michigan State University. With the approval of department and college that administer the student's degree program, the courses that are used to satisfy the specialization may also be used to satisfy the requirements for the master's or doctoral degree.

Students who plan to complete the requirements for the graduate specialization must consult the graduate advisor for the specialization in the College of Social Science.

Requirements for the Graduate Specialization in Environmental Policy

Complete a total of 9 credits from the following:

| | CREDITS |
|---|---------|
| 1. Both of the following courses: | |
| AEC 829 The Economics of Environmental Resources | 3 |
| PPL 807 Public Policy | 3 |
| 2. Complete 3 credits of additional course work that focus on policy that meets the interests of the student. The course must be approved by the student's academic advisor for the specialization. | |
| 3. Completion of an examination consisting of a paper on the environmental policy aspects of a problem selected by the student and approved by the advisor for the specialization. | |

GRADUATE SPECIALIZATION IN ENVIRONMENTAL SCIENCE AND POLICY

The Graduate Specialization in Environmental Science and Policy, which is administered by the College of Social Science, is available as an elective to students enrolled in doctoral degree programs in departments and programs emphasizing environmental science or policy. The goal of the specialization is to provide doctoral students with opportunities to develop cross-disciplinary literacy, learn to integrate information from diverse disciplines, and conduct analyses of environmental issues in ways that support better decision-making about environmental issues. The specialization encourages students to develop analytical skills that span both disciplines and spatial and temporal scales and equips them to communicate across disciplines. It prepares students to engage in research, teaching and service focused on complex environmental problems and to develop and disseminate sound analyses to improve environmental decision-making.

Students who are interested in this specialization must contact an advisor for the Graduate Specialization in Environmental Science and Policy in the Environmental Science and Policy Program. To be admitted to the specialization, a student must also be admitted to a doctoral program at Michigan State University.

With the approval of the department and college that administer the student's degree program, courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for a doctoral degree.

Requirements for the Graduate Specialization in Environmental Science and Policy

Complete all the following courses (9 to 12 credits):

| | CREDITS |
|--|---------|
| 1. ESP 800 Principles of Environmental Science and Policy | 3 |
| 2. A 3-credit 800-900 level natural science/engineering course from a list of approved courses available on the Environmental Science and Policy program Web site. | |
| 3. A 3-credit 800-900 level social science/policy course from a list of approved courses available on the Environmental Science and Policy program Web site. | |
| 4. Capstone Experience. One of the following: | |
| a. ESP 804 Environmental Applications and Analysis | 3 |
| b. Participate in an internship, approved in advance by the advisor for the program. | |
| c. Write a white paper, approved in advance by the advisor for the program. | |
| 5. Attend monthly student seminars as directed by the advisor for the program. | |

Students may apply to waive either the natural science or social science/policy course requirement if they demonstrate competence. Students should contact the advisor for the program to apply for a waiver.

GRADUATE SPECIALIZATION IN FOOD AND AGRICULTURAL STANDARDS

The Graduate Specialization in Food and Agricultural Standards is administered by the College of Agriculture and Natural Resources and the College of Social Science. The primary administrative unit for this specialization is the College of Social Science.

The Graduate Specialization in Food and Agricultural Standards is available as an elective for students who are enrolled in master's and doctoral programs at Michigan State University. This specialization is designed for graduate students who wish to explore connections among the political, ethical, strategic, and technical considerations presented by food and agricultural standards. Students enrolled in this specialization will develop their understanding of the relationships that connect science and technology to the creation, maintenance, and modification of agrifood standards; the ethical and value issues raised by standards in domestic and international agricultural production and marketing; the cultural and sociopolitical dynamics surrounding the development, maintenance, and change of agrifood standards; and the policy implications of global agrifood standards, including how the process of standards creation and implementation may be made more accountable, transparent, and democratic.

Students who are interested in the specialization must contact the advisor for the Graduate Specialization in Food and Agricultural Standards in the College of Social Science. To be admitted to the specialization, a student must have been admitted to a graduate program at Michigan State University. Each student's program of study must be approved by the adviser for the specialization. Students are not permitted to take all elective courses within their own discipline.

With the approval of the department and college that administer the student's degree program, courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for a master's or doctoral degree.

Requirements for the Graduate Specialization in Food and Agricultural Standards

The student must complete a total of 15 credits. At least three courses or 9 credits must be in 800-level courses.

| | CREDITS |
|--|---------|
| 1. Complete the following course: | |
| SSC 820 Proseminar in Food and Agricultural Standards | 3 |
| 2. Complete at least 3 credits from each of the following three areas: | |
| Regulatory Frameworks | |
| ANR 811 U.S. Food Laws and Regulations | 3 |
| FSC 420 Quality Assurance | 2 |
| FSC 421 Food Laws and Regulations | 3 |
| FSC 490 Special Problems in Food Science | 3 |
| LIR 868 Employment Law | 3 |
| SOC 890 Individual Readings | 3 |

SOCIAL SCIENCE

Interdepartmental Graduate Specializations

| | | | |
|---|-----|--|---|
| Economic and Political Approaches | | | |
| AEC | 817 | Political Economy of Agricultural and Trade Policy. | 3 |
| AEC | 831 | Food Marketing Management. | 3 |
| AEC | 841 | Analysis of Food System Organization and Performance. | 3 |
| EC | 840 | International trade: Theory and Commercial Policy. | 3 |
| GEO | 415 | Location Theory and Land Use Analysis. | 3 |
| PLS | 902 | Research Seminar in Evaluation Research. | 3 |
| Human Dimensions and Social Perspectives | | | |
| ANP | 867 | Social Impact Analysis. | 3 |
| GEO | 402 | Agricultural Climatology. | 3 |
| GEO | 432 | Environmental Ethics in Geography (W). | 3 |
| GEO | 454 | Spatial Aspects of Regional Development. | 3 |
| HNF | 406 | Sociocultural Aspects of Food. | 3 |
| HRT | 486 | Biotechnology in Agriculture: Applications and Ethical Issues. | 3 |
| RD | 444 | Pesticides, People and Politics. | 3 |
| SOC | 861 | Agricultural Structure and Change. | 3 |
| SOC | 868 | Science and Technology. | 3 |
| VM | 828 | Food Safety Seminar Series. | 1 |
| VM | 829 | Problems in Food Safety. | 1 |
| 3. Complete the following course: | | | |
| SSC | 891 | Food and Agricultural Standards. | 3 |

GRADUATE SPECIALIZATION IN GLOBAL URBAN STUDIES

The Graduate Specialization in Global Urban Studies, which is administered by the College of Social Science, offers interdisciplinary doctoral-level study, integrated with programs offered by disciplinary departments and is available as an elective to students who are enrolled in doctoral degree programs at Michigan State University.

The Graduate Specialization in Global Urban Studies addresses political, spatial, cultural, and economic processes and issues in urban areas across the United States and the world, as well as the global processes that impact and unite urban areas. Course work includes foci on urban areas in the United States and abroad; urban areas in comparative context regionally, nationally and internationally; and how the forces of globalization change urban areas.

With the approval of the department and college that administers the student's degree program, the courses that are used to satisfy the specialization may also be used to satisfy the requirements for the doctoral degree.

Requirements for the Graduate Specialization in Global Urban Studies

| | | | |
|-------------------------------|---|---|---------|
| | | | CREDITS |
| | | | 6 |
| 1. | Both of the following courses: | | |
| | SSC | 800 The World System of Cities. | 3 |
| | SSC | 886 Global Urban Research Practicum. | 3 |
| 2. | Complete two of the following courses. Each course must be from a different sphere. Students may select other courses from other departments or disciplines with the approval of the specialization advisor. (6 or 7 credits) | | |
| Political Sphere | | | |
| | PLS | 808 Issues in Urban Policy and Services. | 3 |
| | PLS | 822 Urban Government and Politics. | 3 |
| Spatial Sphere | | | |
| | GEO | 413 Urban Geography. | 3 |
| | GEO | 453 Metropolitan Environments: Urban Form and Land Use. | 3 |
| | UP | 823 Urban Land Management. | 4 |
| Social/Cultural Sphere | | | |
| | ANP | 815 Transnational Processes and Identities (D). | 3 |
| | HST | 410 History of Western Urbanization. | 3 |
| | SOC | 838 Comparative Urban Theory. | 3 |
| Economic Sphere | | | |
| | AEC | 991 Advanced Topics in Agricultural Economics. | 3 |
| | EC | 840 International Trade: Theory and Commercial Policy. | 3 |

INTERDEPARTMENTAL GRADUATE SPECIALIZATION IN INFANCY AND EARLY CHILDHOOD

The Interdepartmental Graduate Specialization in Infancy and Early Childhood is available as an elective for students who are enrolled in master's and doctoral degree programs in the departments of Anthropology, Audiology and Speech Sciences; Counseling, Educational Psychology and Special Education; Family and Child Ecology; Food Science and Human Nutrition; Kinesiology; Psychology; and Sociology, in the Educational Specialist degree program in the Department of Counseling, Educational Psychology and Special Education; in the Master of Social Work degree programs in the School of Social Work; in the Master of Science in Nursing degree program in the College of Nursing; and in the graduate-professional degree programs in the College of Human Medicine and the College of Osteopathic Medicine. The College of Social Science administers the specialization in collaboration with the School of Social Work, the cooperating units, an executive committee, and an advisory committee comprised of faculty members from each participating unit.

The quality of life during the first five years of human development provides the foundation upon which all subsequent development is built. As a result of advances in biomedical technology, social-cultural conditions, and legislation, increasing attention is being directed toward the optimal development of infants and their families.

The specialization is designed to prepare practitioners to meet the challenges of service delivery for very young children and their families and is based on the philosophy that a interdisciplinary educational program is the best educational experience for professionals who will work with infants, very young children, and their families. The specialization is also designed to provide a knowledge base that will facilitate the work of graduates who pursue careers in agencies, institutions, and government organizations that offer services to very young children, as well as those who pursue careers in teaching and research relevant to the needs of infants, very young children, and their families.

The Interdepartmental Graduate Specialization in Infancy and Early Childhood will:

1. Provide an opportunity for graduate students to obtain a comprehensive and contemporary academic experience in the field of infancy and early childhood development.
2. Help graduate students with an interest in working with very young children to become aware of their professional obligations and responsibilities.
3. Develop an intellectual environment that will foster the growth of research and teaching in the area of human infancy and early childhood development, as well as sensitize students to clinical, educational, and social policy issues related to early human development.
4. Increase public awareness of the critical importance of the early years of human development.

A student who is enrolled in a master's, educational specialist, doctoral, or graduate-professional degree program in one of the 12 participating academic units and who wishes to complete the requirements for an Interdepartmental Graduate Specialization in Infancy and Early Childhood should send their application to the director of the specialization. Qualified applicants must have a minimum grade-point average of 3.0. Once accepted into the specialization, students must identify a faculty member from their own discipline who is able to oversee their study in infancy and early childhood development, and to chair their guidance committee. Students are encouraged to actively solicit input from at least one faculty member from a discipline other than their home department, who will serve as a representative on the student's guidance committee.

Students should work closely with their advisors within their academic units to develop meaningful experiences that are directly related to infancy and early childhood development studies. Credits that are used to meet the requirements for the specialization may also be counted toward the requirements for the student's degree program at the discretion of the academic unit in which the student is enrolled.

Students who are pursuing the Interdepartmental Graduate Specialization in Infancy and Early Childhood are required to attend monthly seminars with members of the specialization faculty, staff, and other students in the program.

Requirements for the Specialization in Infancy and Early Childhood

Students must complete a minimum of 12 credits for the Graduate Specialization in Infancy and Early Childhood. The student's program of study must be approved by the student's guidance committee. The student must:

1. Master competencies through a variety of experiences including completion of a portfolio that demonstrates mastery of infancy and early childhood foundations, and a final oral or written examination across the following areas: theory, practice, policy, and research.
2. Complete 12 credits of course work including:
 - a. **Master's students.** A minimum of 4 credits of the Graduate Specialization in Infancy and Early Childhood seminar. Students should enroll in an 890 Independent Study through their home department. If an 890 course is not available, students may enroll for SW 890 Independent Study.
 - b. **Doctoral students.** A minimum of 6 credits of the Graduate Specialization in Infancy and Early Childhood seminar. Students should enroll in an 890 Independent Study through their home department. If an 890 course is not available, students may enroll for SW 890 Independent Study.
 - c. All students are required to complete an additional 6 to 8 credits of course work from two disciplines outside of their home unit. Students may choose courses from the following:

| | |
|---|---|
| Anthropology | |
| ANP 423 Psychological Anthropology | 3 |
| ANP 470 Food, Hunger, and Society | 3 |
| Audiology and Speech Sciences | |
| ASC 823E Assessment of Child Language Disorders | 3 |
| ASC 823F Language Intervention: Early Stages | 3 |
| ASC 823G Language Intervention: Later Stages | 3 |
| ASC 991 Special Topics in Communication Sciences and Disorders | 3 |
| ASC 992 Seminar in Communication Sciences and Disorders | 3 |
| Counseling, Educational Psychology and Special Education | |
| CEP 801 Psychological Development: Learner Differences and Commonalities | 3 |
| CEP 903 Cognitive Development Across the Lifespan | 3 |
| CEP 904 Social-Emotional Development across the Lifespan | 3 |
| Family and Child Ecology | |
| FCE 411 Developmental Study of a Child | 2 |
| FCE 811 Child Development: Ecological Perspectives | 3 |
| FCE 814 Parenthood and Parent Education | 3 |
| FCE 821 Early Childhood Education: Curricular Approaches | 3 |
| FCE 822 Assessment of the Young Child | 3 |
| FCE 823 Infant Programs and Practices | 3 |
| FCE 825 Families with Special Needs Children: An Ecological Perspective | 3 |
| FCE 838 Early Literacy Development | 3 |
| FCE 845 Foundations of Family Study | 3 |
| FCE 895 Families in Poverty | 3 |
| FCE 896 Child Development Across Cultures | 3 |
| FCE 898 Play in Human Development | 3 |
| Human Nutrition and Foods | |
| HNF 453 Nutrition and Human Development | 3 |
| HNF 840 Human Nutrition and Chronic Diseases | 3 |
| Kinesiology | |
| KIN 860 Growth and Motor Behavior | 3 |
| KIN 890 Independent Study in Kinesiology | 3 |
| KIN 893 Internship in Kinesiology | 3 |
| KIN 894 Field Experience in Kinesiology | 3 |
| KIN 990 Independent Study in Kinesiology | 3 |
| Pediatrics and Human Development | |
| PHD 523 Genetics for Medical Practice | 1 |
| Psychology | |
| PSY 424 Child and Family Psychopathology | 3 |
| PSY 829 Child and Family Assessment | 4 |
| PSY 950 Advanced Child and Family Interventions | 3 |
| PSY 992 Seminar in Psychology | 3 |
| Sociology | |
| SOC 475 Sociology of Health Care Systems | 3 |
| SOC 476 Social Psychology of Health | 3 |
| Social Work | |
| SW 811 Social Work Perspectives in Human Development | 3 |
| SW 822A Social Welfare Policy and Services: Children, Youth, and Families | 3 |

| | |
|---|---|
| SW 873 Social Work in Educational Settings | 3 |
| SW 874 Assessment and Testing in School Social Work | 3 |
| SW 875 School Social Work Intervention: Children with Special Needs | 3 |
| SW 891 Special Topics in Graduate Social Work | 3 |

3. Complete a semester-long internship.

GRADUATE SPECIALIZATION IN INTERNATIONAL DEVELOPMENT

The Graduate Specialization in International Development are available as electives for students who are enrolled in master's and doctoral degree programs at Michigan State University. The College of Social Science administers the specialization. The graduate academic advisor for international development, located in the college, coordinates the specialization on behalf of the Dean.

The Specialization in International Development is designed to:

1. Provide an opportunity for graduate students to obtain a comprehensive and contemporary academic experience in the field of international development studies.
2. Sensitize graduate students with an interest in development studies to their professional obligations and responsibilities.
3. Develop an intellectual environment that will foster the growth of research and teaching in the area of development studies.

The graduate academic advisor for international development in the College of Social Science is responsible for establishing a guidance committee for the specialization for each student. With the approval of the graduate academic advisor for international development in the College of Social Science, a guidance committee that has responsibility for overseeing a student's master's or doctoral degree program will normally oversee the student's program of study for the specialization. At least one member of the committee must be a member of the international development core faculty who will serve as the student's academic advisor for the specialization.

Students who elect the specialization may be required to study the foreign language most relevant to their educational and career objectives, to acquire practical experience in development work, and to complete courses in addition to the courses that are used to satisfy the requirements for the specialization.

Although separate graduate specializations in international development have been established for master's and doctoral students, a given student may receive certification of completion of *either* the specialization for master's students *or* the specialization for doctoral students, but not for both of the specializations.

With the approval of the department or school and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the degree.

Requirements for the Graduate Specialization in International Development

The student must complete a concentration within international development such as gender and health, gender and work, rural development, environment and development, development administration, nongovernmental organizations in development, or politics of development. Any course that was used to satisfy the requirements for the undergraduate Specialization in International Development may *not* be used to satisfy the requirements for the Graduate Specialization in International Development. The student's program of study must be approved by the student's guidance committee for the specialization and must meet the requirements specified below:

CREDITS

Master's Student: The student must complete 12 credits as outlined below. At least half of the credits must come from outside the student's major.

- (1) Complete two of the Core Courses listed below. Only one of the courses may be at the 400 level.

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- (2) Complete at least two additional courses, of at least 3 credits each, which are relevant to the student's concentration within international development. 6
- Doctoral Student: The student must complete 18 credits as outlined below:
- (1) Complete two of the Core Courses listed below. Only one of the courses may be at the 400 level. 6
- (2) Complete at least four additional courses, of at least 3 credits each, which are relevant to the student's concentration within international development. 12
- (3) Pass a written comprehensive examination on the student's concentration within international development. With the approval of the department or school and college that administer the student's degree program, this examination may be incorporated into the comprehensive examinations that are required for the degree.

Core Courses:

| | | CREDITS |
|-----|-----|---|
| AEC | 861 | Agriculture in Economic Development 3 |
| ANP | 867 | Archaeological Theory 3 |
| EC | 410 | Issues in the Economics of Developing Countries 3 |
| GEO | 454 | Spatial Aspects of Regional Development 3 |
| PLS | 853 | Political Economy of Development Policy 3 |
| RD | 826 | International Development and Sustainability. 3 |
| SOC | 832 | International Inequality and Development 3 |
| WS | 403 | Women and Change in Developing Countries 3 |

INTERDEPARTMENTAL GRADUATE SPECIALIZATION IN COGNITIVE SCIENCE

The Interdepartmental Graduate Specialization in Cognitive Science are available for students who are enrolled in master's and doctoral degree programs in Audiology and Speech Sciences; Computer Science; Ecology, Evolutionary Biology and Behavior; Geography; Linguistics and Germanic, Slavic, Asian and African Languages; Neuroscience; Philosophy; Physics and Astronomy; Physiology; Psychiatry; Psychology; Telecommunication; and Zoology. The College of Social Science administers the specialization.

One of the most important remaining mysteries in science is the nature of mind, whether mind be embodied in the neurons of the brain or in the silicon stuff of computer chips in an artificial brain-like system. Cognitive Science explores how biological systems process information to produce thought and adaptive behavior and whether artificial systems can be endowed with the same capabilities. The scientific study of the nature of mind requires a concerted effort by investigators from many different theoretical perspectives, empirical traditions, and academic disciplines. The program will make available to students an interdisciplinary field that encompasses approaches to solving the problems of understanding the mind from a number of sharply different directions. Students will learn about, and engage in, research on these problems under more than one disciplinary umbrella. The specialization is supervised by the Cognitive Science Graduate Affairs Committee.

Students seeking admission to the specialization must contact the Director of the Cognitive Science Program. To be admitted, a student must have completed a bachelor's degree with a grade-point average of at least 3.0 and have been admitted to a master's or doctoral program in one of the participating departments. Students should submit a cover letter and a personal statement describing their interest in cognitive science and their objectives in seeking admission. Additional documentation may be requested.

Requirements for the Specialization in Cognitive Science

The Specialization in Cognitive Science is offered at both the master's and the doctoral level. No student may receive certification at both levels. During the first year of the master's or doctoral program, the student and the major professor select a guidance committee to assist in planning both the student's degree program and specialization. At least one member of a master's student's guidance committee and two members of a doctoral student's guidance committee shall be members of the Cognitive Science faculty, with one of the latter from a discipline outside the student's major department.

Credits that are used to meet the requirements of the specialization may also be used to satisfy the requirements for the student's major at the discretion of the department or college. Courses that are used to satisfy the requirements for the specialization must be approved by the student's guidance committee and should demonstrate competence in at least two areas of cognitive science.

Master's Students must:

1. Complete 18 credits of course work as specified below.
2. Participate in a research project **outside** their major department, either by completing one semester of work in a laboratory project or by enrolling in an independent study course involving collaborative work with a member of the cognitive science faculty.

Plan A students will also complete a thesis reflecting the integration of the student's discipline and Cognitive Science.

Doctoral Students must:

1. Complete 18 credits or course work as specified below.
2. Participate in a research project **outside** their major department, either by completing one semester of work in a laboratory project or by enrolling in an independent study course involving collaborative work with a member of the cognitive science faculty.
3. Complete a dissertation that reflects the integration of the student's discipline and Cognitive Science.

Required Core Courses

| | | | |
|---|------|---|---|
| PSY | 863 | Seminar in Cognitive Science. | 1 |
| At least 16 additional credits in courses relevant to Cognitive Science. | | | |
| At least 6 of these credits, chosen from the following, must be in courses outside the student's major. | | | |
| ASC | 813 | Neuroanatomy and Neurophysiology of Speech, Language, and Hearing | 3 |
| ASC | 823A | Acquired Language Disorders | 3 |
| ASC | 914A | Speech Production and Perception I | 4 |
| ASC | 914B | Speech Production and Perception II | 4 |
| CSE | 802 | Pattern Recognition and Analysis. | 4 |
| CSE | 803 | Computer Vision | 3 |
| CSE | 841 | Artificial Intelligence | 3 |
| CSE | 845 | Knowledge-Based Systems | 4 |
| CSE | 847 | Machine Learning | 3 |
| CSE | 848 | Evolutionary Computation. | 3 |
| CSE | 885 | Artificial Neural Networks | 3 |
| CSE | 941 | Selected Topics in Artificial Intelligence | 3 |
| LIN | 824 | Phonological Theory I. | 3 |
| LIN | 834 | Syntactic Theory I | 3 |
| LIN | 837 | Advanced Studies in Semantics and Pragmatics | 3 |
| LIN | 850 | Advanced Studies in Child Language Acquisition | 3 |
| PHL | 860 | Seminar in Metaphysics and Epistemology | 3 |
| PHL | 880 | Seminar in Philosophy of Science | 3 |
| PSY | 801 | Sensation and Perception. | 3 |
| PSY | 802 | Basic Cognitive Processes | 3 |
| PSY | 803 | Higher Order Cognitive Processes | 3 |
| PSY | 814 | Psycholinguistics | 3 |
| PSY | 851 | Neuropsychology | 4 |
| ZOL | 822 | Topics in Ethology and Behavioral Ecology | 3 |

Other course may be substituted with prior approval of the Cognitive Science Graduate Affairs Committee.

DEPARTMENT of ANTHROPOLOGY

Jodie A. O’Gorman, Chairperson

Anthropology takes humans and their cultures, throughout the world and through the entirety of human history, as its central object of study. This field gives students a framework for understanding their place in the natural world. It examines humanity’s evolutionary background and development, the organization of social and cultural life, the nature of culture as a system of meaning to organize and interpret experience, the evolution of societies, and the interrelationships between culture and shared ways of thinking and feeling.

Major points of orientation within anthropology include the search for patterning of cultural behavior amidst the immense variation found within and among cultures, the study of principles of cultural dynamics, the analysis of processes of change and stability within social and cultural structures, cross-cultural comparisons of different societies, the study of patterns of development of societies from simple to complex, and the functioning of cultural institutions as parts of overall sociocultural systems.

Anthropology views the world of humanity’s many cultures as a natural laboratory in which a multitude of varied historical adaptations have developed and are continuing to evolve, the study of which can help in the understanding of human behavior and the course of history. Providing an excellent foundation for a diverse, liberal education, the study of anthropology also contributes to the preparation of students for careers in education, medicine, business and industry, government service, and other walks of life in which a broad knowledge of cultural dynamics, ethnic diversity and human relations is important.

The department offers courses in archaeology, cultural anthropology, linguistic anthropology, medical anthropology, forensic anthropology, and bioarchaeology.

Visit www.anthropology.msu.edu.

UNDERGRADUATE PROGRAM

Requirements for the Bachelor of Arts Degree in Anthropology

- The University requirements for bachelor’s degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor or Arts degree in Anthropology.
The University’s Tier II writing requirement for the Anthropology major is met by completing Anthropology 489. That course is referenced in item 3. a. below.
- The requirements of the College of Social Science for the Bachelor of Arts degree.

| | CREDITS |
|---|---------|
| 3. The following required major courses: | 30 |
| a. All of the following courses: | |
| ANP 201 Sociocultural Diversity | 3 |
| ANP 202 Biocultural Evolution | 3 |
| ANP 489 Anthropology Capstone Course (W) | 3 |
| b. One area course from Anthropology 410, 411, 412, 414, 415, 416, 432, 433, 434, 450, 451, 452, 453. | |
| c. One topical/analytical course from Anthropology 203, 320, 321, 322, 330, 340, 361, 363, 370, 420, 422, 423, 424, 426, 428, 430, 431, 440, 441, 442, 460, 461, 462, 470, 480. | |
| d. One anthropological methods course selected from Anthropology 429, 441, 463, and 464. | |
| e. Four additional Anthropology courses, at least three of which must be at the 300–400 level. Anthropology 101 may not be used to meet this requirement. | |

Requirements for the Bachelor of Science Degree in Anthropology

- The University requirements for the bachelor’s degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Anthropology.
The completion of Statistics and Probability 200, 201, or 421, referenced in item 3. f. below may also satisfy the University mathematics requirement or the College of Social Science NATURAL SCIENCE REQUIREMENT, but not both.
- The College of Social Science requirements for the Bachelor of Science degree.
The College’s NATURAL SCIENCE REQUIREMENT for the Anthropology major is met by completing 15 additional credits in courses offered by a department or program in the College of Natural Science, chosen from at least two of the following: Biochemistry and Molecular Biology, Biological Science, Chemistry, Entomology, Geological Sciences, Mathematics, Microbiology and Molecular Genetics, Physics and Astronomy, Plant Biology, Plant Pathology, Physiology, Statistics and Probability, and Zoology. Relevant natural science courses offered through any other college may be taken with the approval of the student’s academic advisor.

| | CREDITS |
|---|---------|
| 3. The following requirements for the major: | 30 |
| a. All of the following courses: | |
| ANP 201 Sociocultural Diversity | 3 |
| ANP 202 Biocultural Evolution | 3 |
| ANP 489 Anthropology Capstone Course (W) | 3 |
| b. One area course from Anthropology 410, 411, 412, 414, 415, 416, 432, 433, 434, 450, 451, 452, 453. | |
| c. One topical/analytical course from Anthropology 203, 320, 321, 322, 330, 340, 361, 363, 370, 420, 422, 423, 424, 426, 428, 430, 431, 440, 441, 442, 460, 461, 462, 470, 480. | |
| d. One anthropological methods course selected from Anthropology 429, 441, 463, 464. | |
| e. Four additional Anthropology courses, at least three of which must be at the 300–400 level. Anthropology 101 may not be used to meet this requirement. | |
| f. One statistics and probability course selected from STT 200, 201, 421; or PSY 295. | |

MINOR IN ANTHROPOLOGY

The Minor in Anthropology, which is administered by the Department of Anthropology, provides a basic foundation for the breadth of study within the field of anthropology, and a grounding in general anthropological theory. Students obtain knowledge of at least one advanced topic in the field and command of the anthropological literature in at least one geographical area.

This minor is available as an elective to students who are enrolled in bachelor’s degree programs at Michigan State University other than the Bachelor of Arts or Bachelor of Science Degree in Anthropology. With the approval of the department and college that administer the student’s degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor’s degree. At least 12 unique credits counted towards the requirements for a student’s minor must not be used to fulfill the requirements for that student’s major.

Students who plan to complete the requirements of the minor should consult the undergraduate advisor in the Department of Anthropology.

Requirements for the Minor in Anthropology

| | CREDITS |
|---|---------|
| Complete 19 or 20 credits in the Department of Anthropology from the following: | |
| 1. Both of the following courses (7 credits): | |
| ANP 201 Sociocultural Diversity | 3 |
| ANP 320 Social and Cultural Analysis | 4 |
| 2. One of the following courses (3 or 4 credits): | |
| ANP 202 Biocultural Evolution | 3 |
| ANP 340 Introduction to Physical Anthropology | 4 |
| 3. One of the following courses (3 credits): | |
| ANP 203 Introduction to Archaeology | 3 |
| ANP 363 Rise of Civilization | 3 |
| 4. Complete 3 credits in an area course chosen from a list of approved courses available from the undergraduate advisor. | |
| 5. Complete 3 credits in a topics course chosen from a list of approved courses available from the undergraduate advisor. | |

GRADUATE STUDY

The Department of Anthropology offers programs of study leading to the Master of Arts and Doctor of Philosophy degrees.

Anthropology majors are encouraged, with the consent of their guidance committees, to complete a cognate in a field outside the department. Similarly, the department offers a cognate in anthropology to individuals with majors in other disciplines.

Students who are enrolled in Master of Arts and Doctor of Philosophy degree programs in the Department of Anthropology may elect specializations in Infancy and Early Childhood. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Infancy and Early Childhood*.

Master of Arts

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

Students applying for admission to the master's program in anthropology will be considered regardless of the field of their previous academic training. It is, however, recommended that students have earned at least 12 undergraduate credits in anthropology before entering the program. Admission on other than a provisional status is normally contingent upon the possession of a bachelor's degree from a recognized college or university, and a junior–senior undergraduate grade–point average of 3.0 or better in academic studies.

Requirements for the Master of Arts Degree for Students Who Are Enrolled in the Master of Arts Degree Program with a Major in Anthropology

Students who are enrolled in the Master of Arts degree program with a major in Anthropology must complete 30 credits under Plan A (with thesis). The Plan B option is available **only** to students who are enrolled in the Doctor of Philosophy degree program with a major in Anthropology and who wish to meet the requirements for the Master of Arts degree as part of the Doctor of Philosophy degree program. Normally students complete the requirements for the Master of Arts degree in three to four years.

Plan A requirements include:

1. A minimum of four anthropological foundation courses as specified by the department according to the student's subdiscipline.
2. Anthropology 840.
3. A methods course in anthropology or a substitute approved by the student's guidance committee.

Requirements for the Master of Arts Degree for Students Who Are Enrolled in the Doctor of Philosophy Degree Program with a Major in Anthropology

Students who are enrolled in the Doctor of Philosophy degree program with a major in Anthropology and who wish to meet the requirements for a Master of Arts degree with a major in Anthropology as part of the Doctor of Philosophy degree program must complete 30 credits under Plan B (without thesis). The Plan B option is available **only** to students who are admitted to the Doctor of Philosophy degree program with a major in Anthropology. Normally students meet the requirements for the Master of Arts degree during the third year of study in the doctoral program.

Plan B requirements include:

1. A minimum of 4 anthropological foundation courses as specified by the department according to the student's subdiscipline.
2. Anthropology 840.
3. A methods course in anthropology or a substitute approved by the student's guidance committee.

4. Completion of all additional required courses to a minimum of 30 credits as specified by the guidance committee.
5. Pass the doctoral evaluation procedure at the end of both the first and second years in residence.
6. Satisfactorily complete the Ph.D. comprehensive examination administered by the student's guidance committee and approved by the faculty.

Doctor of Philosophy

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

A master's degree is not a prerequisite for admission to the doctoral program in anthropology. Students who wish to transfer into the doctoral degree program from the master's degree program must complete the regular application procedure for admission to the doctoral program.

Requirements for the Doctor of Philosophy Degree in Anthropology

1. Complete five anthropological foundation courses chosen from a departmentally approved list in consultation with the guidance committee. The courses are designed to provide a strong postgraduate foundation in anthropology's subdisciplines, as well as to serve students' individual needs. The courses must be distributed in accordance with the student's subdisciplinary focus and must be completed before the comprehensive examination.
2. Complete Anthropology 840.
3. Complete at least one methods course as specified by the department in accordance with the student's subdisciplinary focus.
4. Pass the doctoral evaluation procedure at the end of both the first and second years in residence.
5. Complete a flexible program of elective study related to the student's special areas of interest.
6. Complete an original field research program as the basis for a dissertation.

Academic Standards

The student's performance in courses during both the first and second years of residence is evaluated to determine the student's ability to proceed with the doctoral program. Passing the doctoral evaluation procedure at the end of the second year in residence qualifies the student to proceed with the doctoral program.

PROFESSIONAL APPLICATIONS IN ANTHROPOLOGY

Master of Arts

The Master of Arts in Professional Applications in Anthropology will allow students to select a flexible but highly focused plan of study to prepare for positions as practicing anthropologists in government or the private sector. In addition to specialized training within the field of anthropology, students will be expected to elect courses in a field related to the practice of anthropology such as geographical information systems (GIS), cartography, resource development, management of nonprofit organizations, museum studies, or another practice-oriented specialty that is approved by the student's guidance committee. Students will also obtain experience as practicing professionals.

This program includes three areas of professional development: (1) in-depth knowledge of the discipline of anthropology; (2) demonstrated command of communication and presentation skills, as shown in the writing and public presentation of a master's paper; (3) demonstrated practical experience, obtained either as part of past employment, or as an internship within the public or private sector.

In addition to meeting the requirements of the university and the College of Social Science, students must meet the requirements specified below.

Admission

Students applying for admission to the master’s program in professional applications in anthropology will be considered regardless of the field of their previous academic training. It is, however, recommended that students have earned at least 12 undergraduate credits in anthropology before entering the program. Admission on other than a provisional status is normally contingent upon the possession of a bachelor’s degree from a recognized college or university, and a junior-senior undergraduate grade-point average of 3.0 or better in academic studies.

Requirements for the Master of Arts Degree in Professional Applications in Anthropology

Students who are enrolled in the Master of Arts degree program with a major in Professional Applications in Anthropology must complete a minimum of 30 credits, 15 which must be earned in anthropology, under Plan B (without thesis). The student’s program of study must be approved by the student’s guidance committee. Normally students complete the requirements for the Master of Arts degree in two years.

The student must meet the following requirements:

1. Completion of Anthropology 840, 855, and 901.
2. A methods course in anthropology.
3. Completion of additional courses in anthropology and other disciplines.
4. Satisfactory completion and presentation of a master’s paper, which is submitted to the Department.
5. Completion of an approved internship, Anthropology 900, unless this requirement is specifically waived by the student’s guidance committee.

RESEARCH OPPORTUNITIES

The African, Asian, and Latin American Studies Centers offer unique opportunities for the support of anthropological research. The University Museum, International Studies and Programs, the Center for Advanced Studies in International Development (CASID), the Office of Women in Development (WID), the Agricultural Experiment Station, Urban Affairs Programs, the Hispanic Research Institute, and the Midwest Universities Consortium for International Activities, Incorporated (MUCIA), also support research. A program of study may be developed in cooperation with the College of Human Medicine.

**SCHOOL of
CRIMINAL JUSTICE**

Edmund F. McGarrell, Director

Free and democratic society requires a commitment to safety and security as well as to core values of justice, equity, and civil liberty. Indeed, the appropriate balance of security and liberty is an ongoing challenge of free societies. Public and private agencies at various levels provide for security, safety, justice, and freedom through efforts to prevent crime and to appropriately respond to crime when it does occur.

The academic study of criminal justice through the Bachelor of Arts, Master of Science, and Doctor of Philosophy degree programs in the School of Criminal Justice is based on the belief that the study of the causes of crime and delinquency must be combined with the study of the institutions and processes involved in the prevention and response to crime and delinquency. Additionally, the systematic study of crime, criminal behavior, and criminal justice and security processes should be informed by multidisciplinary theory and research. The challenges posed by crime and security in contemporary society necessitate well-educated professionals prepared for careers in criminal justice, security, and related areas.

The School of Criminal Justice offers undergraduate and graduate specializations in security management, a graduate specialization in forensic science, and in judicial administration, a Master of Science degree in Forensic Science, and a Doctor of Philosophy degree in Criminal Justice.

UNDERGRADUATE PROGRAMS

Bachelor of Arts

CRIMINAL JUSTICE

The Bachelor of Arts degree program in criminal justice is designed to prepare students for entry level positions in public and private agencies identified with criminal justice administration. Such agencies apprehend offenders, adjudicate alleged offenses, redirect emergent criminal careers, and promote industrial and commercial security. Such agencies also encourage and emphasize community responsibility for the success of their programs.

The bachelor’s program in criminal justice provides a basic orientation to the institutions and processes of criminal justice and offers students wide exposure to all of the major disciplines of the criminal justice system. The program promotes general knowledge through core and social science courses. It provides students with the opportunity to pursue interests in the following areas: juvenile justice, police administration, adult corrections, and security.

Requirements for the Bachelor of Arts Degree in Criminal Justice

1. The requirements of the University as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Criminal Justice.
The University’s Tier II writing requirement for the Criminal Justice major is met by completing one of the following courses: Criminal Justice 424, 427, 430, 445, 456, 465, or 485. Those courses are referenced in item 3. a. (3) below.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.
3. The following requirements for the major:

| | CREDITS |
|--|---------|
| a. The following courses in the School of Criminal Justice: | 30 |
| (1) All of the following Prerequisite Courses (12 credits): | |
| CJ 110 Introduction to Criminal Justice | 3 |
| CJ 220 Criminology | 3 |
| CJ 275 Criminal Procedure | 3 |
| CJ 292 Methods of Criminal Justice Research | 3 |
| (2) Two or three of the following courses (6 to 9 credits): | |
| CJ 335 Policing | 3 |
| CJ 365 Corrections | 3 |
| CJ 355 Juvenile Justice | 3 |
| CJ 385 Private Security | 3 |
| (3) Nine to 12 credits from the following courses including 3 credits in Criminal Justice 424, 427, 430, 445, 456, 465, or 485. At least 9 credits must be at the 400-level. | |
| CJ 210 Introduction to Forensic Science | 3 |
| CJ 235 Investigation Procedures | 3 |
| CJ 400H Honors Study | 1 to 3 |
| CJ 421 Minorities, Crime, and Social Policy | 3 |
| CJ 422 Comparative and Historical Criminal Justice | 3 |

SOCIAL SCIENCE
School of Criminal Justice

| | | | |
|----|-----|---|--------|
| CJ | 424 | Crime, Mass Media, and Society (W) | 3 |
| CJ | 425 | Women and Criminal Justice | 3 |
| CJ | 426 | Violence Against Women (W) | 3 |
| CJ | 427 | Criminology and Public Policy (W) | 3 |
| CJ | 429 | Interdisciplinary Topics in Cybersecurity | 3 |
| CJ | 430 | Advanced Seminar in Policing (W) | 3 |
| CJ | 432 | Community Policing | 3 |
| CJ | 433 | Law Enforcement Intelligence Operations | 3 |
| CJ | 434 | Police Administration | 3 |
| CJ | 439 | Homeland Security | 3 |
| CJ | 445 | Cyber-Crime and Cyber-Security (W) | 3 |
| CJ | 456 | Criminal Careers and Career Criminals (W) | 3 |
| CJ | 465 | Critical Issues in Corrections (W) | 3 |
| CJ | 466 | Corrections Organizations and Systems (W) | 3 |
| CJ | 471 | Law of Corrections | 3 |
| CJ | 474 | Law and Criminal Justice Policy | 3 |
| CJ | 485 | Asset Protection Management (W) | 3 |
| CJ | 490 | Independent Study | 1 to 3 |
| CJ | 491 | Topics in Criminal Justice | 2 to 4 |

SPECIALIZATION IN SECURITY MANAGEMENT

The complexities of modern society have combined to generate a variety of threats to business organizations, information networks, government installations and operations, and individuals. The Undergraduate Specialization in Security Management is designed for students who are interested in private and government security.

The specialization, which is administered by the School of Criminal Justice, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. The specialization should be of particular interest to students who are enrolled in certain programs in the Eli Broad College of Business and the College of Social Science, and to students who are enrolled in the Bachelor of Science degree program in computer science.

The Specialization in Security Management is designed to help students to understand:

1. The business and technical aspects of protecting private and government assets.
2. The administrative, management, technical, and legal problems of asset protection and loss prevention.
3. Concepts related to protecting personal and personnel rights, proprietary information, facilities, and other assets of an organization.
4. Security's relationship to the value of freedom and democratic principles in our society.

With the approval of the department or school and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree.

Requirements for the Undergraduate Specialization in Security Management

The student must complete:

| | CREDITS | |
|---|-------------------------------------|---|
| 1. All of the following courses (18 credits): | | |
| ACC 230 | Survey of Accounting Concepts | 3 |
| CJ 335 | Policing | 3 |
| CJ 385 | Introduction to Private Security | 3 |
| CJ 435 | Investigation Procedures | 3 |
| CJ 485 | Asset Protection Management (W) | 3 |
| CJ 494 | Criminal Justice Practicum | 3 |
| 2. One of the following courses (3 or 4 credits): | | |
| CSE 101 | Computing Concepts and Competencies | 3 |
| CSE 231 | Introduction to Programming I | 4 |
| 3. One of the following courses (3 credits): | | |
| FI 320 | Introduction to Finance | 3 |
| GBL 323 | Introduction to Business Law | 3 |
| MGT 325 | Management Skills and Processes | 3 |
| MSC 327 | Introduction to Marketing | 3 |

GRADUATE STUDY

The School of Criminal Justice is at the forefront of education in the nature of crime, administration of criminal justice, security management and administration, and the legal system. Throughout the program there is an emphasis on the relationship between theory and practice as well as the interconnection of the activities of the many agencies and professions involved in the systems of justice and private security. Through their research, teaching, and practice, graduates can contribute to the development of improved systems for the prevention and control of crime and delinquency.

The School of Criminal Justice offers a professionally and managerially oriented Master of Science degree program for advanced students, many of whom are criminal justice professionals. The Master of Science degree is offered both on campus and through online delivery. The Master of Science in Forensic Science offers concentrations in forensic anthropology, biology, and chemistry. The School also offers Master of Science degrees in Law Enforcement Intelligence and Analysis and Judicial Administration, which are available only online.

The Doctor of Philosophy is designed to produce graduates who can apply interdisciplinary theory and a variety of research methodologies to the study of crime causation, social reaction, and the legal system. The Ph.D. in Criminal Justice permits students to emphasize the study of crime, crime control, and justice administration while simultaneously developing a strong foundation in social science theory and research methods. It prepares students for careers in college and university teaching and research, as well as for advanced public-policy positions.

The school also offers graduate specializations in security management, forensic science, and judicial administration.

Master of Science

CRIMINAL JUSTICE

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

While a criminal justice undergraduate major comparable to that offered by this school is not required for admission to the Master of Science degree program, the applicant must have a background of education and occupational experience appropriate to the successful pursuit of graduate work in the concentration elected. Applicants insufficiently prepared for graduate study in criminal justice may have to complete collateral course work or pursue individualized study to satisfy deficiencies. Occupational experience is highly desirable before undertaking graduate study in some fields of criminal justice.

All applicants must have at least 12 credits of undergraduate course work in political science, economics, sociology, psychology, anthropology, history, social work, or any combination thereof. At least 6 of these credits must be in sociology, psychology, social work, or any combination of such courses.

Regular Status

1. A bachelor's degree from a recognized educational institution.
2. An undergraduate grade-point average of 3.20 or higher.
3. Satisfactory scores on the Graduate Record Examination General Test or a satisfactory score on the Miller Analogies Test (social science professional scale).
4. Evidence of personal traits and characteristics considered important for scholarly performance.

- Occupational experience is given weight in the selection of master's degree candidates whenever such experience is important to the study of a specific concentration or is an important factor in obtaining appropriate employment after completion of the Master of Science degree.

Provisional Status

A limited number of applicants who do not satisfy the school's regular admission requirements may be accepted provisionally. These students will be judged on the basis of their potential contribution to the field of criminal justice. Students should not be enrolled on a provisional basis for more than one semester. The student must be admitted on a regular basis to be considered a degree candidate. To qualify for admission to regular status, the student must complete a minimum of 10 credits in criminal justice graduate course work with a grade-point average of 3.20 or higher.

Requirements for the Master of Science Degree in Criminal Justice

The program is available under both Plan A (with thesis) and Plan B (without thesis). The student must complete a total of 30 credits distributed as follows:

Requirements for Both Plan A and Plan B

| | CREDITS |
|---|---------|
| 1. Core Courses | 15 |
| CJ 801 Crime Causation, Prevention, and Control | 3 |
| CJ 810 Proseminar in Criminal Justice | 3 |
| CJ 811 Design and Analysis in Criminal Justice Research ¹ | 3 |
| CJ 812 Criminal Justice Management Seminar ¹ | 3 |
| CJ 887 Quantitative Methods in Criminal Justice Research | 3 |
| 2. Plan A | |
| 1. Complete 6 credits of Criminal Justice 899 Master's Thesis Research with a grade of 3.0 or better. | |
| 2. Pass an oral examination in defense of the thesis. | |
| 3. Complete 3 credits of electives approved by the academic advisor. | |
| Plan B | |
| 1. Complete Criminal Justice 896 Policy Analysis under Conditions of Change with a grade of 3.0 or better. | |
| 2. Pass an oral examination covering the policy analysis paper completed by successfully completing Criminal Justice 896. | |
| 3. Complete 6 credits of electives approved by the academic advisor. | |
| 3. Criminal Justice electives approved by an academic advisor | 6 |

¹ For a student who completes the requirements for the graduate Specialization in Forensic Science.

- A course dealing with an aspect of the legal system approved by the School of Criminal Justice may be substituted for Criminal Justice 811.
- Criminal Justice 815 may be substituted for Criminal Justice 812.

JUDICIAL ADMINISTRATION

The Master of Science degree in Judicial Administration is a Plan B (without thesis) online program designed for individuals desiring a leadership or management career in the judicial administration profession in the United States or internationally. Students who are currently employed in the U.S. federal, state, or local courts or courts in other countries may apply, as well as students wishing to enter a judicial administration career.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

To be considered for admission to the Master of Science degree program in Judicial Administration, an applicant must:

- Submit a personal statement regarding his or her academic and professional goals.
- Have a bachelor's degree from a recognized educational institution.
- Have an undergraduate grade-point average of 3.20 or higher.

- Submit scores from the Graduate Record Examination General Test (GRE) taken within the last five years. The GRE examination is waived for candidates who meet the undergraduate grade-point average requirement of 3.20 or for candidates who have completed a graduate degree.

The School of Criminal Justice recognizes that many applicants have been out of the academic environment for some time, and other factors may be considered in the admission process. A limited number of applicants who do not satisfy the School's regular admission requirements may be admitted on a provisional basis. The decision to grant provisional admission is based on the student's potential contributions to the field of judicial system administration. A student may be enrolled on a provisional basis for only two semesters and must be admitted on a regular basis to be considered a degree candidate. Course work completed while on provisional status will not count towards the degree requirements.

Requirements for the Master of Science Degree in Judicial Administration

The program is available only online, under Plan B (without thesis). The student must complete a total of 30 credits distributed as follows:

| | CREDITS |
|--|---------|
| 1. All of the following courses (21 credits): | |
| CJ 811 Design and Analysis in Criminal Justice Research | 3 |
| CJ 812 Criminal Justice Management Seminar | 3 |
| CJ 829 National and Global Trends in Court Planning | 3 |
| CJ 860 Historical Foundations/Contemporary Frameworks in Judicial Administration | 3 |
| CJ 861 Budget Planning and Resource Allocation for Court Performance | 3 |
| CJ 862 Workforce Planning and Management in the Courts | 3 |
| CJ 887 Quantitative Methods in Criminal Justice Research | 3 |
| 2. Two of the following courses (6 credits): | |
| CJ 863 Courthouse Planning: Space, Technology, Security, and Disaster Recovery | 3 |
| CJ 864 Elements of Essential Court Operations | 3 |
| JRN 892 Journalism Special Topics | 3 |
| 3. The following course (3 credits): | |
| CJ 896 Policy Analysis Under Conditions of Change | 3 |
| 4. Completion of a final examination or evaluation. | |

Doctor of Philosophy

The Doctor of Philosophy degree in criminal justice focuses on criminal justice and criminology and theory-based knowledge of crime, criminal justice organizations and processes and the law. During the course of doctoral study, students are expected to develop the depth, breadth and consistency of their training in research methods and their applications of analytical capabilities to administrative and policy issues.

CRIMINAL JUSTICE

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

To be eligible for admission to the Doctor of Philosophy program in Criminal Justice, an applicant must have:

- Completed an undergraduate degree in criminal justice or related social science field.
- An overall grade-point average of at least 3.2 in the most recent academic degree (master's or bachelor's).
- Satisfactory scores on the Graduate Record Examination (GRE) General Test as judged by the faculty.
- Evidence of experience in social science research, such as the completion of a master's thesis.

Requirements for the Doctor of Philosophy Degree in Criminal Justice

Students who are enrolled in the Doctor of Philosophy degree program in Criminal Justice must complete a minimum of 72 credits.

1. Completion of 18 credits in Criminal Justice 901, 904, 905, 906, 907, 908 and 909.
2. Completion of 12 credits of additional criminal justice courses at the 800 level or above.
3. Completion of 12 additional credits outside the School of Criminal Justice as approved by the student's guidance committee.
4. Completion of two 3-credit doctoral research methods courses in the College of Social Science as approved by the student's guidance committee.
5. Satisfactory completion of 24 credits of Criminal Justice 999 and defense of a doctoral dissertation.

Normally students complete the requirements for the Doctor of Philosophy degree in three years.

FORENSIC SCIENCE

Master of Science

Several colleges and departments within Michigan State University cooperate to offer the Master of Science in Forensic Science. These include the College of Agriculture and Natural Resources in cooperation with the Department of Community, Agriculture, Recreation and Resource Studies; the College of Human Medicine in cooperation with the Department of Radiology; the College of Natural Science in cooperation with the departments of Chemistry; Pharmacology and Toxicology, Statistics and Probability, and Zoology as well as the Center for Advanced Microscopy, the Genetics Program and the Medical Technology Program; and the College of Social Science in cooperation with the Department of Anthropology and the School of Criminal Justice. The School of Criminal Justice is the primary administrative unit.

This program is designed to give all students a broad, theoretical and practical background in the scientific, legal and investigative aspects of forensic science while providing the opportunity to study one of the major disciplines in depth. Students enrolled in this program must complete a concentration in one of the following areas: forensic chemistry, forensic biology, or forensic anthropology.

A thesis is required of all students and opportunities exist for an internship in a practicing United States or international forensic science laboratory.

In addition to meeting the requirements of the university and the College of Social Science, students must meet the requirements specified below.

Admission

To be considered for admission to the Master of Science degree program in forensic science, an applicant must have:

1. completed a Bachelor of Science or Bachelor of Arts degree in a discipline appropriate to the desired concentration. For example, a student who desires to complete the concentration in forensic chemistry must have a bachelor's degree in chemistry or a closely allied science such as biochemistry.
2. a cumulative grade-point average of at least 3.0 for all course work in the bachelors degree.
3. satisfactory scores in the Graduate Record Examination General Test as judged by the program faculty. No substantive area GRE exams are required.

Requirements for the Master of Science Degree in Forensic Science

The program is available under Plan A (with thesis) or Plan B (without thesis). Each student will have a thesis advisory committee comprised of the academic advisor and two other program faculty. The student must complete at least 38 credits as follows:

| | CREDITS |
|--|---------|
| 1. The following course (3 credits): | |
| CJ 805 Survey in Forensic Science | 3 |
| 2. One of the following concentrations: | |
| Forensic Chemistry (17 credits): | |
| CEM 835 Advanced Analytical Chemistry II | 3 |
| CJ 817 Law and Forensic Science | 2 |
| CJ 819 Forensic Analysis of Drugs and Alcohol | 3 |
| CJ 820 Forensic Chemistry and Microscopic Evidence. | 3 |
| NSC 820 Scanning Electron Microscopy; Energy Dispersive X-ray Microanalysis | 3 |
| PHM 431 Pharmacology of Drug Addiction. | 3 |
| Forensic Biology (20 credits): | |
| BMB 801 Molecular Biology | 3 |
| CJ 817 Law and Forensic Science | 2 |
| CJ 820 Forensic Chemistry and Microscopic Evidence. | 3 |
| CJ 824 Forensic Serology | 3 |
| CJ 825 DNA Profiling. | 3 |
| FOR 842 Population Genetics, Genealogy and Genomics | 3 |
| or | |
| FW 828 Conservation and Genetics. | 3 |
| STT 464 Statistics for Biologists | 3 |
| Forensic Anthropology (25 credits): | |
| ANP 441 Osteology and Forensic Anthropology | 4 |
| ANP 840 Biocultural Evolution | 3 |
| ANP 841 Physical Anthropology. | 3 |
| ANP 842 Human Osteology | 5 |
| ANP 844 Topics in Forensic Anthropology. | 4 |
| ANTR 551 Medical Gross Anatomy | 6 |
| Students must enroll for Anthropology 844 twice, in increments of 2 credits. | |
| 3. Complete an additional 4 to 12 credits of electives chosen in consultation with the student's academic advisor. | |

Additional Requirements for Plan A

1. Complete 6 credits in Forensic Science 899 Master's Thesis Research.
2. Pass an oral examination in defense of the thesis.

Additional Requirements for Plan B

1. Complete 6 credits in Forensic Science 890 Independent Study.
2. Completion of a final examination or evaluation.

LAW ENFORCEMENT INTELLIGENCE AND ANALYSIS

Master of Science

The Master of Science degree in Law Enforcement Intelligence and Analysis is a Plan B (without thesis), online program designed for working law enforcement professionals to enhance their education and training in the critical field of intelligence. Criminal justice students wishing to enter a law enforcement career with a specialized graduate degree may also apply.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

To be considered for admission to the Master of Science degree program in Law Enforcement Intelligence and Analysis, an applicant must:

1. submit a personal statement regarding their academic and professional goals.
2. submit scores from a GRE general exam taken within the last five years. The GRE exam is waived for candidates with a cumulative undergraduate GPA of 3.2 or higher from an accredited and recognized college or university, and for applicants with a completed graduate degree.

The School of Criminal Justice recognizes that many applicants have been out of the academic environment for some time, and other factors may be considered in the admission process. A

limited number of applicants who do not satisfy the school's regular admission requirements may be admitted on a provisional basis. The decision to grant provisional admission is based on the student's potential contributions to the field of criminal justice. A student may be enrolled on a provisional basis for only two semesters and must be admitted on a regular basis to be considered a degree candidate. To qualify for regular status, a student must complete a minimum of 12 credits of graduate course work in criminal justice with a GPA of 3.0 or higher.

Requirements for the Master of Science Degree in Law Enforcement Intelligence and Analysis

CREDITS

The student must complete at least 30 credits under Plan B (without thesis).

1. All of the following courses (9 credits):
 - CJ 433 Law Enforcement Intelligence Operations 3
 - CJ 811 Design and Analysis in Criminal Justice Research 3
 - CJ 887 Quantitative Methods in Criminal Justice Research 3
2. Five of the following courses (15 credits):
 - CJ 439 Homeland Security 3
 - CJ 830 Foundations of Police Studies 3
 - CJ 837 Counterterrorism and Intelligence 3
 - CJ 838 Issues in Terrorism 3
 - CJ 839 Analytic Thinking and Intelligence 3
 - CJ 856 Advanced Topics in Policing 3
 - GEO 802 Geospatial Technology 3
3. The following course (3 credits):
 - CJ 896 Policy Analysis under Conditions of Change 3
4. Complete an additional 3 credits of electives as approved by the student's guidance committee.
5. Complete a final examination or evaluation.

GRADUATE SPECIALIZATION IN FORENSIC SCIENCE

The Graduate Specialization in Forensic Science provides a thorough understanding of the broad field of forensic science and prepares students for the role of court-qualified expert. Students study scientific, technical, and ethical issues and the relationship of their own area of expertise to the criminal justice system. The legal aspects of forensic science presented include the study of court-qualified expert qualifications, types of scientific evidence likely to be admissible in court, and how evidence may become inadmissible for scientific and technical reasons. Students will participate in a mock trial drawing on their systemic understanding of their field of expertise and their ability to explain methodology and evidence to laypersons.

This graduate specialization is available as an elective to students who are enrolled in doctoral degree programs at Michigan State University. The Graduate Specialization in Forensic Science, which is administered by the School of Criminal Justice, is designed for individuals in a discipline that typically does not lend itself to full-time employment in a crime laboratory but may require participation in the criminal justice system in order to offer expert advice. Completion of this specialization will provide students with knowledge of the United States legal system, scientific evidence, and intricacies of testifying, all of which are requisite to becoming an effective court-qualified expert in the courtroom.

With the approval of the department and college that administers the student's degree program, the courses that are used to satisfy the specialization may also be used to satisfy the requirements for the doctoral degree. The students program of study must be approved by the student's advisor for the specialization.

Requirements for the Graduate Specialization in Forensic Science

CREDITS

The student must complete 9 credits from the following:

1. All of the following courses (6 credits):
 - CJ 805 Survey of Forensic Science 3
 - CJ 817 Law and Forensic Science 2
 - FRS 890 Independent Study 1

Independent study will entail a substantial literature and legal essay reviewing the student's specialized field as it relates to the forensic sciences and the legal system.
2. Complete a 3 credit 800 or 900-level course that is relevant to the discipline, such as forensic anthropology or forensic entomology, and is approved by the student's advisor and the Director of the Forensic Science program.

GRADUATE SPECIALIZATION IN JUDICIAL ADMINISTRATION

Management of the courts and the judicial process in contemporary society requires expert knowledge and complex skills. The courts need qualified professionals who can ensure that the public receives timely and just resolution to cases requiring judicial intervention.

The Specialization in Judicial Administration, which is administered by the School of Criminal Justice within the College of Social Science, is available online as an elective to students who are enrolled in master's degree programs at Michigan State University with the exception of student's pursuing the Master of Science in Judicial Administration. This specialization is designed to meet the educational needs of students currently working in the judicial system. It prepares students to understand the purposes and responsibilities of the courts; leadership and its role in guiding the courts; and interaction with the community. It provides opportunities to learn how to obtain and manage human resources including staff education and development, budgets, and fiscal resources; manage cases and information technology effectively; envision and plan strategically; and implement and manage auxiliary court programs and required services, which complement and support the core functions of the courts.

With the approval of the department or school and college that administers the student's degree program, courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the master's degree. The student's program of study must be approved by the student's guidance committee for the specialization.

Requirements for the Graduate Specialization in Judicial Administration

CREDITS

The student must:

1. Complete all of the following core courses (12 credits):
 - CJ 812 Criminal Justice Management Seminar 3
 - CJ 829 National and Global Trends in Court Planning 3
 - CJ 860 Historical Foundations/Contemporary Frameworks of Judicial Administration 3
 - CJ 864 Elements of Essential Court Operations 3

Equivalent courses may be substituted with approval of the Criminal Justice academic advisor.

GRADUATE SPECIALIZATION IN SECURITY MANAGEMENT

The complexities of modern society have combined to generate a variety of threats to business organizations, information networks, government installations and operations, and individuals. The Graduate Specialization in Security Management is designed for students who are interested in private and government security.

The specialization, which is administered by the School of Criminal Justice, is available as an elective to students who are enrolled in master's degree programs at Michigan State University. The specialization should be of particular interest to students who are enrolled in certain programs in the Eli Broad College of Business and the College of Social Science.

The Specialization in Security Management is designed to help students to understand:

1. The business and technical aspects of protecting private and government assets.
2. The administrative, management, technical, and legal problems of asset protection and loss prevention.
3. Concepts related to protecting personal and personnel rights, proprietary information, facilities, and other assets of an organization.
4. Security's relationship to the value of freedom and democratic principles in our society.

With the approval of the department or school and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the master's degree.

Requirements for the Graduate Specialization in Security Management:

The student must complete:

| | CREDITS |
|---|---------|
| 1. All of the following courses (15 credits): | |
| CJ 801 Crime Causation, Prevention, and Control | 3 |
| CJ 811 Design and Analysis in Criminal Justice Research | 3 |
| CJ 812 Criminal Justice Management Seminar | 3 |
| CJ 885 Security Management | 3 |
| CJ 886 Security Administration | 3 |
| An equivalent course may be substituted for Criminal Justice 811 and 812 with approval of a Criminal Justice advisor. | |
| 2. One of the following courses (3 credits): | |
| LIR 823 Organizational Behavior in Labor and Industrial Relations | 3 |
| MGT 824 Management and Organizational Behavior | 3 |
| PLS 810 Proseminar in Public Administration | 3 |
| PSY 860 Industrial and Organizational Psychology | 3 |

DEPARTMENT of ECONOMICS

Carl Davidson, Chairperson

UNDERGRADUATE PROGRAMS

The Department of Economics offers Bachelor of Arts and Bachelor of Science degrees, as well as a minor. Jointly with the Department of Political Science, it also offers a Linked Bachelor of Arts or Science/Master of Public Policy degree program.

The economics degree programs provide a broad education involving the domestic and international economy and include the study of institutions, concepts, policy, and tools of analysis. Our students prepare for careers in business such as banking, financial markets, insurance, management, and consulting; national,

state, and local governments; teaching; and graduate study in economics and related fields including business administration, finance, public policy, and law.

The department stresses flexibility in each undergraduate program and requires a strong core of economic theory, supplemented by mathematics, statistics, and computer science. Students in each of these degree programs choose area electives within the department as well as in the College of Social Science, the College of Arts and Letters, and the university. All students are encouraged to develop programs of study that are tailored to their individual interests and goals.

The Linked Bachelor of Arts or Science/Master of Public Policy program allows qualified students interested in professional careers in policy analysis, program management or policy advocacy the opportunity to complete both their bachelor's and master's degrees in a total of five years.

Beyond the introductory courses in microeconomics and macroeconomics, the department offers courses in a number of areas of emphasis. These areas of emphasis are listed below, along with their respective course offerings.

| | | |
|---|--|--|
| Microeconomics | | |
| EC 251H | Microeconomics and Public Policy | |
| EC 301 | Intermediate Microeconomics | |
| EC 401 | Advanced Microeconomics | |
| Macroeconomics and Monetary Theory | | |
| EC 252H | Macroeconomics and Public Policy | |
| EC 302 | Intermediate Macroeconomics | |
| EC 330 | Money, Banking, and Financial Markets | |
| EC 402 | Advanced Macroeconomics | |
| Economic Systems | | |
| EC 306 | Comparative Economic Systems | |
| EC 406 | Economic Analysis of Russia and the Commonwealth of Independent States | |
| Development | | |
| EC 310 | Economics of Developing Countries | |
| EC 410 | Issues in the Economics of Developing Countries | |
| EC 412 | Economic Analysis of Latin America | |
| EC 413 | Economic Analysis of Asia | |
| EC 414 | Economic Analysis of Sub-Saharan Africa | |
| Econometrics | | |
| EC 420 | Introduction to Econometric Methods | |
| EC 421 | Advanced Econometric Methods | |
| Public Economics | | |
| EC 335 | Taxes, Government Spending and Public Policy | |
| EC 435 | Public Expenditures | |
| EC 436 | Public Revenues | |
| International Economics | | |
| EC 340 | Survey of International Economics | |
| EC 440 | International Trade | |
| EC 441 | International Finance | |
| Industrial Organization | | |
| EC 360 | Private Enterprise and Public Policy | |
| EC 460 | American Industry: Structure and Behavior | |
| Labor Economics | | |
| EC 380 | Labor Relations and Labor Market Policy | |
| EC 480 | Analysis of Labor Markets | |
| Law And Economics | | |
| EC 425 | Law and Economics | |
| Health and Welfare | | |
| EC 495 | Economics of Poverty and Income Distribution | |
| EC 498 | Economics of Health Care | |
| Capstone Course | | |
| EC 499 | Senior Seminar for Economics Majors (W) | |

ECONOMICS

The Bachelor of Arts Degree in Economics emphasizes the use of quantitative techniques in the analysis of economic theories.

Requirements for the Bachelor of Arts Degree in Economics

1. The graduation requirements of the University as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Economics.
 The University's Mathematics requirement for the Bachelor of Arts degree in Economics is met by completing Mathematics 124, 132, or 152H.
 The University's Tier II writing requirement for the Economics major is met by completing Economics 499. That course is referenced in item 3. a. below.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.

Students pursuing the Bachelor of Arts Degree in Economics are required to complete a minimum of 6 credits from the following courses for the College of Social Science NATURAL SCIENCE REQUIREMENT.

- One of the following courses (3 credits):
- CSE 101 Computing Concepts and Competencies 3
- CSE 131 Technical Computing and Problem Solving 3
- One of the following courses (3 credits):
- STT 315 Introduction to Probability and Statistics for Business . . . 3
- STT 421 Statistics I 3
- STT 430 Introduction to Probability and Statistics 3
- STT 441 Probability and Statistics I: Probability 3

CREDITS
30

3. The following requirements for the major: 30

Students may elect to complete more economics courses than those needed to complete the requirements for the major, with the understanding that the grades earned in such courses will be included in the computation of the grade-point average for courses in the major to meet College of Social Science graduation requirements. In order to be eligible to enroll in Economics 499, as referenced in item 3. a. below, students must have a grade-point average of 2.0 in all attempted Economics courses.

 - a. All of the following courses in the Department of Economics (18 credits):
 - EC 201 Introduction to Microeconomics 3
 - EC 202 Introduction to Macroeconomics 3
 - EC 301 Intermediate Microeconomics 3
 - EC 302 Intermediate Macroeconomics 3
 - EC 420 Introduction to Econometric Methods 3
 - EC 499 Senior Seminar for Economics Majors (W) 3

Economics 251H may be substituted for Economics 201 and 301. Students who elect this substitution, and who do not take Economics 252H, may satisfy the requirement referenced in item 3. c. by completing at least 2 to 3 credits in Economics courses at the 300-400 level, in addition to the 9 credits referenced in item 3. c.

Economics 252H may be substituted for Economics 202 and 302. Students who elect this substitution, and who do not take Economics 251H, may satisfy the requirement referenced in item 3. c. by completing at least 3 credits in Economics courses at the 300-400 level, in addition to the 9 credits referenced in item 3. c.

Economics 251H and 252H may be substituted for the following group of courses: Economics 201, 202, 301, and 302. Students who elect this substitution may satisfy the requirement referenced in item 3. c. by completing at least 5 to 6 credits in two Economics courses at the 300-400 level, in addition to the 9 credits referenced in item 3. c.
 - b. One of the following courses in the international area (3 credits): Economics 306, 310, 340, 406, 410, 412, 413, 414, 440, and 441.
 - c. Nine additional credits in economics courses, of which at least 6 credits must be at the 400-level.

In addition to the requirements for the major, students may elect to complete a cognate in business. The requirements for the cognate are met by completing four of the following courses (12 credits):

- ACC 230 Survey of Accounting Concepts 3
 - FI 320 Introduction to Finance 3
 - GBL 323 Introduction to Business Law 3
 - MGT 325 Management Skills and Processes 3
 - MKT 327 Introduction to Marketing 3
- Students may substitute Accounting 201 and 202 for Accounting 230.

Bachelor of Science

The Bachelor of Science Degree in Economics emphasizes the use of advanced math and science in the analysis of economic theories. The program offers students more emphasis on mathematics, statistics, and computer science, as preparation for those who wish to pursue graduate training in economics.

Requirements for the Bachelor of Science Degree in Economics

1. The graduation requirements of the University as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Economics.

The University's Mathematics requirement for the Bachelor of Science degree in Economics is met by completing Mathematics 132, or 152H.

The University's Tier II writing requirement for the Economics major is met by completing Economics 499, referenced in item 3. a. below.
2. The requirements of the College of Social Science for the Bachelor of Science degree.

Students pursuing the Bachelor of Science Degree in Economics are required to complete a minimum of 15 credits from the following courses for the College of Social Science NATURAL SCIENCE REQUIREMENT, including Mathematics 133 or 153H and one of the designated statistics courses.

 - CSE 231 Introduction to Programming I 4
 - CSE 232 Introduction to Programming II 4
 - MTH 133 Calculus II 4
 - MTH 153H Honors Calculus II 3

- MTH 234 Multivariable Calculus 4
 - MTH 235 Differential Equations 3
 - MTH 254H Honors Multivariable Calculus 3
 - MTH 255H Honors Differential Equations 3
 - MTH 309 Linear Algebra I 3
 - MTH 310 Abstract Algebra I and Number Theory 3
 - MTH 314 Matrix Algebra with Applications 3
 - MTH 320 Analysis I 3
 - MTH 340 Ordinary Differential Equations I 3
 - STT 441 Probability and Statistics I: Probability 3
 - STT 442 Probability and Statistics II: Statistics 3
 - STT 461 Computations in Probability and Statistics 3
 - STT 471 Statistics for Quality and Productivity 3
- Mathematics 133 or 153H and Mathematics 234 or 254H and Mathematics 235 or 255H may be applied toward the College of Social Science NATURAL SCIENCE REQUIREMENT. Upon prior approval by the department, other courses may be substituted in fulfillment of the College of Social Science NATURAL SCIENCE REQUIREMENT.

CREDITS
30

3. The following requirements for the major: 30

Students may elect to complete more economics courses than those needed to complete the requirements for the major, with the understanding that the grades earned in such courses will be included in the computation of the grade-point average for courses in the major to meet College of Social Science graduation requirements. In order to be eligible to enroll in Economics 499, as referenced in item 3. a. below, students must have a grade-point average of 2.0 in all attempted Economics courses.

 - a. All of the following courses in the Department of Economics (18 credits):
 - EC 201 Introduction to Microeconomics 3
 - EC 202 Introduction to Macroeconomics 3
 - EC 301 Intermediate Microeconomics 3
 - EC 302 Intermediate Macroeconomics 3
 - EC 420 Introduction to Econometric Methods 3
 - EC 499 Senior Seminar for Economics Majors (W) 3

Economics 251H may be substituted for Economics 201 and 301. Students who elect this substitution, and who do not take Economics 252H, may satisfy the requirement referenced in item 3. c. by completing at least 2 to 3 credits in Economics courses at the 300-400 level, in addition to the 9 credits referenced in item 3. c.

Economics 252H may be substituted for Economics 202 and 302. Students who elect this substitution, and who do not take Economics 251H, may satisfy the requirement referenced in item 3. c. by completing at least 3 credits in Economics courses at the 300-400 level, in addition to the 9 credits referenced in item 3. c.

Economics 251H and 252H may be substituted for the following group of courses: Economics 201, 202, 301, and 302. Students who elect this substitution may satisfy the requirement referenced in item 3. c. by completing at least 5 to 6 credits in two Economics courses at the 300-400 level, in addition to the 9 credits referenced in item 3. c.
 - b. One of the following courses in the international area (3 credits): Economics 306, 310, 340, 406, 410, 412, 413, 414, 440, and 441.
 - c. Nine additional credits in economics courses, of which at least 6 credits must be at the 400-level.

In addition to the requirements for the major, students may elect to complete a cognate in business. The requirements for the cognate are met by completing four of the following courses (12 credits):

- ACC 230 Survey of Accounting Concepts 3
 - FI 320 Introduction to Finance 3
 - GBL 323 Introduction to Business Law 3
 - MGT 325 Management Skills and Processes 3
 - MSC 327 Introduction to Marketing 3
- Students may substitute Accounting 201 and 202 for Accounting 230.

MINOR IN ECONOMICS

The Minor in Economics, which is administered by the Department of Economics, provides a basic foundation for the breadth of study within the field of economics and a grounding in general economic theory.

The minor is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University other than the Bachelor of Arts or Bachelor of Science Degree in Economics. With the approval of the department and college that administers the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree. At least 12 unique credits counted towards the requirements for a student's minor must not be used to fulfill the requirements for that student's major.

SOCIAL SCIENCE
Department of Economics

Students who plan to complete the requirements for the minor should consult an undergraduate advisor in the Department of Economics.

Requirements for the Minor in Economics

Complete 18 credits of economics course work with a minimum grade-point average of 2.0 in courses used in fulfillment of the requirements for the minor.

1. All of the following courses (9 credits):
- | | | |
|--------|--------------------------------|---|
| EC 201 | Introduction to Microeconomics | 3 |
| EC 202 | Introduction to Macroeconomics | 3 |
| EC 301 | Intermediate Microeconomics | 3 |

Economics 251H may be substituted for Economics 201 and 301. Students who elect this substitution may satisfy the requirement referenced in item 3. by completing at least 8 additional credits in Economics course work at the 300-400 level.

Economics 252H may be substituted for Economics 202.

Economics 251H and 252H may be substituted for the following group of courses: Economics 201, 202, 301, and 302. Economics 302 is not required for the minor. Students who elect this substitution may satisfy the requirement referenced in item 3. by completing at least 8 additional credits in Economics course work at the 300-400 level.

2. Complete 3 additional credits in Economics at the 400-level.
 3. Complete 6 additional credits in Economics at the 300-400 level.

CREDITS

- Advanced Macro and Monetary Economics
- Econometrics
- Economic Development
- History of Economic Thought
- Industrial Organization
- International Economics
- Labor Economics
- Public Economics

Doctoral students must qualify in general economic theory, methods, and in two fields of specialization. Substitution of a field in another discipline is possible.

The Master of Public Policy program provides students with the requisite skills to address complex societal problems, reconcile conflicting political and ethical values in policymaking, make informed decisions about program activities, and provide effective leadership in policy development and implementation.

Students who are enrolled in Master of Arts and Doctor of Philosophy degree programs in the Department of Economics may elect specializations in environmental and resource economics. For additional information, refer to the statement on Interdepartmental Graduate Specializations in Environmental and Resource Economics in the *College of Agriculture and Natural Resources* section of this catalog.

TEACHER CERTIFICATION OPTIONS

The economics disciplinary minor is available for teacher certification for students who are pursuing a major with a teacher certification option in comparative cultures and politics, international relations, political theory and constitutional democracy, social relations and policy, interdisciplinary studies in social science, interdisciplinary studies in social science: social science education, or history. Students who elect the economics disciplinary minor must contact the Department of Economics.

For additional information, refer to the statement on TEACHER CERTIFICATION in the *Department of Teacher Education* section of this catalog.

LINKED BACHELOR'S-MASTER'S DEGREE IN PUBLIC POLICY

**Bachelor of Arts or Bachelor of Science Degree in Economics
 Master of Public Policy Degree in Public Policy**

The department welcomes applications from Michigan State University Economics undergraduate students during the fall semester of their junior year in order to begin the program during the fall semester of their senior year. Admission to the program requires a minimum undergraduate grade-point average of 3.50 and an approved program of study for the Master of Public Policy degree in Public Policy at the time of admission. Admission to the Linked Bachelor's-Master's Program allows the application of up to 9 credits toward the master's program for qualifying 400-level and above course work taken at the undergraduate level at Michigan State University or an external accredited institution. The number of approved credits, not to exceed 9, are applied toward the credit requirement of the master's degree. Credits applied to the Linked Bachelor's-Master's Program are not eligible to be applied to any other graduate degree program.

GRADUATE STUDY

The Department of Economics offers Master of Arts and Doctor of Philosophy degrees in Economics, and a Master of Public Policy degree jointly with the Department of Political Science. Master's and doctoral degrees in economics prepare students for professional careers in business, government, teaching, and research.

- The fields of specialization are:
 Advanced Economic Theory

Admission

Before admission to graduate work, a student should have acquired a minimum of 25 credits in the social sciences, mathematics, statistics, agricultural economics, accounting, or business administration, or in some combination of these fields. Students with limited economics in their undergraduate programs will have to correct such deficiencies by completing collateral courses, not to count toward the degree, which serve as prerequisites for the graduate economics courses.

Applicants to the graduate programs are required to submit scores on the Graduate Record Examination General Test; in addition, applicants should arrange to have three letters of recommendation and transcripts of all prior collegiate course work supplied to the department.

Master of Arts

The Master of Arts degree is available to students enrolled in the Ph.D. degree program in Economics or, with departmental approval, as a second degree for students enrolled in other graduate degree programs. Only the Plan B (without thesis) option is available. Course requirements include the first-year core sequence in the Ph.D. program in Economics, which prepares students for continuing in the Ph.D. program or for professional careers that call for high-level training in economic theory and quantitative analysis methods.

In addition to meeting the requirements of the university, of the College of Social Science, and the Department of Economics, students must meet the requirements specified below.

Requirements for the Master of Arts Degree in Economics

1. Complete all of the following courses (22 credits):

| | | |
|---------|--|---|
| EC 811A | Mathematical Applications in Economics | 2 |
| EC 811B | The Structure of Economic Analysis | 2 |
| EC 812A | Microeconomics I | 3 |
| EC 812B | Microeconomics II | 3 |
| EC 813A | Macroeconomics I | 3 |
| EC 813B | Macroeconomics II | 3 |
| EC 820A | Econometrics IA | 3 |
| EC 820B | Econometrics IB | 3 |
2. Complete three additional Economics courses at the 800-900 level totaling at least 8 credits.
3. Obtain a master's level pass on the written comprehensive examination in microeconomic theory, macroeconomic theory, and econometrics.

Academic Standards

To remain in the program and receive the M. A. degree in economics, a student must:

1. Maintain at least a 3.00 grade–point average.
2. Earn a grade of 3.0 or higher in required 800–900 level economics courses.
3. The accumulation of grades below 3.0 (including N grades in the P-N grading system) in more than two courses of 3 or more credits each removes the student from the degree program; this policy does not apply to courses below the 400-level unless the courses are required for the student’s program.

Doctor of Philosophy

Students may be admitted to the Doctor of Philosophy degree in Economics only for a fall semester.

In addition to meeting the requirements of the university and the College of Social Science, students must meet the requirements specified below.

Requirements for the Doctor of Philosophy Degree in Economics

1. Complete the core courses in economic theory, mathematical methods in economics, and econometrics.
2. Pass a comprehensive examination in microeconomic theory, macroeconomic theory, and econometrics.
3. Complete other course requirements as specified in the document *The Doctoral Program in Economics*, available from the Department of Economics.
4. Demonstrate competence in two fields of specialization and advanced methods.
5. Present a research paper at the Department of Economics spring conference.
6. Present a dissertation proposal to the student’s guidance committee.
7. Write an acceptable dissertation and defend it successfully in a public oral examination.

Academic Standards

Refer to the Doctor of Philosophy degree statement in the *College of Social Science* section.

DEPARTMENT of GEOGRAPHY

Alan F. Arbogast, Chairperson

The discipline of geography, as the study of place and space, concerns itself with the analysis and explanation of the occurrence, distribution, and interrelationships of physical and cultural patterns on the earth’s surface. The discipline is also interested in how the earth’s physical and human landscapes change over time. Geography can be classified both as a social science and a natural science as it examines human beings and their environment and serves as a bridge between the physical and cultural worlds. The undergraduate program is designed to prepare students for various careers in business, industry, education and government.

Strengths of the department include physical geography (climate, soils, vegetation), environmental change, spatial technolo-

gies (GIS, remote sensing, cartography), urban-economic geography, and nature-society interactions.

UNDERGRADUATE PROGRAMS

The Department of Geography offers programs in geography and geographic information science leading to the Bachelor of Arts and Bachelor of Science degrees. Minors in Geography and Geographic Information Science are also available.

GEOGRAPHIC INFORMATION SCIENCE

The Bachelor of Science Degree in Geographic Information Science provides a rigorous, in-depth program for students interested in the application of information technology to the spatial dimensions of the Earth’s human and physical systems. It is an ideal program for those pursuing a career in the spatial technology sector, or for those considering graduate study in geography and related disciplines. Students attain substantial general quantitative and technical skills, as well as practical experience in the application of skills to solving problems drawn from local, regional, and global settings.

Requirements for the Bachelor of Science Degree in Geographic Information Science

1. The University requirements for bachelor’s degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Geographic Information Science. The University’s Tier II writing requirement for the Geographic Information Science major is met by completing Geography 425 or 480. Those courses are referenced in item 3. below.
2. The requirements of the College of Social Science for the Bachelor of Science degree. The College’s NATURAL SCIENCE REQUIREMENT for the Geographic Information Science major is met by completing 15 additional credits in courses offered by a department or program in the College of Natural Science, chosen from the following: Biochemistry and Molecular Biology, Biological Science, Chemistry, Entomology, Geological Sciences, Lyman Briggs, Mathematics, Microbiology and Molecular Genetics, Physics and Astronomy, Plant Biology, Plant Pathology, Physiology, Statistics and Probability, and Zoology. Students should see their academic advisor to obtain a list of approved courses which will meet this requirement.

| | CREDITS |
|---|----------|
| 3. The following required major courses: | 30 to 32 |
| a. One of the following courses (3 or 4 credits): | |
| GEO 113 Introduction to Economic Geography | 3 |
| GEO 151 Cultural Geography | 3 |
| GEO 206 Physical Geography | 3 |
| GEO 206L Physical Geography Laboratory | 1 |
| Students who choose Geography 206 must also enroll in Geography 206L. | |
| b. All of the following courses (16 credits): | |
| GEO 221 Introduction to Geographic Information | 3 |
| GEO 324 Remote Sensing of the Environment | 4 |
| GEO 325 Geographic Information Systems | 3 |
| GEO 425 Problems in Geographic Information Science (W) | 3 |
| GEO 463 Introduction to Quantitative Methods for Geographers and Planners | 3 |
| c. A minimum of 11 credits selected from the following: | |
| GEO 419 Applications of Geographic Information Systems to Natural Resource Management | 4 |
| GEO 423 Cartographic Design and Production | 4 |
| GEO 424 Advanced Remote Sensing | 4 |
| GEO 426 Thematic Cartography | 4 |
| GEO 428 Digital Terrain Analysis | 4 |
| GEO 453 Metropolitan Environments: Urban Forms and Land Uses | 3 |
| GEO 480 Senior Seminar (W) | 3 |
| GEO 498 Internship in Geography | 3 |

GEOGRAPHY

Within the discipline of geography, a tracking system permits students pursuing a bachelor’s degree to concentrate in various interest areas. The departmental advisor and faculty members are available to discuss program options and career opportunities with interested students.

Requirements for the Bachelor of Arts Degree in Geography

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Geography.

The University's Tier II writing requirement for the Geography major is met by completing Geography 480. That course is referenced in item 3. a. below.

2. The requirements of the College of Social Science for the Bachelor of Arts degree.

| | | | |
|----|--|---------|----|
| 3. | The following required major courses: | CREDITS | 31 |
| a. | All of the following courses: | | |
| | GEO 113 Introduction to Economic Geography | 3 | |
| | GEO 151 Cultural Geography | 3 | |
| | GEO 206 Physical Geography | 3 | |
| | GEO 206L Physical Geography Laboratory | 1 | |
| | GEO 221 Introduction to Geographic Information | 3 | |
| | GEO 463 Introduction to Quantitative Methods for Geographers and Planners | 3 | |
| | GEO 480 Senior Seminar (W). | 3 | |
| b. | One of the following courses: | | |
| | GEO 330 Geography of the United States and Canada | 3 | |
| | GEO 333 Geography of Michigan and the Great Lakes Region | 3 | |
| | GEO 335 Geography of Latin America | 3 | |
| | GEO 336 Geography of Europe | 3 | |
| | GEO 337 Geography of East Asia | 3 | |
| | GEO 338 Geography of Africa | 3 | |
| c. | Nine additional credits in Geography including at least one course at the 400 level. | | |

Requirements for the Bachelor of Science Degree in Geography

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Geography.

The University's Tier II writing requirement for the Geography major is met by completing Geography 480. That course is referenced in item 3. a. below.

2. The requirements of the College of Social Science for the Bachelor of Science degree.

The College's NATURAL SCIENCE REQUIREMENT for the Geography major is met by completing 15 additional credits in courses offered by a department or program in the College of Natural Science, chosen from the following: Biochemistry and Molecular Biology, Biological Science, Chemistry, Entomology, Geological Sciences, Lyman Briggs, Mathematics, Microbiology and Molecular Genetics, Physics and Astronomy, Plant Biology, Plant Pathology, Physiology, Statistics and Probability, and Zoology. Students should see their academic advisor to obtain a list of approved courses which will meet this requirement.

| | | | |
|----|--|---------|----|
| 3. | The following required major courses: | CREDITS | 31 |
| a. | All of the following courses: | | |
| | GEO 113 Introduction to Economic Geography | 3 | |
| | GEO 151 Cultural Geography | 3 | |
| | GEO 206 Physical Geography | 3 | |
| | GEO 206L Physical Geography Laboratory | 1 | |
| | GEO 221 Introduction to Geographic Information | 3 | |
| | GEO 463 Introduction to Quantitative Methods for Geographers and Planners | 3 | |
| | GEO 480 Senior Seminar (W). | 3 | |
| b. | One of the following courses: | | |
| | GEO 330 Geography of the United States and Canada | 3 | |
| | GEO 333 Geography of Michigan and the Great Lakes Region | 3 | |
| | GEO 335 Geography of Latin America | 3 | |
| | GEO 336 Geography of Europe | 3 | |
| | GEO 337 Geography of East Asia | 3 | |
| | GEO 338 Geography of Africa | 3 | |
| c. | Nine additional credits in Geography including at least one course at the 400 level. | | |

SPATIAL INFORMATION PROCESSING SPECIALIZATION

The spatial information processing specialization, which is administered by the Department of Geography, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree.

The spatial information processing specialization is designed to develop academic expertise and professional competence in collecting, manipulating, analyzing, and displaying spatially-referenced information through the geographic subdisciplines of cartography, remote sensing, and geographic information systems.

Students who plan to complete the requirements for the spatial information processing specialization should contact the undergraduate advisor for spatial information processing in the Department of Geography.

Requirements for the Spatial Information Processing Specialization

The student must complete a minimum of 21 credits in courses as specified below:

| | | | |
|----|---|----------|--|
| | | CREDITS | |
| 1. | The following course: | 3 | |
| | GEO 221 Introduction to Geographic Information | 3 | |
| 2. | One of the following courses: | 3 | |
| | GEO 490 Independent Study | 3 | |
| | GEO 498 Internship in Geography | 3 | |
| 3. | Four of the following courses: | 15 or 16 | |
| | GEO 324 Remote Sensing of the Environment | 4 | |
| | GEO 326 Thematic Cartography | 4 | |
| | GEO 423 Map Production and Design | 4 | |
| | GEO 424 Advanced Remote Sensing | 4 | |
| | GEO 463 Introduction to Quantitative Methods for Geographers and Planners | 3 | |

MINOR IN GEOGRAPHY

The Minor in Geography, which is administered by the Department of Geography, provides a fundamental foundation to the breadth of study within the field of geography as well as grounding in general geographic theory.

The minor is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University other than the Bachelor of Arts or Bachelor of Science Degrees in Geography. With the approval of the department and college that administers the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree. At least 12 unique credits counted towards the requirements for a student's minor must not be used to fulfill the requirements for that student's major.

Students who plan to complete the requirements for the minor should consult an undergraduate advisor in the Department of Geography.

Requirements for the Minor in Geography

Complete a minimum of 21 credits in the Department of Geography from the following:

| | | | |
|----|---|---|--|
| 1. | A minimum of 9 credits from the following: | | |
| | GEO 113 Introduction to Economic Geography | 3 | |
| | GEO 151 Cultural Geography | 3 | |
| | GEO 203 Introduction to Meteorology | 3 | |
| | GEO 206 Physical Geography | 3 | |
| | GEO 206L Physical Geography Laboratory | 1 | |
| | GEO 221 Introduction to Geographic Information | 3 | |
| 2. | A minimum of 3 credits from the following: | | |
| | GEO 204 World Regional Geography | 3 | |
| | GEO 330 Geography of the United States and Canada | 3 | |
| | GEO 333 Geography of Michigan and the Great Lakes Region | 3 | |
| | GEO 335 Geography of Latin America | 3 | |
| | GEO 336 Geography of Europe | 3 | |
| | GEO 337 Geography of Asia-Pacific (I) | 3 | |
| | GEO 338 Geography of Africa | 3 | |
| 3. | Complete a minimum of 9 additional credits in Geography courses, of which 6 credits must be at the 400-level. The courses must be approved by the student's academic advisor. | | |

MINOR IN GEOGRAPHIC INFORMATION SCIENCE

The Minor in Geographic Information Science, which is administered by the Department of Geography, provides a fundamental foundation to the breadth of study within the field of geographic information science.

The minor is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University other than the Bachelor of Science Degree in Geographic Information Science. With the approval of the department and college that administers the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree. At least 12 unique credits counted towards the requirements for a student's minor must not be used to fulfill the requirements for that student's major.

Students who plan to complete the requirements for the minor should consult an undergraduate advisor in the Department of Geography.

Requirements for the Minor in Geographic Information Science

| | CREDITS |
|--|---------|
| Complete a minimum of 20 credits in the Department of Geography from the following: | |
| 1. The following course (3 credits): | |
| GEO 221 Introduction to Geographic Information | 3 |
| 2. One of the following courses (3 credits): | |
| GEO 490 Independent Study | 3 |
| GEO 498 Internship in Geography | 3 |
| Both Geography 490 and 498 must have geographic information science, remote sensing, or cartography content to fulfill this requirement. Students should obtain advisor approval prior to enrolling in a section of either of these courses. | |
| 3. Complete a minimum of 14 credits from the following courses: | |
| GEO 324 Remote Sensing of the Environment | 4 |
| GEO 325 Geographic Information Systems | 3 |
| GEO 363 Introduction to Quantitative Methods for Geographers | 3 |
| GEO 419 Application of Geographic Information Systems to Natural Resources Management | 4 |
| GEO 423 Cartographic Design and Production | 4 |
| GEO 424 Advanced Remote Sensing | 4 |
| GEO 425 Problems in Geographic Information Science (W) | 3 |
| GEO 426 Thematic Cartography | 4 |
| GEO 428 Digital Terrain Analysis | 4 |
| GEO 453 Metropolitan Environments: Urban Forms and Land Uses | 3 |
| GEO 494 Remote Sensing Field Techniques | 2 |
| Additional courses as approved by the student's academic advisor. | |

TEACHER CERTIFICATION OPTIONS

A geography disciplinary minor is available for secondary teacher certification.

Students who elect the geography disciplinary minor must contact the Department of Geography to plan their programs of study.

For additional information, refer to the statement on *TEACHER CERTIFICATION* in the *Department of Teacher Education* section of this catalog.

GRADUATE STUDY

The Department of Geography offers programs in the discipline of geography leading to the Master of Science and Doctor of Philosophy degree in Geography and the Master of Science degree in Geographic Information Science.

Students who are enrolled in master's or doctoral degree programs in the Department of Geography may elect an Interdepartmental Specialization in Cognitive Science. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Cognitive Science*. For additional information, contact the Department of Geography.

GEOGRAPHY

Master of Science

The master's program in geography is designed to enable the student to achieve professional competence in the discipline. This program is intended to increase substantive and technical proficiency.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

All students seeking the master's degree in geography are expected to have completed courses in physical, human, and regional geography; in quantitative methods; and in geographic information science. Applicants who have not completed all of these requirements may be admitted provisionally, and must remedy all course deficiencies before the degree is granted. Any course work complete to correct course deficiencies may not be counted towards the requirements for the degree.

REGULAR STATUS: The requirements for admission to the program include:

1. A bachelor's degree from a recognized college or university preferably with an undergraduate major in geography or at least 14 credits in geography and related fields.
2. A grade-point average of at least 3.40 at the time of application in both (1) all geography courses and (2) all courses completed during the junior and senior years.
3. Satisfactory scores on the Graduate Record Examination General Test.

Requirements for the Master of Science Degree in Geography

The Master of Science in Geography is available only under Plan A (with thesis). The student must complete a total of 30 credits distributed as follows:

| | |
|--|--------|
| 1. Both of the following courses: | 7 to 9 |
| GEO 886 Research Design in Geography | 3 |
| GEO 899 Master's Thesis Research | 4 to 6 |
| 2. One of the following four seminars: | 3 |
| GEO 871 Seminar in Physical Geography | 3 |
| GEO 872 Seminar in Human Geography | 3 |
| GEO 873 Seminar in Human-Environment Geography | 3 |
| GEO 874 Seminar in Geographic Information Science | 3 |
| 3. Complete 3 or 4 credits in a geospatial technology course at the 400 level or 800-level. A list of courses available to fulfill this requirement is available from the student's guidance committee. Course work used to fulfill this requirement must be taken while enrolled as a graduate student at Michigan State University. | |
| 4. Complete 3 or 4 credits at the 400 or 800- level in an area of cartography, geographic information science, remote sensing, quantitative methods, qualitative methods, world language, or programming. A list of courses available to fulfill this requirement is available from the student's guidance committee. Course work used to fulfill this requirement must be taken while enrolled as a graduate student at MSU. The course used to fulfill requirement 3. above may not be used to fulfill this requirement. | |
| 5. Complete an additional 10 to 14 credits of course work taken inside or outside of the department. The course work must be approved by the student's guidance committee. | |
| 6. Presentation of a research paper or poster at a professional meeting. | |
| 7. Pass a final oral examination in defense of the thesis. | |

GEOGRAPHIC INFORMATION SCIENCE

Master of Science

The Master of Science in Geographic Information Science is a Plan B (non-thesis) degree that places emphasis on applications of analytical techniques in the field of geography. Students are trained in advanced technologies such as remote sensing, geographic information systems, cartography, and spatial analysis. The degree is aimed toward professionals who want to acquire expertise in research techniques, but who may not wish to pursue a Doctor of Philosophy degree. This program is appropriate for persons with interest, but not necessarily strong training, in the geographical sciences.

Admission

Admission to the program is based on an evaluation of the complete application packet, which includes all transcripts and grades, letters of recommendation, a completed Background Information Form, a statement of purpose, and a summary of professional experience and awards.

Highly ranked applicants will normally have: (1) an undergraduate degree in geography or a closely related field, and/or (2) significant professional experience dealing with the analysis of spatial data in public sector environmental management, transportation planning or evaluation, or urban planning.

All students are expected to have completed: (1) the equivalent of Geography 221, Introduction to Geographic Information which is an integrated introduction to cartography, geographic information systems, and remote sensing and (2) at least one of the following mathematics courses: Calculus I, Linear Algebra, or an introductory statistics course.

In addition to meeting the requirements of the university and the College of Social Science, students must meet the requirements specified below.

Requirements for the Master of Science Degree in Geographic Information Science

All students in the Master of Science in Geographic Information Science must earn at least 30 credits, approved by the student's guidance committee, distributed as follows:

| | CREDITS |
|---|---------|
| 1. All of the following courses: | 9 |
| GEO 425 Problems in Geographic Information Science (W) | 3 |
| GEO 820 GIS and Management | 3 |
| GEO 821 GIS Practicum | 3 |
| 2. At least one 400-level or higher course in cartography | 3 or 4 |
| 3. At least one 400-level or higher course in quantitative methods | 4 |
| 4. Complete one of the following courses: | 3 or 4 |
| GEO 825 Geoprocessing | 4 |
| GEO 826 Seminar in Cartography and Geoprocessing | 3 |
| GEO 827 Digital Image Processing and Analysis | 4 |
| 5. Related course work in geography and other disciplines | 9 |
| 6. Pass an exit examination administered by the student's graduate committee. | |

Doctor of Philosophy

The Ph.D. program in geography is designed to develop the student's ability to conduct original research with special reference to:

1. understanding of scientific inquiry.
2. knowledge of the geographic discipline.
3. understanding of a specialized area of geography such as people/environment, physical geography, regional development, or economic-regional science.
4. proficiency with analytical and technical skills particularly with respect to spatial data analysis and manipulation.
5. skills in communicating the results of research.

In addition to meeting the requirements of the University and of the College of Social Science, students must meet the requirements specified below.

Admission

Admission to the doctoral program is based upon an evaluation of the student's academic records related to both the bachelor's and master's degrees, Graduate Record Examination (GRE) General Test scores, letters of recommendation, written statements, and other pertinent information such as professional experience and related achievements. Typical entrants to the doctoral program present a grade-point average of 3.60 or higher in a recognized master's degree program, which usually includes a thesis, and satisfactory scores on the GRE.

Requirements for the Doctor of Philosophy Degree in Geography

The student must:

1. Complete at least 56 credits while enrolled in the doctoral program including the following courses:

| | CREDITS |
|---|----------|
| a. The following courses: | 6 |
| GEO 886 Research Design in Geography | 3 |
| GEO 986 Theory and Methods in Geography | 3 |
| b. At least two of the following four seminars: | 6 |
| GEO 871 Seminar in Physical Geography | 3 |
| GEO 872 Seminar in Human Geography | 3 |
| GEO 873 Seminar in Human-Environment Geography | 3 |
| GEO 874 Seminar in Geographic Information Science | 3 |
| c. One advanced-level tool course | 3 |
| Tool courses may be in such areas as computer science, foreign language, statistics or mathematics, cartography, remote sensing, geographic information science and social science or physical science research methods. The courses may be administered by the Department of Geography or by another department or school. | |
| d. Courses that focus on a specialized area of geography and related course work | 17 or 18 |
2. In consultation with the student's guidance committee, submit a manuscript to a refereed journal.

DEPARTMENT of HISTORY

Walter Hawthorne, Chairperson

The Department of History offers courses which deal with human societies in all geographical regions and time-periods. Courses in African, Asian, Latin American, European, and North American history provide a rich array of offerings, many of which focus on issues of race, ethnicity, and gender while providing insight into the human condition as a whole.

All courses in history have the goal of helping students learn how to think and write historically in a critical and insightful manner. History courses emphasize learning how to identify viewpoints, gather and organize historical information, distinguish facts from interpretations, recognize historical relationships and patterns, and appreciate the relevance of historical insight to the understanding of current events and problems.

By involving all students in the process of careful analysis of evidence and thoughtful, cogent expression of ideas, the department seeks to equip students with intellectual skills which have multiple uses in the larger society outside the university. Its programs, in addition to providing a liberal education, are designed to serve as professional preparation in various fields, including teaching; the law; federal, state, and local government; work in historical societies and museums; and research.

UNDERGRADUATE PROGRAMS

The department offers a Bachelor of Arts degree in History and a Bachelor of Arts degree in History Education for student's pursuing teacher certification. Students interested in teacher certification should contact the student affairs advisor in the College of Education. A Minor in Defense Studies and Leadership is also available.

HISTORY

Requirements for the Bachelor of Arts Degree in History

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in History.
The University's Tier II writing requirement for the History major is met by completing one of the following courses: History 480, 481, 482, 483, 484, 485, 486, 487, or 488. Those courses are referenced in item 3.a.(3) below.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.
The completion of 12 of the 15 credits required for the College of Social Science SOCIAL SCIENCE REQUIREMENT (referenced in section I. A. under the heading *Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees* in the college statement), must either be taken in one disciplinary department or have a thematic unity. A thematic unity must be approved by the undergraduate advisor for History majors.
3. The following requirements for the major:

| | CREDITS |
|--|----------|
| a. The following History courses: | 33 to 40 |
| (1) The following course (3 credits): | |
| HST 201 Historical Methods and Skills | 3 |
| (2) Three of the following courses (12 credits): | |
| HST 140 World History to 1500 | 4 |
| HST 150 World History since 1500 | 4 |
| HST 202 U.S. History to 1876 | 4 |
| HST 203 U.S. History since 1876 | 4 |
| HST 205A The Ancient Mediterranean from 3000 BCE to 400 CE | 4 |
| HST 205B Europe in the Middle Ages from 400 to 1500 | 4 |
| HST 206 European History since 1500 | 4 |
| HST 208 Introduction to African History, Culture and Society | 4 |
| HST 209 Traditional East Asia | 4 |
| HST 210 Modern East Asia | 4 |
| (3) Two of the following courses (6 credits): | |
| HST 480 Seminar in American History (W) | 3 |
| HST 481 Seminar in Ancient History (W) | 3 |
| HST 482 Seminar in Medieval History (W) | 3 |
| HST 483 Seminar in Modern European History (W) | 3 |
| HST 484 Seminar in African History (W) | 3 |
| HST 485 Seminar in Asian History (W) | 3 |
| HST 486 Seminar in Latin American History (W) | 3 |
| HST 487 Seminar in Comparative History (W) | 3 |
| HST 488 Seminar in International Relations (W) | 3 |
| HST 492H Senior Honors Seminar | 3 |
| The completion of this requirement satisfies the department's capstone course requirement. With the prior approval of the undergraduate advisor and internship coordinator, an internship taken for at least 3 credits may be substituted for the capstone course requirement. <i>Exception:</i> credits in History 490 or 499H may <i>not</i> be used to satisfy this requirement. | |
| (4) A minimum of 6 credits in History courses in <i>each</i> of the following areas: | |
| (a) United States History | |
| (b) European History | |
| (c) African, Asian, or Latin American History | |
| (5) History electives: Additional credits in History courses at the 300--400 level as needed to meet the requirement of at least 33, but not more than 40, credits in courses in the major. | |
| b. Second-year competency in a foreign language. This requirement may be satisfied by placing into a 300-level foreign language course based on a Michigan State University placement test. Credits used to satisfy this requirement may be used to satisfy the College of Social Science requirement of credits in courses in the College of Arts and Letters. | |

HISTORY EDUCATION

The Bachelor of Arts degree in History Education is designed to train students teach history in elementary and secondary schools.

Requirements for the Bachelor of Arts Degree in History Education

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in History Education.
The University's Tier II writing requirement for the History Education major is met by completing one of the following courses: History 480, 481, 482, 483, 484, 485, 486, 487, or 488. Those courses are referenced in item 3.c. below.
2. Students in the History Education major are not required to complete the College of Social Science requirements referenced under the heading *Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees* in the the *College of Social Science* section of this catalog.
3. The following requirements for the major:

| | CREDITS |
|--|---------|
| a. All of the following courses: | 22 |
| HST 140 World History to 1500 | 4 |
| HST 150 World History since 1500 | 4 |
| HST 201 Historical Methods and Skills | 3 |
| HST 202 U.S. History to 1876 | 4 |
| HST 203 U.S. History since 1876 | 4 |
| HST 320 History of Michigan | 3 |
| b. One 300-400 level history course that is not on the United States. The course must be approved by the student's academic advisor and may not have been used to fulfill any other requirement. | |
| c. One of the following courses (3 credits): | |
| HST 480 Seminar in American History (W) | 3 |
| HST 481 Seminar in Ancient History (W) | 3 |
| HST 482 Seminar in Medieval History (W) | 3 |
| HST 483 Seminar in Modern European History (W) | 3 |
| HST 484 Seminar in African History (W) | 3 |
| HST 485 Seminar in Asian History (W) | 3 |
| HST 486 Seminar in Latin American History (W) | 3 |
| HST 487 Seminar in Comparative History (W) | 3 |
| HST 488 Seminar in International Relations (W) | 3 |
| d. Two 300-400 level history courses approved by the student's academic advisor. These courses may not be used to fulfill any other requirement. | |
| 4. All of the following courses (9 credits): | |
| GEO 204 World Regional Geography | 3 |
| GEO 221 Introduction to Geographic Information | 3 |
| GEO 330 Geography of the United States and Canada | 3 |
| 5. A secondary disciplinary teaching minor chosen from the list of approved secondary education minors for teacher certification. Refer to the <i>Teacher Certification</i> section of the <i>Department of Teacher Education</i> . (20 to 26 credits) | |
| 6. Both of the following courses (6 credits): | |
| TE 150 Reflections on Learning | 3 |
| TE 250 Human Diversity, Power and Opportunity in Social Institutions | 3 |
| 7. One of the following groups of courses (15 credits): | |
| a. All of the following courses for secondary majors: | |
| TE 302 Learners and Learning in Contexts - Secondary (W) | 4 |
| TE 407 Teaching Subject Matter to Diverse Learners - Secondary (W) | 5 |
| TE 408 Crafting Teaching Practice - Secondary (W) | 6 |
| b. All of the following courses for elementary majors: | |
| TE 301 Learners and Learning in Contexts - Elementary (W) | 4 |
| TE 401 Teaching of Subject Matter to Diverse Learners - Elementary | 5 |
| TE 402 Crafting Teaching Practice - Elementary (W) | 6 |

MINOR IN DEFENSE STUDIES AND LEADERSHIP

The Minor in Defense Studies and Leadership, which is administered by the Department of History, provides students with a broad perspective on the military with analysis of all service branches of the Armed Forces from a historical and social scientific perspective. It also prepares current cadets for active duty service.

The minor is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. With the approval of the department and college that administers the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree. At least 12 unique credits counted towards the requirements for a student's minor must not be used to fulfill the requirements for that student's major.

Students who plan to complete the requirements for the minor should consult an undergraduate advisor in the Department of History.

Requirements for the Minor in Defense Studies and Leadership

| | CREDITS |
|--|---------|
| Students must complete 22 credits from the following: | |
| 1. One course from each of the following groups (4 credits): | |
| a. AS 111 Foundation of the United States Air Force I | 1 |
| MS 110 Army Leadership and Officer Development | 1 |
| b. AS 112 Foundation of the United States Air Force II | 1 |
| MS 120 Introduction to Army Leadership and Problem-Solving | 1 |
| c. AS 211 The Evolution of USAF Air and Space Power I | 1 |
| MS 210 Values and Ethics of Army Leaders | 1 |
| d. AS 212 The Evolution of USAF Air and Space Power II | 1 |
| MS 220 Challenges in Army Leadership | 1 |
| 2. One of the following groups of courses (6 credits): | |
| a. AS 321 Air Force Leadership Studies I | 3 |
| AS 322 Air Force Leadership Studies II | 3 |
| b. MS 310 Leading and Problem Solving in Army Units | 3 |
| MS 320 Army Small Unit Tactics and Leadership | 3 |
| 3. One of the following groups of courses (6 credits): | |
| a. AS 421 National Security Affairs | 3 |
| AS 422 National Security Affairs and Preparation for Active Duty | 3 |
| b. MS 410 Adaptive Army Leadership | 3 |
| MS 420 Army Leadership in a Complex World | 3 |
| 4. One of the following courses (3 credits): | |
| HST 304 The American Civil War | 3 |
| HST 326 United States Foreign Relations Since 1914 | 3 |
| HST 328 Military History of the United States 1900-Present | 3 |
| HST 390 History of International Relations | 3 |
| HST 395 The Social History of War | 3 |
| HST 414 World War II: Causes, Conduct and Consequences | 3 |
| 5. One of the following courses (3 credits): | |
| CJ 422 Comparative and Historical Criminal Justice | 3 |
| CJ 439 Homeland Security | 3 |
| CJ 473 Comparative Constitutional Law | 3 |
| PLS 140 Government and Politics of the World | 3 |
| PLS 344 Politics in the Third World | 3 |
| PLS 362 Foreign Policy | 3 |
| PLS 363 International Political Conflict | 3 |
| PSY 255 Industrial and Organizational Psychology | 3 |
| SOC 331 Political Sociology | 3 |

SPECIALIZATION IN AFRICAN AMERICAN HISTORY AND CULTURE

The Specialization in African American History and Culture, which is administered by the Department of History, is designed to:

1. Help students to better understand and appreciate African American art, history, literature, music, and religion.
2. Help students to become more aware of the role of African Americans within the context of American history.
3. Promote scholarship in African American history and culture.

Students who plan to complete the requirements for the specialization must contact the undergraduate advisor for African American History and Culture in the Department of History and sign a statement of interest in the specialization. The student's

program of study for the specialization must be approved by that advisor.

With the approval of the department and college that administer the student's degree program, courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for the bachelor's degree.

Requirements for the Specialization in African American History and Culture

| | CREDITS |
|---|---------|
| 1. Core (9 credits). The student must complete one of the following concentrations below: | |
| English | |
| ENG 349 African-American Literature I ¹ | 3 |
| ENG 350 African-American Literature II ¹ | 3 |
| ENG 450 Studies in African American Literature ¹ | 3 |
| History | |
| HST 310 African American History to 1876 ¹ | 3 |
| HST 311 African American History Since 1876 ¹ | 3 |
| HST 312 African American Women ¹ | 3 |
| 2. Electives. The student must complete a minimum of 11 credits in at least three of the courses listed below. A student who meets the Core requirement by completing the English concentration must complete at least three courses outside the Department of English. A student who meets the Core requirement by completing the History concentration must complete at least three courses outside the Department of History. | |
| IAH 211C Area Studies and Multicultural Civilizations: The Americas (D) ² | 4 |
| IAH 241A Creative Arts and Humanities: Music and Society in the Modern World (D) ² | 4 |
| ENG 349 African-American Literature I ¹ | 3 |
| ENG 350 African-American Literature II ¹ | 3 |
| ENG 353 Women and Literature ³ | 3 |
| ENG 405 Language Use in the African-American Community | 3 |
| ENG 450 Studies in African American Literature ¹ | 3 |
| ENG 463 Studies in Literature of Africa and the African Diaspora | 3 |
| HST 310 African American History to 1876 ¹ | 3 |
| HST 311 African American History Since 1876 ¹ | 3 |
| HST 312 African American Women ¹ | 3 |
| HST 322 History of the American South | 3 |
| HST 480 Seminar in American History ⁴ | 3 |
| MUS 130 Jazz Band | 1 |
| MUS 131 Jazz Combo | 1 |
| MUS 330 Advanced Jazz Improvisation I | 2 |
| MUS 331 Advanced Jazz Improvisation II | 2 |
| WRA 125 Writing: The American Ethnic and Racial Experience ² | 4 |

¹ This course may be used to satisfy either the requirement referenced in item 1, or the requirement referenced in item 2., but not both of those requirements.

² Only one of the following three courses may be used to satisfy the requirements for the Specialization in African American History and Culture: Writing, Rhetoric and American Cultures 125; Integrative Studies in Arts and Humanities 211C, 241A. That course may also be used to satisfy university requirements.

³ To be counted toward the requirements for the Specialization in African American History and Culture, the content of this course must focus on African American culture. The undergraduate advisor for African American History and Culture in the Department of History must approve in writing the content of this course before the student enrolls in the course.

⁴ To be counted toward the requirements for the Specialization in African American History and Culture, the content of this course must focus on African American history. The undergraduate advisor for African American History and Culture in the Department of History must approve in writing the content of this course before the student enrolls in the course.

TEACHER CERTIFICATION OPTIONS

The history education disciplinary major leading to the Bachelor of Arts degree is available for teacher certification.

A history disciplinary minor is also available for teacher certification.

Students who elect the history education disciplinary major or the history disciplinary minor must contact the Department of History.

For additional information, refer to the statement on TEACHER CERTIFICATION in the *Department of Teacher Education* section of this catalog.

GRADUATE STUDY

Graduate programs in the Department of History are designed primarily for students whose career goals require a doctoral degree. The department welcomes applicants who are prepared to pursue a rigorous program of graduate study.

HISTORY

Master of Arts

The Master of Arts degree program in history is designed for students who desire a general course of advanced study in the field.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

Admission to graduate study in the Department of History is primarily to the doctoral program. However, under certain circumstances, the department will consider applications for admission to the Master of Arts in History from students who wish to earn a master's degree in preparation for the doctoral degree. Please consult with the Departmental Graduate Studies Director if you wish to apply for the Master of Arts in History.

To be considered for admission to the Master of Arts degree program in history, an applicant must:

1. Have the results of the Graduate Record Examination (GRE) General Test and the results of the GRE Subject Test in History forwarded to the department.
2. Submit to the department a term paper that the applicant considers to be a fair representation of his or her ability in research and writing.
3. Include in the letter required by the college a 500–1000 word statement that addresses the applicant's goals in pursuing a Master of Arts degree program in history.

To be admitted to the program on regular status, an applicant must have:

1. A baccalaureate degree in history or in another field.
2. A grade–point average of at least 3.50 for the last two years of undergraduate study.
3. Completed a minimum of 20 semester credits in history courses with a grade–point average of at least 3.50.
4. Scores in at least the upper one–quarter on the verbal section of the GRE General Test and on the GRE Subject Test in History.

In addition, an international applicant is required to have fulfilled the university's English language proficiency requirement as described in the *Graduate Education* section of this catalog in one of the following three ways:

1. Have a total score of 580 (paper version) or 237 (computer version) or above on the **Test of English as a Foreign Language** with no subscore below 55 (paper version) or 21 (computer version) and have the approval of the English Language Center.
2. Have an average score of 85 or higher on the **Michigan English Language Assessment Battery** with no subscore below 83 and have the approval of the English Language Center.
3. Have an average score of 85 or higher on the **English Language Center Test** with no subscore below 83 and have the approval of the English Language Center.

Guidance Committee

Before completing 8 credits in history courses, the student, with the assistance of the Graduate Director, must constitute a guidance committee of at least two faculty members in the Department of History who represent different fields of history. Until the student's guidance committee has been established, the student's program of study must be approved by the Graduate Director.

Requirements for the Master of Arts Degree in History

The program is available under both Plan A (with thesis) and Plan B (without thesis). A total of 30 credits is required for the degree under either Plan A or Plan B. The student's program of study must be approved by the student's guidance committee. The student must meet the requirements specified below:

Requirements for Both Plan A and Plan B

1. Complete HST 803 Seminar in Methodology of Historical Research (3 credits).
2. Complete at least 15 credits in 800–900 level history courses including one 3 credit course in historiography relevant to the student's program of study.
3. Demonstrate the ability to read historical literature in one foreign language. Credits in courses in foreign language may not be counted toward the requirements for the Master of Arts or Doctor of Philosophy in History degree programs.

Additional Requirements for Plan A

1. Complete 6 credits of HST 899 Master's Thesis Research.
2. Pass a final oral examination that covers the student's program of study and thesis.

Additional Requirements for Plan B

1. Pass a certifying examination, consisting of three parts, one testing the major area and two tests in each of the student's minor areas.

Academic Standards

A student who does not demonstrate a reading knowledge of a foreign language during the first year of enrollment in the program will not be permitted to enroll in any courses with the exception of courses in a foreign language, until that requirement has been satisfied.

Doctor of Philosophy

The program leading to the doctoral degree with a major in history is designed to provide wide knowledge in several fields of history, specialized competence in a limited area, and research techniques that will prepare the student for a career in teaching, research, government service, private industry, and other areas of professional historical activity.

The following fields of study are available to doctoral students in the department:

- Ancient history
- Medieval history
- Early modern European history
- Modern Western European history
- Russian history
- East European history

SOCIAL SCIENCE
Department of History

- American history
- African–American history
- History of the Atlantic world
- Latin American and Caribbean history
- Comparative Black history
- African history
- Asian history
- The history of women and gender relations

The department recognizes the high importance of developing among its doctoral candidates a proficiency in college teaching. To the limit of its resources, it undertakes to provide experience in teaching in the form of graduate assistantships, along with organized discussions of the ends and means of the teaching career.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

Students are admitted to the program for fall semester only. The department must receive all application materials by January 1. Decisions on admission are announced on or shortly after March 31. In making admissions decisions, the department considers the competencies of the faculty and the needs of students and the profession.

To be considered for admission to the Doctor of Philosophy degree program in history, an applicant must:

1. Have the results of the Graduate Record Examination (GRE) General Test and the Subject Test in History forwarded to the department.
2. Submit a term paper to the department that the applicant considers to be a fair representation of his or her ability in research and writing.
3. Include in a letter required by the college a 500-1000 word statement that addresses the applicant's goals in pursuing a Doctor of Philosophy degree in history.
4. Have at least three individuals, preferably scholars with whom the applicant has had course work or other professional contact, submit letters of recommendation to the department.

To be admitted to the program with regular status, an applicant must demonstrate the appropriate reading and/or speaking knowledge in one foreign language relevant to the student's doctoral study. Applicants without a master's degree or 30 credits of approved course work, including History 803 or its equivalent; significant course work in historiography and content in the major field; and two minor areas of concentration; will be admitted provisionally. The graduate director and/or advisor will advise students regarding the removal of deficiencies and the completion of a specified number of collateral courses before regular admission to the Ph.D. in History is granted. Applicants completing these pre-Ph.D. courses will acquire a graduate academic record equivalent to the course requirements of the Master of Arts in History.

In addition, an international applicant is required to have fulfilled the university's English language proficiency requirement as described in the *Graduate Education* section of this catalog in one of the following three ways:

1. Have a total score of 580 (paper version) or 237 (computer version) or above on the **Test of English as a Foreign Language** with no subscore below 55 (paper version) or 21 (computer version) and have the approval of the English Language Center.
2. Have an average score of 85 or higher on the **Michigan English Language Assessment Battery** with no subscore below 83 and have the approval of the English Language Center.

3. Have an average score of 85 or higher on the **English Language Center Test** with no subscore below 83 and have the approval of the English Language Center.

Applicants for doctoral study should understand that the department can offer no assurance that all of the areas of professional specialization will be available to students at any particular time. It is essential that persons with specific, clearly defined academic interests communicate with the Graduate Director before making firm plans to enroll in the doctoral program.

Guidance Committee

Students entering the doctoral program will be guided by the graduate director in the selection of courses for the first year. By the end of the second semester, students should choose their major professor and their guidance committee. The committee shall consist of at least four members: two represent the student's major field, one of whom shall chair the student's guidance committee and direct the dissertation. In addition, two faculty members, one from each of the student's chosen two minor fields, will serve on the committee.

Requirements for the Doctor of Philosophy Degree in History

The student must:

1. Complete at least 3 credits in the historiography courses specified by the graduate advisor or guidance committee.
2. Complete at least 9 credits in additional 800-900 level courses in a major field of history as specified by the student's guidance committee. The major field should be the field in which the student plans to focus research for the dissertation. The available major fields of history are referenced above.
3. Complete at least 6 credits in each of the student's two minor fields or in one minor field of history and in one minor field in a related discipline.
4. Student must demonstrate knowledge of a second foreign language before they may take the comprehensive examinations. This requirement for students formally admitted to the Ph.D. program can be fulfilled by one of these three options:
 - a. Competency in an additional (second) foreign language.
 - b. With approval of the student's guidance committee, the student may substitute certification in humanities computing for the second foreign language.
 - c. With the approval of the student's guidance committee, the student may complete courses in a supporting discipline such as statistics, philosophy, economics, or anthropology in lieu of demonstrating knowledge of a second foreign language. The supporting discipline shall constitute the student's third minor field. A faculty member in the supporting discipline shall be added as a fifth member of the student's guidance committee.
5. Pass the following comprehensive examinations:
 - a. A 3-4 hour written examination in the student's major field and a 3-4 hour written examination in each of the student's minor fields. This requirement must be satisfied during one semester of enrollment in the program and should be completed during the fifth semester.
 - b. An oral examination of up to three hours. This requirement must be satisfied after the student has passed the written examinations.
 - c. Pass a final oral examination in defense of the dissertation.

Academic Standards

A student who does not demonstrate a reading knowledge of a foreign language during the first year of enrollment in the program will not be permitted to enroll in any courses, with the exception of courses in a foreign language, until that requirement has been satisfied.

HISTORY–SECONDARY SCHOOL TEACHING

Master of Arts

The Master of Arts degree program in history–secondary school teaching is designed specifically for secondary school teachers and is a terminal degree program.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

To be admitted to the Master of Arts degree program in history–secondary school teaching on regular status, an applicant must have:

1. A bachelor's degree with a major in history or in another field.
2. A grade–point average of at least 3.00 in the junior and senior years of the baccalaureate program.
3. A minimum of 20 semester credits in history courses with a grade–point average of at least 3.00.
4. One year of experience teaching history in a secondary school.

In addition, an international applicant is required to have fulfilled the university's English language proficiency requirement as described in the *Graduate Education* section of this catalog in one of the following three ways:

1. Have a total score of 580 or above on the **Test of English as a Foreign Language** with no subscore below 55 and have the approval of the English Language Center.
2. Have an average score of 85 or higher on the **Michigan English Language Assessment Battery** with no subscore below 83 and have the approval of the English Language Center.
3. Have an average score of 85 or higher on the **English Language Center Test** with no subscore below 83 and have the approval of the English Language Center.

Guidance Committee

Before completing 9 credits in history courses, the student, with the assistance of the Graduate Director and the History Education advisor, must constitute a guidance committee of at least two faculty members in the Department of History who represent different fields of history. Until the student's guidance committee has been established, the student's program of study must be approved by the Graduate Director and the History Education advisor.

Requirements for the Master of Arts Degree in History–Secondary School Teaching

The program is available only under Plan B (without thesis). A total of 30 credits is required for the degree. The student's program of study must be approved by the student's guidance committee. The student must meet the requirements specified below:

| | CREDITS |
|---|---------|
| 1. Complete at least 15 credits in 800–900 level history courses including: | |
| HST 803 Seminar in Methodology of Historical Research | 3 |
| HST 898 Master's Research | 3 |
| One course in historiography relevant to the student's program of study. | |
| Courses in two of the following three areas that are commonly taught in secondary schools: American civilization, European civilization, and African or Asian or Latin American civilization. | |
| 2. Complete 6 to 9 credits in one or two disciplines related to history. | |
| 3. Pass an oral final certifying examination administered by the student's guidance committee. | |

Residence

The student must complete at least 12 credits in courses that are to be counted toward the requirements for the degree on the East Lansing campus of Michigan State University.

DEPARTMENT of HUMAN DEVELOPMENT and FAMILY STUDIES

Karen Smith Wampler, Chairperson

The Department of Human Development and Family Studies is committed to improving the health and well-being of individuals and families across the lifespan through research and preparation of graduates for research, teaching, and professional practice. Recognizing, understanding and addressing the central role of diversity and interdependence among families and communities in the process of human development are core values of the department.

Areas of study include child development, youth development, lifespan human development, family diversity and couple and family therapy. Knowledge of basic research and the application of research to improving the lives of individuals in the context of the family, the community, and policy are emphasized. Practical experiences in real-world settings are incorporated into all areas of study. The Child Development Laboratory and the Couple and Family Therapy Clinic are part of the department.

At the undergraduate level, the focus is on the application of knowledge about individual development and family processes to early childhood education, child and youth services in the community, and services for adults. At the graduate level, this focus is widened to include courses and research experiences with the goal of improving the training of early childhood teachers, preparing professionals who will serve youth in a variety of contexts, and training therapists who provide services to families, couples, and individuals. The department graduate programs also prepare scholars who study child development in the context of family processes, diverse families and family problems, and the process and outcome of therapeutic interventions.

SOCIAL SCIENCE

Department of Human Development and Family Studies

UNDERGRADUATE PROGRAMS

CHILD DEVELOPMENT

Bachelor of Arts

The Bachelor of Arts in Child Development degree program combines a basic education in child development and family studies with a broad general education and preparation related to employment in early childhood education settings.

Elementary Education Teacher Certification course work prepares graduates to work in the early grades of primary schools, kindergarten through third grade and to meet the requirements to earn an Elementary Education Teaching Certificate (kindergarten through fifth grade) with an Early Childhood General and Special Education Endorsement.

The Preschool Teaching in an Early Childhood Setting concentration prepares graduates to work in early childhood settings such as Head Start and preschools and in other child-related fields such as policy, health care, or administration.

Requirements for the Bachelor of Arts Degree in Child Development

- 1. The University requirements for bachelor's degrees as described in the Undergraduate Education section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Child Development.
2. The requirements of the College of Social Science for the Bachelor of Arts degree except for students pursuing the Elementary Education Teacher Certification concentration.
3. The following requirements for the major:

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- a. All of the following courses: CEP 240, HDFS 211, HDFS 320, HDFS 320L, HDFS 321, HDFS 321L, HDFS 322, HDFS 421, HDFS 424
b. One of the following concentrations:

Elementary Education Teacher Certification

Completion of an Integrated Teaching Major in Integrated Science, Language Arts, Mathematics, or Social Studies. For additional information, refer to the statement on TEACHER CERTIFICATION in the Department of Teacher Education section of this catalog.

Preschool Teaching in an Early Childhood Setting

- 1. All of the following courses (15 credits): HDFS 145, HDFS 414, HDFS 442, HDFS 472, HDFS 473
2. One of the following courses (1 to 3 credits): Students must seek advisor approval prior to enrolling in one of these courses. HDFS 490

Table with 2 columns: Course Number and Description. HDFS 497 Topics in Human Development and Family Studies 1 to 3. SSC 490 Special Topics in Social Science 1 to 3.

HUMAN DEVELOPMENT AND FAMILY STUDIES

Graduates will be committed to improving the health and well-being of diverse individuals and families across the lifespan through research, teaching, and professional practice. Recognizing, understanding and addressing the central role of diversity and interdependence among families and communities is a core value of graduates.

Requirements for the Bachelor of Arts Degree in Human Development and Family Studies

- 1. The University requirements for the bachelor's degree as described in the Undergraduate Education section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Human Development and Family Studies.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.
3. The following requirements for the major.

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Table with 2 columns: Course Number and Description. HDFS 145, HDFS 225, HDFS 270, HDFS 345, HDFS 414, HDFS 442, HDFS 444, HDFS 445, HDFS 447, HDFS 448, HDFS 454, HDFS 472, HDFS 481, HDFS 493

Requirements for the Bachelor of Science Degree in Human Development and Family Studies

- 1. The University requirements for the bachelor's degree as described in the Undergraduate Education section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Human Development and Family Studies.
2. The requirements of the College of Social Science for the Bachelor of Science degree.
3. The following requirements for the major.

CREDITS 46

Table with 2 columns: Course Number and Description. HDFS 145, HDFS 225, HDFS 270, HDFS 345, HDFS 414, HDFS 442, HDFS 444, HDFS 445, HDFS 447, HDFS 448, HDFS 454, HDFS 472, HDFS 481, HDFS 493

TEACHER CERTIFICATION OPTIONS

The child development disciplinary major leading to the Bachelor of Arts degree is available for teacher certification.

Students who elect the child development disciplinary major must contact the Department of Human Development and Family Studies.

For additional information, refer to the statement on *TEACHER CERTIFICATION* in the *Department of Teacher Education* section of this catalog.

GRADUATE STUDY

The Department of Human Development and Family Studies is concerned with human development and with the interaction of individuals and family members throughout the life cycle as they interact with their environment. The department offers the following degree programs:

Graduate Certificate

- Youth Development Specialist
- Youth Program Management and Evaluation

Master of Arts

- Family Community Services
- Youth Development

Master of Science

- Child Development
- Human Development and Family Studies

Doctor of Philosophy

- Human Development and Family Studies

All graduate programs in the department are designed to develop professional competence, to encourage creative thinking, and to prepare the student to perform and utilize research. Each student's program is developed within the framework of the area of major interest, taking into consideration his or her professional experience, interests, and educational and career goals.

Challenging careers to which advanced degrees may lead include college teaching, research, extension, teaching, marriage and family therapy, and administration in early childhood education centers. Graduates also may be employed as family specialists in community and family agencies.

Opportunities are available within the Department of Human Development and Family Studies for graduate students to participate in ongoing interdisciplinary research and in field experiences in school or community settings. The Child Development Laboratories and the Couple and Family Therapy Clinic provide opportunities for applied and research experiences.

Students who are enrolled in Master of Arts, Master of Science, and Doctor of Philosophy degree programs in the Department of Human Development and Family Studies may elect specializations in Infancy and Early Childhood. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Infancy and Early Childhood* in the *College of Social Science* section of this catalog.

Master of Arts and Master of Science

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Students with limited undergraduate backgrounds may be required to correct such deficiencies by completing courses which serve as prerequisites to graduate work.

Master of Science Degree in Child Development

This program focuses on the behavioral, psychological, biological and contextual processes that promote positive developmental outcomes in infants and young children. Key contexts of development emphasized in the program include family, early childhood educational settings, and culture. Courses are available in areas such as development across cultures, infant development, language and literacy research and practices, social-emotional development, observational methods for home or classroom, approaches to early education, intervention and prevention programs, and parenting. Laboratory experiences in early childhood education are available in the Child Development Laboratories, and research experiences are available through work with faculty mentors.

Master of Arts Degree in Family Community Services

The Master of Arts in Family Community Services, is a collaborative, multi-institutional program offered totally online. This degree is designed to provide a research-based perspective to understand individual, family, interpersonal and community dynamics across the lifespan. Students will acquire knowledge and skills related to the design, implementation, sustainability, and leadership and management of family and community services programs.

The College of Social Science, in collaboration with The Great Plains Interactive Distance Education Alliance (GPIDEA), offers this program with all course work delivered via the Internet/World Wide Web by faculty from multiple land-grant universities: Michigan State University, Kansas State University, University of Missouri, University of Nebraska-Lincoln, Oklahoma State University, and South Dakota State University.

Students will earn this degree from their home institution while also enrolling for courses at other participating institutions.

In addition to meeting the requirements of the University and of the College of Social Science, students must meet the requirements specified below.

Admission

To be admitted, students must apply via their home institution and plan their course of study under the guidance of their academic advisor. Michigan State University students follow established University admission procedures.

Requirements for the Master of Arts Degree in Family Community Services

The program is available only online and only under Plan B (without thesis). Each student's course of study must be developed and approved in consultation with the academic advisor. The student must complete a total of 36 credits, of which 30 credits is course work required by The Great Plains Interactive Distance Education Alliance (GPIDEA) consortium, distributed as follows:

1. **Core** courses (30 credit hours):
 - Administration and Management of Human Services Programs
 - Crises Across the Lifespan
 - Family Dynamics
 - Family Resource Management
 - Foundations and Principles of Family and Community Services
 - Interpersonal Relationships
 - Lifespan Development
 - Parenting Education
 - Program Design, Evaluation and Implementation
 - Resilience in Families

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Department of Human Development and Family Studies

2. Additional course work (6 credit hours).
This enrollment will vary at each institution. At Michigan State University, students will fulfill this requirement by enrolling in course work approved by the student's academic advisor.
3. Pass a final oral examination or evaluation. This will include a formal presentation by the student on a topic determined by the student and the academic advisor.

Michigan State University students should contact the Department of Human Development and Family Studies or consult the Michigan State University *Schedule of Courses* for current course schedule and other information.

Master of Arts Degree in Youth Development

The Master of Arts in Youth Development, is a collaborative, multiinstitutional program offered totally online. This degree is designed to promote an understanding of communities and families and to prepare students to have an impact on the development of youth in their homes, neighborhoods, and society. American youth born since the early 1980s are projected to be the largest, most ethnically diverse generation of adolescents in the history of the United States, and this program is designed to address that demographic shift.

The curriculum is focused on the promotion of positive development of all young people. It is designed for individuals who wish to work in a variety of youth-related professions, including youth-serving organizations and programs such as Boys and Girls Clubs, community recreation specialties, youth programs sponsored by faith-based institutions, correctional professions, or within U.S. Extension Programs.

The College of Social Science, in collaboration with The Great Plains Interactive Distance Education Alliance (GPIDEA), offers this program with all course work delivered via the Internet/World Wide Web by faculty from multiple land-grant universities: Michigan State University, Kansas State University, University of Missouri, University of Nebraska, and North Dakota State University.

Students will earn this degree from their home institution while also enrolling for courses at other participating institutions.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

To be admitted, students must apply via their home institution and plan their course of study under the guidance of their academic advisor. Michigan State University students follow established university admission procedures.

Requirements for the Master of Arts Degree in Youth Development

The program is available only online and only under Plan B (without thesis). Each student's course of study must be developed and approved in consultation with the academic advisor. Each course is offered at least once every other year. The student must complete a total of 36 credits, of which 28 credits is course work required by The Great Plains Interactive Distance Education Alliance (GPIDEA) consortium, distributed as follows:

1. **Core courses** (28 credits):
 - Administration and Program Management
 - Adolescents and Their Families
 - Community Youth Development
 - Contemporary Youth Issues
 - Foundations of Youth Development
 - Program Design, Evaluation, and Implementation

Youth Development
Youth in Cultural Contexts
Youth Policy

Youth Professionals as Consumers of Research

2. Additional course work (8 credit hours).
This enrollment will vary at each institution and may require a master's thesis, project, or practicum. At Michigan State University, students will fulfill this requirement by enrolling in course work approved by the student's academic advisor.
3. Pass a final examination or evaluation.

Michigan State University students should contact the Department of Human Development and Family Studies or consult the Michigan State University *Schedule of Courses* for current course schedule and other information.

Master of Science Degree in Human Development and Family Studies

The Master of Science degree in Human Development and Family Studies is designed to help students gain an understanding of increasingly diverse family units as well as individual family members as they develop across the life course. Depending upon student interest and career goals, focus may be on human development (adolescence, aging), leadership, policy or diversity. Students are prepared to work with and advocate for families, children, youth and adults in a broad range of settings, including extension offices, community agencies, and policy-making contexts. Both a thesis (Plan A) and non-thesis (Plan B) option are offered. Those pursuing Plan A are prepared for doctoral study in a variety of related fields.

Doctor of Philosophy

Doctor of Philosophy Degree in Human Development and Family Studies

Faculty mentors work closely with doctoral students in experiences related to professional development, theory and conceptual model development, and translational research. Each student completes a professional portfolio during the course of the doctoral program in addition to comprehensive exams and the dissertation.

The Doctor of Philosophy Degree in Human Development and Family Studies offers four concentrations from which students may choose. They include:

Child Development: focus on behavioral, psychological, biological and contextual processes that promote positive developmental outcomes in infants and young children.

Family Diversity: focus on families in sociocultural context to include attention to gender, ethnicity, racial socialization, immigration, poverty, disability, sexual orientation and aging.

Lifespan Human Development: focus on developmental processes across the life course in the context of family, community, schools and other environments. Study may focus on one life stage (youth, emerging or older adults) or examine an issue (attachment, chronic illness) across the entire life course.

Couple and Family Therapy: focus on the application of research and theory to individual, group, couple and family therapy. Accredited by the Commission on Accreditation of Marriage and Family Therapy Education (COAMFTE).

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

Admission to the doctoral program in human development and family studies is based on evidence of academic ability, research potential, achievement, and maturity. Admission to the program assumes a background in the behavioral sciences; collateral course work that does not count toward the doctoral degree may be required where background is inadequate. A prospective doctoral student is required to take the general sections of the Graduate Record Examination and include the results with the application.

To be admitted to the doctoral program in human development and family studies with couple and family therapy as the area of concentration, an applicant must have completed a master's degree program with a major in marriage and family therapy or its equivalent. Students who select the couple and family therapy concentration must participate in a personal interview with a selected faculty committee. Students who select the couple and family therapy concentration are admitted to the degree program in fall semester only.

Requirements for the Degree

Students in the doctoral program in human development and family studies who select the couple and family therapy concentration are required to complete a supervised clinical internship. The Couple and Family Therapy Program at Michigan State University has been accredited by the Commission on Accreditation for Marriage and Family Therapy Education of the American Association for Marriage and Family Therapy. The re-accreditation period is effective through January 2013.

The inclusion of a foreign language in the doctoral program is at the discretion of the candidate and the guidance committee.

Graduate Certificate in Youth Program Management and Evaluation

The Youth Program Management and Evaluation Graduate Certificate is designed to assist youth professionals to develop and apply resources for successful implementation and management of youth-serving organizations. The program addresses the need for advanced education based on research and policy for optimal youth outcomes through a strengths-based curriculum.

The online format and course schedule of the certificate program allow flexibility to accommodate both full-time students and working professionals. The College of Social Science, in collaboration with The Great Plains Interactive Distance Education Alliance (GPIDEA), offers this program with all course work delivered via the World Wide Web at www.gpidea.org.

Admission

To be considered for admission into the Youth Program Management and Evaluation Graduate Certificate applicants must follow established University admission procedures. Students currently pursuing the Master of Arts in Youth Development are not eligible to apply for admission to the Youth Program Management and Evaluation Graduate Certificate. For additional information, refer to the *Admission* section in the *Graduate Education* section of this catalog.

Requirements for the Youth Program Management and Evaluation Graduate Certificate

The program is available totally online. Each course is offered at least once every other year. The student must complete 13 credits of course work in collaboration with The Great Plains Interactive Distance Education Alliance (GPIDEA).

1. The following course (1 credit):
Foundations of Youth Development
2. Four of the following courses (12 credits):
Administration and Program Management
Contemporary Youth Issues
Program Design, Evaluation and Implementation
Youth Policy
Youth Professionals as Consumers of Research

Graduate Certificate in Youth Development Specialist

The Youth Development Specialist Graduate Certificate is designed to assist youth professionals to train individuals in the second decade of life with the skills necessary for a successful transition into adulthood. The program addresses the need for advanced education in youth issues and does so through a strengths-based curriculum.

The online format and course schedule of the certificate program allows flexibility to accommodate both full-time students and working professionals. The College of Social Science, in collaboration with The Great Plains Interactive Distance Education Alliance (GPIDEA), offers this program with all course work delivered via the World Wide Web at www.gpidea.org.

Admission

To be considered for admission into the Youth Development Specialist Graduate Certificate applicants must follow established University admission procedures. Students currently pursuing the Master of Arts in Youth Development are not eligible to apply for admission to the Youth Development Specialist Graduate Certificate. For additional information, refer to the *Admission* section in the *Graduate Education* section of this catalog.

Requirements for the Youth Development Specialist Graduate Certificate

The program is available totally online. Each course is offered at least once every other year. The student must complete 13 credits of course work in collaboration with The Great Plains Interactive Distance Education Alliance (GPIDEA).

1. The following course (1 credit):
Foundations of Youth Development
2. Four of the following courses (12 credits):
Adolescents and Their Families
Community Youth Development
Contemporary Youth Issues
Youth Development
Youth in Cultural Contexts
Youth Policy

SCHOOL of HUMAN RESOURCES and LABOR RELATIONS

William N. Cooke, Director

Through its research, education, and development programs, the School of Human Resources and Labor Relations advances knowledge and understanding of human resources and labor-relations within a global context. The school's Master of Human Resources and Labor Relations is recognized as one of the leading programs of its kind, with approximately 2,800 alumni who hold top executive positions in human resources and labor relations in both the private and public sectors.

Research and Program Services

RESEARCH PROGRAM. The general focus of faculty research and scholarship covers a wide breadth of human resource and labor and employment relations issues. Spanning local to global inquiries, analyses range from micro-level individual and organizational analyses to macro-level organizational and policy analyses. These inquiries and analyses take into account the broader environmental contexts of organizations, multiple stakeholders and actors, and multi-level behaviors and decision-making. As a multidisciplinary field of study, faculty research draws on various theoretical foundations of other disciplines such as economics, psychology, sociology, political science, and law and employs the full range of scientific methodologies, statistical methods, and research designs.

HUMAN RESOURCES EXECUTIVE EDUCATION AND DEVELOPMENT. The school offers non-credit programs focusing on strategy, content expertise, and leadership – with the purpose of effectively aligning human resource policies and practices with business and operational plans to yield competitive advantage. Open enrollment programs provide training and leadership development in human resource management, contemporary collective bargaining and negotiation, and workers compensation. The school also offers customized curriculum tailored to meet the specific needs of organizations, as well as executive coaching designed to meet the personal development interests of individuals.

LABOR EDUCATION AND DEVELOPMENT. The school offers non-credit programming aimed at improving the employment opportunities and work lives of the citizens of Michigan. This programming includes union leader training and development, joint union-management training in high performance work systems, and economic development focusing on local business and community solutions. The school also provides consultation on union and organizational strategies, as well as facilitation for contract negotiations and joint union-management decision-making.

GRADUATE STUDY

HUMAN RESOURCES and LABOR RELATIONS

The Master of Human Resources and Labor Relations is the school's signature graduate degree, offered on a full-time basis in East Lansing, Michigan and on a part-time basis in Troy, Michigan and Dubai, United Arab Emirates. With a diverse and highly qualified student body, the master's program is universally regarded as one of the premier professional programs of its kind in the world. Preparing future leaders for professional careers, students receive a comprehensive, contemporary foundation in human re-

sources and labor relations, gain a broad global perspective, and learn to apply best practices, lead organizational change, and act strategically as business leaders.

The curriculum offers a wide range of courses across required core knowledge areas including: human resource management, labor-management relations, organizational change, business acumen, international human resources and employment relations, workplace law, economics of human resources, and quantitative methods for human resource analyses.

In addition to classroom instruction, nearly all students participate in paid summer internships with companies between their first and second year in the program. Through these summer internships, students receive invaluable mentoring and on-the-job learning, working as members of specific project teams and undertaking individual assignments.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

To be considered for admission to the master's degree program, a student must have a bachelor's degree and a cumulative grade-point average of 3.00 or better in the junior and senior years. Applicants must have satisfactory scores on the Graduate Record Examination (GRE) General Test or on the Graduate Management Admission Test (GMAT). Applicants having several years of relevant work experience with successful professional records may be able to substitute that work experience for GRE or GMAT test scores. Applicants should have completed one course in microeconomic principles, one course in statistics, and one introductory course in behavioral science, with acceptable grades specified by the School of Human Resources and Labor Relations. In addition, applicants will be judged on the quality of their statement of objectives and three letters of reference.

Requirements for the Master of Human Resources and Labor Relations Degree in Human Resources and Labor Relations

The program is available under both Plan A (with thesis) and Plan B (without thesis). The student must complete 36 credits with a grade-point average of at least 3.00.

| | CREDITS |
|---|---------|
| 1. All of the following courses: | 15 |
| HRLR 809 Economics of Human Resources | 3 |
| HRLR 813 Organizational Behavior for Human Resources and Labor Relations | 3 |
| HRLR 820 Human Resource Practices and Decisions | 3 |
| HRLR 832 Quantitative Methods for Human Resources Analyses | 3 |
| HRLR 858 Collective Bargaining | 3 |
| 2. One course from each of the following core knowledge areas (12 credits): | |
| Human Resource Management | |
| HRLR 821 Talent Acquisition and Deployment | 3 |
| HRLR 822 Training and Development | 3 |
| HRLR 825 Compensation | 3 |
| HRLR 828 Human Resource Information Systems | 3 |
| HRLR 829 Foundations of Employee Benefits | 3 |
| International Human Resources and Labor Relations | |
| HRLR 854 Comparative Employment Relations | 3 |
| HRLR 855 International Human Resources | 3 |
| HRLR 859 Study Abroad in Human Resources and Labor Relations | 3 |
| Workplace Law | |
| HRLR 863 Labor Law | 3 |
| HRLR 868 Employment Law | 3 |
| Strategy and Firm Performance | |
| HRLR 871 Human Resources and Firm Performance | 3 |
| HRLR 872 Human Resource Strategy | 3 |
| 3. Nine additional credits in courses approved by the student's academic advisor or guidance committee. Students pursuing Plan A (with thesis) must complete 4 credits of HRLR 899 Master's Thesis Research as part of this elective requirement. | |

HUMAN RESOURCES and LABOR RELATIONS—LAW

Human Resources and Labor Relations students who are admitted to the dual MHRL/JD program with the Michigan State University - College of Law may transfer a maximum of 9 credits from the Michigan State University/College of Law program to the MHRL program. These credits may be used only to satisfy elective credits. Only Plan B (without thesis) is available for election under the dual degree program.

Doctor of Philosophy

The School of Labor and Industrial Relations offers a Doctor of Philosophy degree in Industrial Relations and Human Resources to prepare students for a career as a scholar in employment relations or human resources in a tenure-track position at a research-oriented university. Students study employment phenomena from the perspective of multiple actors including employees, employers, unions, the government, and society at-large. The program integrates tools from diverse disciplines including economics, management, and psychology.

Admission

Admission to this doctoral program is based on an evaluation of the student's academic record, the Graduate Record Examination (GRE) general test or the Graduate Management Admission Test (GMAT) scores, letters of recommendation, written statements, and an application form. For further details, visit our Web site at www.lir.msu.edu.

Requirements for the Doctor of Philosophy Degree in Industrial Relations and Human Resources

Students will complete course work and seminars within the School of Labor and Industrial Relations, within other departments in the university, and specifically in the areas of statistics and research methods. Students will be required to pass comprehensive examinations based on their course work, to demonstrate research competency by writing an empirical research paper, and to defend their dissertation successfully.

SCHOOL of PLANNING, DESIGN and CONSTRUCTION

Scott G. Witter, Director

The School of Planning, Design and Construction is administered jointly by the College of Agriculture and Natural Resources and the College of Social Science.

UNDERGRADUATE PROGRAMS

The school offers a Bachelor of Science degree program with a major in urban and regional planning through the College of Social Science. That program is described below.

The school also offers Bachelor of Science degree programs with majors in construction management, and interior design as well as a Bachelor of Landscape Architecture degree program through the College of Agriculture and Natural Resources. The

school also offers a dual degree in the Bachelor of Landscape Architecture and Master of Arts in Environmental Design. For information about those programs, refer to the statement on the *School of Planning, Design and Construction* in the *College of Agriculture and Natural Resources* section of this catalog.

URBAN AND REGIONAL PLANNING

The undergraduate program in urban and regional planning provides students with a basic understanding of the history of urbanism, the theory and principles of urban design, and the relevant legal and administrative procedures. Students study the techniques of survey and research used in the analysis of the structure and growth of urban areas. They are involved in written and graphic communication. They recognize the contributions made by other disciplines concerned with the study of urban development. By developing systematic programs for the orderly and unified arrangement of urban physical structures, students focus their accumulated knowledge and skills on specific urban problems. The undergraduate program, which has been accredited by the Planning Accreditation Board, is designed to prepare majors to assume the responsibilities encountered in entry level professional planning practice.

Requirements for the Bachelor of Science Degree in Urban and Regional Planning

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Urban and Regional Planning.
 - The completion of Statistics and Probability 201 referenced in item 3.b. below may also be used to satisfy the University mathematics requirement. However, a course that is used to satisfy the University mathematics requirement may *not* be counted toward the College of Social Science NATURAL SCIENCE REQUIREMENT (referenced in section II. B. under the heading *Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees* in the college statement).
 - The University's Tier II writing requirement for the Urban and Regional Planning major is met by completing Urban Planning 365. That course is referenced in item 3. a. below.
2. The College of Social Science requirements for the Bachelor of Science degree.
 - Courses taken to fulfill requirements 3.b., 3.c., and 3.d. in the major may, where applicable, be used to satisfy college requirements.
 - The College's ARTS AND LETTERS REQUIREMENT for the Urban and Regional Planning major is met by completing 6 credits in courses chosen from the following disciplines: English, Linguistics, Music, Philosophy, Religious Studies, Studio Art, Theatre, and foreign language.
 - The College's NATURAL SCIENCE REQUIREMENT for the Urban and Regional Planning major is met by completing 15 credits in courses in the natural sciences, chosen from two of the following disciplines: Biochemistry and Molecular Biology, Biological Science, Computer Science and Engineering, Mathematics, and Physics and Astronomy. Students should see their academic advisor to obtain a list of approved courses which will meet this requirement.
3. The following requirements for the major:

| | CREDITS |
|---|---------|
| a. All of the following Urban Planning Core Courses: | 26 |
| UP 201 Introduction to Urban and Regional Planning | 4 |
| UP 314 Methods for Investigation of Urban Systems | 4 |
| UP 353 Land Use Planning | 4 |
| UP 365 Planning Law and Ethics (W) | 4 |
| UP 424 Geographic Information Systems and Design Tools for Planning | 3 |
| UP 454 Local Economic Planning | 3 |
| UP 494 Planning Practicum | 4 |
| b. Other Required Courses: | 16 |
| CSE 101 Computing Concepts and Competencies (Track C or D) | 3 |
| EC 201 Introduction to Microeconomics | 3 |
| MTH 103 College Algebra | 3 |
| PLS 100 Introduction to American National Government | 3 |
| STT 201 Statistical Methods | 4 |
| c. Cognate Areas: At least two courses of no less than 3 credits in each of the following three subject areas. A list of approved courses must be obtained from the Program advisor | 18 |
| Environment | |
| Urban Society | |
| Government | |
| d. Advanced Guided Elective. One course of at least 3 credits, chosen from a list provided by the academic advisor. | |

GRADUATE STUDY

The School of Planning, Design and Construction is administered jointly by the College of Agriculture and Natural Resources and the College of Social Science. The school offers a Master of Urban and Regional Planning degree program with a major in urban and regional planning, and a Master of International Planning Studies degree program with a major in international planning studies through the College of Social Science. Those programs are described below. The school also offers a Master of Arts degree program in Environmental Design; a Master of Science degree program in Construction Management, and a Doctor of Philosophy degree program in Planning, Design and Construction through the College of Agriculture and Natural Resources. For information about those programs, refer to the statement on the School of Planning, Design and Construction in the *College of Agriculture and Natural Resources* section of this catalog.

INTERNATIONAL PLANNING STUDIES

The Master of International Planning Studies (MIPS) is a one-year (2 semesters and one summer) program that is designed for practitioners currently employed in urban and regional planning or related fields who desire additional knowledge in the field of community and regional development. Prospective students must have direct experience in the international aspects of planning or related fields that directly relate to their proposed area of concentration.

Admission

Applications for admission must hold an advanced degree or have significant experience in international planning, and seek knowledge about urban and regional conditions and related areas such as real estate, economic development, environmental protection and international planning. Applicants must demonstrate that the degree will strengthen their career credentials and make them more competitive in the applicant's chosen international planning profession. Prospective students are assumed to have a basic knowledge of planning concepts.

Requirements for the Master of International Planning Studies Degree

The program is available under Plan B (without thesis) only. The student must complete at least 30 credits as specified below.

| | CREDITS |
|--|---------|
| The student must: | |
| 1. Complete the following core courses (12 credits): | |
| UP 801 Concepts and Issues in Planning and Development . . . | 4 |
| UP 844 Decision Theory for Urban Planning and Development . | 4 |
| UP 894 Planning Practicum | 4 |
| 2. Complete one of the following courses (3 credits): | |
| UP 890 Independent Study | 3 |
| UP 893 Internship in Urban Planning | 3 |
| 3. Complete one additional 3 credit course at the 400-level or 800-level as approved by the student's academic advisor. | |
| 4. Complete a minimum of 12 credits in a concentration related to international planning studies chosen from the following fields: economic development, environmental protection, international planning, or real estate. The concentration course work must be approved by the student's academic advisor. | |
| 5. Successfully complete a final examination. | |

URBAN AND REGIONAL PLANNING

Master in Urban and Regional Planning

The graduate program leading to a degree of Master in Urban and Regional Planning (MURP) is committed to preparing students for professional planning careers in both the private and public sectors and seeks to develop both general planning knowledge and specific skills for practice. Current faculty research and teaching expertise covers a wide range of planning subjects including urban design; land use planning; land use law; housing; community, economic and real estate development; research methods; international development; transportation; environmental planning; and public policy. The MURP degree is a nationally accredited degree and admits students with a variety of academic backgrounds. Ideal students are those with strong intellectual ability; good written and verbal communication skills; basic statistical methods and have demonstrated a proven potential for leadership in the field of urban and regional planning.

A student entering the graduate program in urban and regional planning is expected to concentrate, under faculty guidance, on studies that provide an optimum learning experience in applying the various principles, theories, techniques, and design skills of planning to specific field problems. Unlike undergraduates, whose studies are divided between liberal education and technical studies, the graduate student is immersed in significant planning studies and research. The graduate program is designed to provide professional competence. After graduation, the student should be capable of assuming responsibilities on an intermediate level of a professional planning operation. The master's program in Urban and Regional Planning has been accredited by the American Planning Association.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

To be admitted to the master's degree program, the applicant must have a bachelor's degree from a recognized institution; a cumulative undergraduate grade-point average of 3.0; a combined Graduate Record Examination (GRE) score of 1000 in verbal and quantitative, and an analytical writing score of 3.5. Students who are required to take the Test of English as a Foreign Language (TOEFL) must submit scores. A total score of 580 with no subscore below 52 (paper version) or 237 with no subscore below 19 (computer-based version) and a 92 with no subscore below 19 for reading, listening, and speaking or 22 for writing (internet-based version) is required.

Requirements for the Master in Urban and Regional Planning Degree with a Major in Urban and Regional Planning

The program is available under both Plan A (with thesis) and Plan B (without thesis). The student must complete at least 39 credits, at least 24 of which must be in courses numbered in the 800 and 900 series, and meet the requirements specified below:

| | CREDITS |
|---|---------|
| Requirements for Both Plan A and Plan B: | 27 |
| 1. <i>Urban planning core courses</i> (27 credits): | |
| UP 424 Geographic Information Systems and Design Tools for Planning | 3 |
| UP 801 Concepts and Issues in Planning and Development | 3 |

| | | |
|--------|--|---|
| UP 814 | Applied Research Methods for Planning and Development | 3 |
| UP 823 | Urban Land Management and the Environment | 3 |
| UP 844 | Planning Theory and Ethics | 3 |
| UP 854 | Economics of Planning and Development | 3 |
| UP 865 | Planning and Development Law | 3 |
| UP 892 | Research Seminar in Planning and Construction Management | 2 |
| UP 894 | Planning Practicum | 4 |
| 2. | Complete 6 credits of approved elective courses chosen from a list of electives in consultation with the student's academic advisor. At least one 3-credit Urban Planning Special Topics course must be taken. | |
| | Additional Requirements for Plan A: | 6 |
| 1. | The following course: | |
| | UP 899 Master's Thesis Research | 6 |
| | Additional Requirements for Plan B: | 6 |
| 1. | Six additional credits in one or more courses approved by the student's academic advisor. | |
| 2. | Pass a final comprehensive examination. | |

Academic Standards

Academic standards for graduation require that each student maintain an average of 3.00, or better, in all course work, including study undertaken in collateral courses; however, the accumulation of grades below 3.0 in more than two courses of 3 or more credits each removes the student from the degree program.

Transfer Credits

A maximum of 9 transfer credits at the 400 or 800-level may be accepted toward the Master in Urban and Regional Planning degree.

For Law College students who have been admitted to the dual J.D.-Master in Urban and Regional Planning program with Michigan State University - College of Law, a maximum of 9 credits from Michigan State University - College of Law may be transferred to the Master in Urban and Regional Planning program with a major in urban and regional planning. A grade of 2.0 in a Law course will transfer to MSU as a passing grade. Students will be assessed at the Law College tuition rate with a graduate assistantship covering only the MSU cost of in-state tuition. Transfer courses must be approved by the Director of the Urban and Regional Planning program. Credits taken prior to admission at Michigan State University – College of Law will not be accepted for transfer.

Time Limit

The time limit for completing the degree is six years from the first semester of enrollment in the program.

DEPARTMENT of POLITICAL SCIENCE

Richard C. Hula, Chairperson

UNDERGRADUATE PROGRAMS

The undergraduate majors in political science are designed to provide students with a broad education in political and other social sciences with the analytical skills essential in many professions. The wide range of career opportunities open to political science graduates includes administrative positions in local, state, and federal government, or in public and private agencies; work with citizen's action groups and voluntary organizations; employment in the foreign service and various governmental and pri-

vate international agencies; and careers as teachers and policy analysts. Because additional training beyond the bachelor's degree is necessary for some careers, many students in political science plan to attend law or graduate school. Qualified undergraduate political science majors who want to pursue professional careers in policy analysis, program management or policy advocacy, can complete both their bachelor's and master's degrees in a total of five years through the Linked Bachelor's-Master's Degree in Public Policy.

Students in the Department of Political Science may select one of the following majors:

1. Political Science (General)
2. Political Science—Prelaw
3. Public Policy
4. World Politics

POLITICAL SCIENCE (GENERAL)

Requirements for the Bachelor of Arts Degree in Political Science (General)

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Political Science (General).
The University's Tier II writing requirement for the Political Science (General) major is met by completing one of the following courses: Political Science 421 or 422. Those courses are referenced in item 3. a. (4) below.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.
The completion of Economics 201 and 202 referenced in item 3.b.(1) below partially satisfies the College of Social Science SOCIAL SCIENCE REQUIREMENT (referenced in section I. A. under the heading *Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees* in the college statement).
The completion of the History or Philosophy course referenced in item 3. b. (2) below partially satisfies the College of Social Science NATURAL SCIENCE, AND ARTS AND LETTERS, REQUIREMENT (referenced in section I.B. under the heading *Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees* in the college statement).
3. The following requirements for the major:

| | |
|-----|--|
| | CREDITS |
| a. | The following courses in the Department of Political Science: 33 |
| (1) | Two of the following courses (6 credits): |
| | PLS 100 Introduction to American National Government 3 |
| | PLS 140 Government and Politics of the World 3 |
| | PLS 160 Introduction to International Relations 3 |
| | PLS 170 Introduction to Political Philosophy 3 |
| (2) | Both of the following courses (8 credits): |
| | PLS 200 Introduction to Political Science 4 |
| | PLS 201 Introduction to Methods of Political Analysis 4 |
| (3) | At least five additional political science courses at the 300–400 level to total at least 15 credits. Only <i>one</i> of the following courses may be counted toward this requirement: |
| | PLS 494 Field Experience in Political Science or |
| | PLS 495 Independent Study |
| (4) | One of the following courses (4 credits): |
| | PLS 421 Moot Court and Legal Research in Federal Law (W) 4 |
| | PLS 422 Seminar in Political Science (W) 4 |
| | NOTE: Of the courses taken to satisfy the requirements for 3.a. (1) and 3. a. (3), at least two courses must be in American politics (PLS 100 and PLS 301-339), at least two courses must be in comparative/international politics (PLS 140, PLS 160, PLS 342-359, and PLS 361-369), and at least two courses must be in political philosophy (PLS 170 and PLS 370-379). Students should consult with their academic advisor with questions concerning this requirement. |
| b. | The following courses outside the Department of Political Science: 9 |
| (1) | Both of the following courses (6 credits): |
| | EC 201 Introduction to Microeconomics 3 |
| | EC 202 Introduction to Macroeconomics 3 |
| (2) | One History or Philosophy course at the 300–400 level (3 credits). |

POLITICAL SCIENCE—PRELAW

The prelaw major is designed to introduce students to the study of law and the judicial process and at the same time to provide an orientation to the law which is more general than that of most law schools. Students who elect this program may plan careers in (1) government and large businesses, (2) law firms, (3) individual or partnership practice of civil law, (4) trial practice, including criminal law, and (5) teaching. Since very few law schools provide information about the political, economic, societal and psychological environment in which the law exists, this background must generally be acquired prior to or after law school. The prelaw major is intended to give students the analytical skills and substantive background in those courses which will most likely contribute to their development.

Requirements for the Bachelor of Arts Degree in Political Science—Prelaw

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Political Science—Prelaw.
 The University's Tier II writing requirement for the Political Science—Prelaw major is met by completing one of the following courses: Political Science 421 or 422. Those courses are referenced in item 3.a.(5) below.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.
3. The following requirements for the major:

| | CREDITS |
|--|----------------|
| a. The following courses in the Department of Political Science: | 33 |
| (1) All of the following courses (11 credits): | |
| PLS 100 Introduction to American National Government | 3 |
| PLS 200 Introduction to Political Science | 4 |
| PLS 201 Introduction to Methods of Political Analysis | 4 |
| (2) One of the following courses (3 credits): | |
| PLS 140 Government and Politics of the World | 3 |
| PLS 160 Introduction to International Relations | 3 |
| PLS 170 Introduction to Political Philosophy | 3 |
| (3) One of the following courses (3 credits): | |
| PLS 320 The American Judicial Process | 3 |
| PLS 321 American Constitutional Law | 3 |
| (4) At least four additional political science courses at the 300–400 level to total at least 12 credits. Only one of the following courses may be counted toward this requirement: | |
| PLS 494 Field Experience in Political Science | |
| or | |
| PLS 495 Independent Study | |
| (5) One of the following courses (4 credits): | |
| PLS 421 Moot Court and Legal Research in Federal Law (W) | 4 |
| PLS 422 Seminar in Political Science (W) | 4 |
| NOTE: Of the courses taken to satisfy the requirements for 3. a. (2) and 3. a. (4), at least two courses must be in comparative/international politics (PLS 140, PLS 160, PLS 342-359, and PLS 361-369), and at least two courses must be in political philosophy (PLS 170 and PLS 370-379). One of the comparative/international politics courses may be a course from an approved list of courses, offered outside the Department of Political Science. The approved list of comparative/international politics courses is available in the Department of Political Science. Students should consult with their academic advisor with questions concerning this requirement. | |
| b. The following courses outside the Department of Political Science: | 12 to 14 |
| (1) Both of the following courses (6 credits): | |
| EC 201 Introduction to Microeconomics | 3 |
| EC 202 Introduction to Macroeconomics | 3 |
| (2) Two approved history or philosophy courses at the 300-400 level from a list available in the Department of Political Science (6 to 8 credits). | |

PUBLIC POLICY

The Public Policy major is designed to prepare students for careers in public service, advocacy, and analysis. It aims at a broad understanding of the goals and problems of public policy, the political process that leads to policy development, and the implementation and evaluation of public policy. The major is valuable preparation for those who intend to engage in research for public agencies, non-profits, or voluntary associations interested in the problems of government. A master's degree program concentrating in public policy is also available for advanced work in preparation for an executive career in these fields.

Requirements for the Bachelor of Arts Degree in Public Policy

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Public Policy.
 The University's Tier II writing requirement for the Public Policy major is met by completing Political Science 422. That course is referenced in item 3. below.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.
 The completion of Economics 201 referenced in item 3. b. (1) below and one of Economics courses referenced in item 3. b. (2) partially satisfies the College of Social Science SOCIAL SCIENCE REQUIREMENT (referenced in section I. A. under the heading Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees in the College statement).
 The completion of a public policy course outside of the Department of Political Science referenced in item 3. b. (3) may partially satisfy the College of Social Science NATURAL SCIENCE, and ARTS AND LETTERS REQUIREMENT (referenced in section I. A. under the heading Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees in the College statement).
3. The following requirements for the major:

| | CREDITS |
|---|----------------|
| a. All of the following courses in the Department of Political Science: | 33 |
| (1) All of the following courses (14 credits): | |
| PLS 100 Introduction to American National Government | 3 |
| PLS 200 Introduction to Political Science | 4 |
| PLS 201 Introduction to Methods of Political Analysis | 4 |
| PLS 494 Field Experience in Political Science | 3 |
| (2) One of the following courses (3 credits): | |
| PLS 310 Public Bureaucracy in the Policy Process | 3 |
| PLS 313 Public Policy Analysis | 3 |
| (3) Three of the following courses (9 credits): | |
| PLS 301 American State Government | 3 |
| PLS 302 Urban Politics | 3 |
| PLS 310 Public Bureaucracy in the Policy Process | 3 |
| PLS 313 Public Policy Analysis | 3 |
| PLS 324 American Legislative Process | 3 |
| PLS 325 American Executive Process | 3 |
| PLS 331 Political Parties and Interest Groups | 3 |
| PLS 342 Comparative Political Economy | 3 |
| PLS 362 Foreign Policy | 3 |
| PLS 363 International Political Conflict | 3 |
| PLS 364 International Organization and Cooperation | 3 |
| (4) One additional political science course at the 300-400 level approved by the student's academic advisor (3 credits). | |
| (5) The following course (4 credits): | |
| PLS 422 Seminar in Political Science (W) | 4 |
| b. The following courses outside the Department of Political Science: | 9 to 11 |
| (1) The following course (3 credits): | |
| EC 201 Introduction to Microeconomics | 3 |
| (2) One 3 or 4 credit economics course at the 300-400 level from a list available in the Department of Political Science. | |
| (3) One 3 or 4 credit public policy course at the 300-400 level from a list available in the Department of Political Science. | |

WORLD POLITICS

The Bachelor of Arts degree in World Politics is designed to educate students about governments and political systems of many different nations and the interactions among them. It will prepare students for careers in international affairs in the public, private, and non-profit spheres. The major allows students to study the regions of the world that most interest them but also provides broad coverage of international relations and comparative politics.

Requirements for the Bachelor of Arts Degree in World Politics

1. The University requirements for bachelor's degrees as described in the Undergraduate Education section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in World Politics.
The University's Tier II writing requirement for the World Politics major is met by completing Political Science 422. That course is referenced in item 3. below.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.
The completion of Economics 202 referenced in item 3. b. (1) below and the completion of one history course and one geography course referenced in item 3. b. (2) partially satisfies the College of Social Science SOCIAL SCIENCE REQUIREMENT (referenced in section I. A. under the heading Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees in the College statement).
3. The following requirements for the major.

CREDITS

- a. All of the following courses in the Department of Political Science (33 credits):
 - (1) All of the following courses (14 credits):

| | | |
|---------|---|---|
| PLS 140 | Government and Politics of the World | 3 |
| PLS 160 | Introduction to International Relations | 3 |
| PLS 200 | Introduction to Political Science | 4 |
| PLS 201 | Introduction to Methods of Political Analysis | 4 |
 - (2) Five of the following courses (15 credits):

| | | |
|---------|---|---|
| PLS 342 | Comparative Political Economy | 3 |
| PLS 344 | Politics in the Third World | 3 |
| PLS 351 | African Politics | 3 |
| PLS 352 | Latin American Politics | 3 |
| PLS 354 | Politics of Asia | 3 |
| PLS 356 | West European Politics | 3 |
| PLS 357 | Politics of English Speaking Democracies | 3 |
| PLS 358 | Politics of the U.S.S.R. and Its Successor States | 3 |
| PLS 362 | Foreign Policy | 3 |
| PLS 363 | International Political Conflict | 3 |
| PLS 364 | International Organization and Cooperation | 3 |
 - (3) The following course (4 credits):

| | | |
|---------|----------------------------------|---|
| PLS 422 | Seminar in Political Science (W) | 4 |
|---------|----------------------------------|---|
- b. The following courses outside the Department of Political Science (9 credits):
 - (1) The following course (3 credits):

| | | |
|--------|--------------------------------|---|
| EC 202 | Introduction to Macroeconomics | 3 |
|--------|--------------------------------|---|
 - (2) One 3 credit history course at the 300-400 level from a list available in the Department of Political Science.
 - (3) One 3 credit geography course at the 300-400 level from a list available in the Department of Political Science.

TEACHER CERTIFICATION OPTIONS

A political science disciplinary minor is available for teacher certification and is available only to students pursuing a major in Comparative Cultures and Politics, International Relations, Political Theory and Constitutional Democracy, Social Relations and Policy, Interdisciplinary Studies in Social Science, Interdisciplinary Studies in Social Science: Social Science Education, or History with a teacher certification option.

Students who elect the political science disciplinary minor must contact the Department of Political Science.

For additional information, refer to the statement on TEACHER CERTIFICATION in the *Department of Teacher Education* section of this catalog.

LINKED BACHELOR'S-MASTER'S DEGREE IN PUBLIC POLICY

Bachelor of Arts or Bachelor of Science Degree in Economics Master of Public Policy Degree in Public Policy

The department welcomes applications from Michigan State University Economics undergraduate students during the fall semester of their junior year in order to begin the program during the fall semester of their senior year. Admission to the program requires a minimum undergraduate grade-point average of 3.50 and an approved program of study for the Master of Public Policy degree in Public Policy at the time of admission. Admission to the Linked Bachelor's-Master's Program allows the application of up to 9 credits toward the master's program for qualifying 400-level and above course work taken at the undergraduate level at Michigan State University or an external accredited institution. The number of approved credits, not to exceed 9, are applied toward the credit requirement of the master's degree. Credits applied to the Linked Bachelor's-Master's Program are not eligible to be applied to any other graduate degree program.

LINKED BACHELOR'S-MASTER'S DEGREE IN PUBLIC POLICY

Bachelor of Arts Degree in Political Science (General) Master of Public Policy Degree in Public Policy

The department welcomes applications from Michigan State University Political Science (General) undergraduate students during the fall semester of their junior year in order to begin the program during the fall semester of their senior year. Admission to the program requires a minimum undergraduate grade-point average of 3.50 and an approved program of study for the Master of Public Policy degree in Public Policy at the time of admission. Admission to the Linked Bachelor's-Master's Program allows the application of up to 9 credits toward the master's program for qualifying 400-level and above course work taken at the undergraduate level at Michigan State University or an external accredited institution. The number of approved credits, not to exceed 9, are applied toward the credit requirement of the master's degree. Credits applied to the Linked Bachelor's-Master's Program are not eligible to be applied to any other graduate degree program.

LINKED BACHELOR'S-MASTER'S DEGREE IN PUBLIC POLICY

Bachelor of Arts Degree in Political Science-Prelaw Master of Public Policy Degree in Public Policy

The department welcomes applications from Michigan State University Political Science-Prelaw undergraduate students during the fall semester of their junior year in order to begin the program during the fall semester of their senior year. Admission to the program requires a minimum undergraduate grade-point average of 3.50 and an approved program of study for the Master of Public Policy degree in Public Policy at the time of admission. Admission to the Linked Bachelor's-Master's Program allows the application of up to 9 credits toward the master's program for qualifying 400-level and above course work taken at the undergraduate level at Michigan State University or an external accredited institution. The number of approved credits, not to exceed 9, are applied toward the credit requirement of the master's degree. Credits applied to the Linked Bachelor's-Master's Program are not eligible to be applied to any other graduate degree program.

LINKED BACHELOR'S-MASTER'S DEGREE IN PUBLIC POLICY

Bachelor of Arts Degree in Public Policy *Master of Public Policy Degree in Public Policy*

The department welcomes applications from Michigan State University Public Policy undergraduate students during the fall semester of their junior year in order to begin the program during the fall semester of their senior year. Admission to the program requires a minimum undergraduate grade-point average of 3.50 and an approved program of study for the Master of Public Policy degree in Public Policy at the time of admission. Admission to the Linked Bachelor's-Master's Program allows the application of up to 9 credits toward the master's program for qualifying 400-level and above course work taken at the undergraduate level at Michigan State University or an external accredited institution. The number of approved credits, not to exceed 9, are applied toward the credit requirement of the master's degree. Credits applied to the Linked Bachelor's-Master's Program are not eligible to be applied to any other graduate degree program.

GRADUATE STUDY

The Department of Political Science offers a Master of Arts and a Doctor of Philosophy degree program in Political Science and a Master of Public Policy degree program in Public Policy.

The graduate degree programs in the Department of Political Science are designed to help students become thoroughly grounded in the knowledge base and research methods of political science. Training is given in the following major fields of political science: American politics, comparative politics, international politics, public policy, political thought, formal theory, and research methodology.

The Department of Political Science and the Department of Economics jointly offer a Master of Public Policy Degree, as well as Linked Bachelor's-Master's Degree in Public Policy. The Master of Public Policy Degree and the Linked Bachelor's-Master's Degree in Public Policy provide students with the requisite skills to address complex societal problems, reconcile conflicting political and ethical values in policymaking, make informed decisions about program activities, and provide effective leadership in policy development and implementation.

In addition to meeting the requirements of the university and of the College of Social Science, graduate students must meet the requirements specified below.

Admission

A bachelor's degree from an accredited educational institution is required for admission. Applicants should have the equivalent of an undergraduate major in political science, in a related social science, or in mathematics, statistics, or computer science. Some background in social science research methods, statistics, and/or basic mathematical operations is recommended. Normally, a minimum grade-point average of 3.20 in the last two years of undergraduate work is required for admission.

Applicants must take the Graduate Record Examination (GRE) General Test. Official results from this examination should be sent to the Department of Political Science.

Admission to the doctoral program is limited to **fall semester only**. For the Master of Public Policy program, most students are admitted for fall semester; applications for the spring semester will be considered on the basis of available openings. Applications for admission and financial aid should be submitted by March 1. Applications for admission alone will be accepted until approximately May 15.

Academic Standards

Graduate students must maintain a cumulative grade-point average of at least 3.00. Only those courses completed with a grade of 2.5 or higher may be counted toward the requirements for the master's or doctoral degree. A student who received two grades of 2.5 or below, or one grade of 2.0 or below, may be withdrawn from the program. A student who received three grades of 2.5 or below, or two grades of 2.0 or below, will be withdrawn from the program.

POLITICAL SCIENCE

Master of Arts

The Master of Arts program is designed to prepare students for doctoral studies. Those accepted are judged by the committee on admissions as qualified to enter the doctoral program, and it is anticipated they plan to complete this program at Michigan State University.

In addition to meeting the requirements of the university, of the College of Social Science, and of the Department of Political Science, students must meet the requirements specified below.

Requirements for the Master of Arts Degree in Political Science

The program is available only under Plan B (without thesis). The student must meet the requirements specified below:

| | CREDITS |
|--|---------|
| 1. Complete at least 30 credits distributed as follows: | |
| a. At least 24 credits in Political Science courses at the 800–900 level including Political Science 800, 801, and 802 | 24 |
| b. No more than 6 credits in courses at the 400–900 level in related disciplines | 6 |
| 2. Submit two substantial research papers acceptable to the department. These papers normally will be written in graduate seminars in Political Science and will be evaluated by the instructor(s) of the courses. | |
| With the written approval of the department, a student may complete fewer than 24 credits in Political Science courses and more than 6 credits in courses in related disciplines. | |

Academic Standards

The student must maintain an overall grade-point average of 3.00 or higher.

Transfer Credits

For Law College students who have been admitted to the dual J.D.-M.A. program with Michigan State University - College of Law, a maximum of 12 credits from Michigan State University - College of Law may be transferred to the M.A. program with a major in political science. A grade of 2.0 in a Law course will transfer to MSU as a passing grade. Students will be assessed at the Law College tuition rate with a graduate assistantship covering only the MSU cost of in-state tuition.

PUBLIC POLICY

The Master of Public Policy degree in Public Policy is designed to provide students with theoretical knowledge and specific skills essential for professional achievement in the public and non-profit sectors. The objective of this program is to develop an analytical approach to the public decision-making process through the systematic study of policy and policy analysis. Current professionals in the field of public policy or others who are interested in a career in public policy in the non-profit sector or in government will find this program appealing.

In addition to meeting the requirements of the university, the College of Social Science, and the Department of Political Science, students must meet the requirements specified below.

Requirements for the Master of Public Policy Degree in Public Policy

The program is available only under Plan B (without thesis). The student must complete 39 credits in courses approved by the director of the Master in Public Policy program and distributed as follows:

| | CREDITS |
|---|---------|
| 1. Complete all of the following courses: | |
| PPL 801 Quantitative Methods in Public Policy | 3 |
| PPL 802 Quantitative Methods in Public Policy II | 3 |
| PPL 805 Microeconomic Theory | 3 |
| PPL 806 Policy Evaluation | 3 |
| PPL 807 Public Policy | 3 |
| PPL 808 Policy Development and Administration | 3 |
| PPL 809 Cost-Benefit Analysis in Public Policy | 3 |
| PPL 813 Public Finance | 3 |
| PPL 890 Policy Workshop | 3 |
| PPL 891 Issues in Public Policy | 6 |
| 2. Complete an additional 6 credits of course work at the 800-level or above as approved by the director of the program. | |
| 3. Students with no professional experience will be required to complete 3 credits of Public Policy 894 Field Experience Practicum. | |
| 4. Successful completion of a final examination or evaluation. | |

Doctor of Philosophy

The doctoral degree is generally undertaken by students wishing to teach political science and government at the college level and by those seeking professional careers in political and social research. Special attention is given at the doctoral level to intensive training in political research.

In addition to meeting the requirements of the university, of the College of Social Science, and of the Department of Political Science, students must meet the requirements specified below.

Requirements for the Doctor of Philosophy Degree in Political Science

| | CREDITS |
|---|---------|
| The doctoral student must: | |
| 1. Earn at least 39 credits in political science courses including: | |
| a. All of the following courses (15 credits): | |
| PLS 800 Proseminar: Political Theory and Research Methods | 3 |
| PLS 801 Quantitative Techniques in Public Policy and Political Science I | 3 |
| PLS 802 Quantitative Techniques in Public Policy and Political Science II | 3 |
| PLS 804 Analytical Tools for Public Policy | 3 |
| PLS 809 Proseminar in Formal Theory | 3 |
| b. Four courses in a major field, approved by the student's guidance committee, selected from one of the following political science fields: American politics, comparative politics, international relations or political thought. | |
| c. Three courses in a minor field, approved by the student's guidance committee, selected from one of the following political science fields: American politics, comparative politics, international relations, political thought, public policy, research methodology, or formal theory. | |
| 2. Pass a comprehensive examination in both the major and minor field. | |
| 3. Successfully defend the dissertation. | |
| 4. Present the results of the dissertation research at a department colloquium. | |

Academic Standards

After the first year of graduate study at Michigan State University, the department evaluates the student's academic record. To be eligible to continue in the Ph.D. program in political science, the student must have:

1. an overall grade–point average of 3.00 or higher.
2. a grade of 2.5 or higher in each Political Science course.
3. no more than two grades of 2.5 or below in Political Science courses.

4. a record of performance in courses that, in the judgment of the faculty, indicates that the student should be capable of completing the Ph.D. degree in Political Science at Michigan State University.

**DEPARTMENT of
PSYCHOLOGY**

Juli Wade, Chairperson

As a science, psychology is concerned with theories, principles, facts and methods as they relate to understanding, predicting and influencing human behavior: how people perceive; how people learn and forget; how people think, fear, hate, and love; how people develop their individualities or personalities; and how people interpret and respond to social conditions. Psychology is both a biological and social science; it relates behavior to physiological and environmental conditions, including social factors.

As a profession, psychology involves the use of the theories, principles, facts and methods of its science to assist individuals and groups in arriving at better solutions to psychological problems and concerns.

Courses in psychology provide cultural background, supplement the training of students in many other fields concerned with people, and sometimes become the area of major study for those who plan occupations emphasizing human relations.

The undergraduate program emphasizes the scientific method and theories of behavior. The student is advised to obtain preparation in supporting subjects such as mathematics, philosophy of science, other biological and social sciences, foreign language, and literature. The student who plans a career in psychology, as such, will find graduate education a necessity.

Graduate program descriptions are available from the departmental Web site at: www.psychology.msu.edu.

UNDERGRADUATE PROGRAMS

Requirements for the Bachelor of Arts Degree in Psychology

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Psychology.
The University's Tier II writing requirement for the Psychology major is met by completing one of the following courses: Psychology 401, 402, 405, 409, 410, 411, 413, 424, 440, 441, 455, 475 or 493. Those courses are referenced in item 3. e. below.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.

| | CREDITS |
|---|----------|
| 3. The following required major courses: | 31 or 32 |
| a. All of the following courses: | |
| PSY 101 Introductory Psychology | 4 |
| PSY 295 Data Analysis in Psychological Research | 3 |
| PSY 395 Research Design and Measurement in Psychological Research | 3 |
| b. One of the following courses: | |
| PSY 200 Cognitive Psychology | 3 |
| PSY 209 Brain and Behavior | 3 |
| c. One of the following courses: | |
| PSY 235 Social Psychology | 3 |
| PSY 236 Personality | 3 |
| PSY 244 Developmental Psychology: Infancy Through Childhood | 3 |
| d. One of the following courses: | |
| PSY 255 Industrial and Organizational Psychology | 3 |
| PSY 270 Community Psychology | 3 |
| PSY 280 Abnormal Psychology | 3 |
| e. One of the following courses: | |
| PSY 401 Expertise and Skill (W) | 3 |
| PSY 402 Sensation and Perception (W) | 3 |
| PSY 405 History of Modern Psychology (W) | 3 |

SOCIAL SCIENCE
Department of Psychology

| | | |
|---------|---|---|
| PSY 409 | Psychobiology of Behavioral Development (W) ... | 3 |
| PSY 410 | Neurobiology of Learning and Memory (W) | 3 |
| PSY 411 | Hormones and Behavior (W)..... | 3 |
| PSY 413 | Laboratory in Behavioral Neuroscience (W) | 4 |
| PSY 424 | Child and Family Psychopathology (W) | 3 |
| PSY 440 | Attitudes and Social Cognition (W) | 3 |
| PSY 441 | Interpersonal Behavior and Groups (W) | 3 |
| PSY 455 | Organizational Research Techniques (W) | 3 |
| PSY 475 | Personality Theories (W)..... | 3 |
| PSY 493 | Issues in Psychology (W) | 3 |
| f. | Electives in Psychology..... | 9 |

Requirements for the Bachelor of Science Degree in Psychology

- The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Psychology.
 Students who are enrolled in the Psychology major leading to the Bachelor of Science degree in the Department of Psychology may complete an alternative track to Integrative Studies in Biological and Physical Sciences that totals 8 credits and consists of the following courses: (a) one course in Biological Science; (b) one course in Chemistry or one course in Physics (numbered 181B or higher); and (c) laboratory experience in biological or physical science totaling 2 credits. Courses taken for the alternative track may not be counted toward the College of Social Science NATURAL SCIENCE REQUIREMENT.
 The completion of Mathematics 124 or 132. It may satisfy the University mathematics requirement or the College of Social Science NATURAL SCIENCE REQUIREMENT, but not both.
 The University's Tier II writing requirement for the Psychology major is met by completing one of the following courses: Psychology 401, 402, 405, 409, 410, 411, 413, 424, 440, 441, 455, 475, or 493. Those courses are referenced in item 3. e. below.
- The requirements of the College of Social Science for the Bachelor of Science degree.
 The completion of the science and mathematics courses referenced in item 4. below may also be used to satisfy the College of Social Science NATURAL SCIENCE REQUIREMENT (referenced in section II. C. under the heading *Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees* in the college statement.)

| | | | |
|----|--|---------|----------|
| 3. | The following requirements for the major: | CREDITS | 31 or 32 |
| a. | All of the following courses: | | |
| | PSY 101 Introductory Psychology | 4 | |
| | PSY 295 Data Analysis in Psychological Research | 3 | |
| | PSY 395 Research Design and Measurement in Psychological Research | 3 | |
| b. | One of the following courses: | | |
| | PSY 200 Cognitive Psychology | 3 | |
| | PSY 209 Brain and Behavior | 3 | |
| c. | One of the following courses: | | |
| | PSY 235 Social Psychology | 3 | |
| | PSY 236 Personality | 3 | |
| | PSY 244 Developmental Psychology: Infancy Through Childhood | 3 | |
| d. | One of the following courses: | | |
| | PSY 255 Industrial and Organizational Psychology | 3 | |
| | PSY 270 Community Psychology | 3 | |
| | PSY 280 Abnormal Psychology | 3 | |
| e. | One of the following courses: | | |
| | PSY 401 Expertise and Skill (W) | 3 | |
| | PSY 402 Sensation and Perception (W) | 3 | |
| | PSY 405 History of Modern Psychology (W) | 3 | |
| | PSY 409 Psychobiology of Behavioral Development (W) | 3 | |
| | PSY 410 Neurobiology of Learning and Memory (W) | 3 | |
| | PSY 411 Hormones and Behavior (W)..... | 3 | |
| | PSY 413 Laboratory in Behavioral Neuroscience (W) | 4 | |
| | PSY 424 Child and Family Psychopathology (W) | 3 | |
| | PSY 440 Attitudes and Social Cognition (W) | 3 | |
| | PSY 441 Interpersonal Behavior and Groups (W) | 3 | |
| | PSY 455 Organizational Research Techniques (W) | 3 | |
| | PSY 475 Personality Theories (W)..... | 3 | |
| | PSY 493 Issues in Psychology (W) | 3 | |
| f. | Electives in Psychology..... | | 9 |
| 4. | Other Required Courses..... | | 15 |
| | Fifteen additional credits in science and mathematics from the College of Natural Science beyond the courses used to satisfy the University mathematics and alternative track requirements, and including at least one course selected from the following areas: | | |
| | Animal Behavior | | |
| | ZOL 313 Animal Behavior | 3 | |
| | ZOL 355 Ecology | 3 | |
| | ZOL 415 Ecological Aspects of Animal Behavior (W) | 3 | |
| | Genetics | | |
| | ZOL 141 Introductory Human Genetics | 3 | |
| | ZOL 341 Fundamental Genetics | 4 | |
| | ZOL 445 Evolution (W)..... | 3 | |
| | Neuroscience | | |
| | ZOL 402 Neurobiology | 3 | |
| | ZOL 430 Neuroendocrine Aspects of Behavior | 3 | |
| | Physiology | | |
| | PSL 250 Introductory Physiology | 4 | |
| | PSL 431 Human Physiology I | 3 | |

Honors Opportunities

Several courses are especially suitable for students pursuing honors programs in psychology. Periodically an honors section of a regularly scheduled course may be offered. Qualified students may also seek to take any course in the department with an **H-option** by making advance arrangement with the instructor.

TEACHER CERTIFICATION OPTIONS

A psychology disciplinary minor is available for teacher certification.

Students who elect the psychology disciplinary minor must contact the Department of Psychology.

For additional information, refer to the statement on *TEACHER CERTIFICATION* in the *Department of Teacher Education* section of this catalog.

GRADUATE STUDY

The primary objective of graduate education in the Department of Psychology is to develop psychologists who are creative scholars. At the same time, students must develop the basic skills of their particular specialty and be well prepared for job entry duties and responsibilities through carefully supervised experience in research, teaching, and consulting. Relevant learning experiences are arranged in agencies such as industries, clinics, hospitals, schools, and government offices as needed by the individual student.

Our six graduate programs include: behavioral neuroscience, cognition and cognitive neuroscience, clinical, ecological /community, organizational, and social/personality psychology. Psychology graduate students may also participate in advanced graduate training through a concentration in Quantitative Methodology and Evaluation Science (QMES).

Students who are enrolled in master's or doctoral degree programs in the Department of Psychology may elect an Interdepartmental Specialization in Cognitive Science. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Cognitive Science*. For additional information, contact the Department of Psychology.

Students who are enrolled in Master of Arts and Doctor of Philosophy degree programs in the Department of Psychology may elect specializations in Infancy and Early Childhood. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Infancy and Early Childhood*.

PSYCHOLOGY

Master of Arts and Doctor of Philosophy

Students are accepted for graduate study in psychology only if judged by a departmental committee to be qualified to complete a doctoral degree, and programs of study are planned with this goal in mind; the master's sequence is generally developed as an integral part of the doctoral program with special attention given to the plans and needs of each student. Additional details are given under the doctoral program as outlined below. There is no terminal master's program.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission

Factors given major consideration for admission to the graduate program at the first-year level include (1) an approved bachelor's degree from a recognized college or university, (2) a junior-senior undergraduate grade-point average of 3.20 or better in academic studies, (3) undergraduate courses in experimental psychology and statistics, (4) satisfactory scores on the Graduate Record Examination General Test and Subject Test in Psychology, and (5) approval by a departmental committee. The same factors are considered for entrance at an advanced level, plus a record of scholarly achievements in the graduate study of psychology. That an applicant has achieved the above is not sufficient for admission. The number of applicants with superior qualifications exceeds the number of students that can be accommodated.

The department is especially interested in quality students and generally accepts them regardless of their undergraduate majors provided that they have adequate background for graduate study in psychology. Students meeting only the requirements for admission to provisional status are not generally accepted.

Students planning to apply for admission to graduate work in psychology should correspond with the department by October in order to meet the January 5 application deadline. This will allow time for tests and other formalities which must be completed before admission. Completed applications must be received by January 5 for consideration for the subsequent fall semester. Only rarely are new students admitted for semesters other than fall semester.

Requirements for the Master of Arts and Doctor of Philosophy Degrees in Psychology

To meet individual needs, every student has a guidance committee with the student's advisor as chairperson. The committee develops a program of studies in consultation with the student. In the doctoral program, a comprehensive examination is required.

There is no general language requirement. Where acquaintance with a foreign language is necessary for advancing the special interest of a particular student, the guidance committee may impose foreign language requirements.

Psychology graduate students may participate in advanced graduate training through a concentration in Quantitative Methodology and Evaluation Science (QMES). Students selecting this concentration must complete two prerequisite courses, three advanced training courses, and one student-developed project under the supervision of two members of the Quantitative Methodology and Evaluation Science faculty. For additional information on specific requirements, refer to the Quantitative Methodology and Evaluation Science Web site at www.psychology.msu.edu/GraduateProgram/Quant.htm.

Clinical psychology graduate students also participate in two concentrations: Multiculturalism and Diversity in Clinical Psychology (Psychology 828, 853, 854, 855, 952, 954, and 3 credits of Psychology 994) and Research Methods in Clinical Psychology (Psychology 818, 828, 853, 854, 855, 952, and 954).

SCHOOL of SOCIAL WORK

Gary R. Anderson, Director

Social work is a profession that assists people in achieving life satisfaction through both personal and social changes. Social work's area of expertise is found at the interface of the person and the person's environment. Social workers use a variety of practice methods, in numerous settings, with diverse population groups encountering a multitude of social problems. The profession is particularly concerned with the needs of disadvantaged, vulnerable, and oppressed populations.

The first priority of the Michigan State University School of Social Work in education, research, and service concerns the welfare of disenfranchised and oppressed peoples in the state, nation, and international communities. The school's primary focus is promoting educational leadership in meeting direct practice, clinical practice, and research needs of social workers, social service agencies, and consumers, especially related to populations at risk. Understanding the value base and ethical code fundamental to social work practice is essential.

The primary educational goal of the undergraduate program is to prepare students for beginning generalist social work practice. The primary educational goal of the master's program is to prepare students for advanced social work practice. Two majors are available at the master's level: the clinical social work major and the organizational and community practice major. The clinical social work major is designed to prepare students to work with individuals, families, and small groups, using strategies of intervention that range from advocacy to psychotherapy. The organizational and community practice major is designed to prepare students to engage in administrative and community development tasks and intervention processes. The Doctor of Philosophy degree in Social Work, which is open to students who already have earned an M.S.W. degree, emphasizes the development, analysis, and application of social work knowledge, and is designed to prepare social workers for professional leadership positions in the academy and/or in selected practice, policy, or research settings.

The School of Social Work values and seeks a diverse student population in terms of gender, ethnicity, race, age, sexual orientation, ability, and socio-economic class, with various life and educational experiences and from all geographical areas.

UNDERGRADUATE PROGRAM

The program leading to the Bachelor of Arts degree in social work is designed to prepare graduates for entry level positions in social work practice and for graduate study. The undergraduate program is grounded in the liberal arts and social sciences and is structured around courses in social work practice, social welfare policy, human behavior and the social environment, research, and a practicum experience. The program has been accredited by the Council on Social Work Education.

The faculty of the School of Social Work has adopted diversity and its relationship to social justice as the signature theme of the undergraduate program. Information about diverse populations is incorporated into classroom and field work assignments. The school encourages its majors to study abroad in order to learn more about diverse populations.

The demands of the undergraduate program are substantial, and students with an interest in the field of social work are encouraged to seek academic advising and career counseling as early in their college careers as possible. Freshmen and sophomores who declare social work as their major preference receive academic advising in the school and may enroll in Social Work 200.

For a detailed program description visit www.socialwork.msu.edu.

Admission as a Junior

The number of students who can be admitted as juniors to the bachelor's degree program in social work is limited. Applications are accepted and reviewed **only** during the spring semester of each year.

All persons who are interested in applying for admission as juniors to the bachelor's degree program in social work must request a special application form and detailed information regarding admission requirements and procedures from the School of Social Work, Room 254 Baker Hall.

Students who are enrolled in colleges and universities other than Michigan State University should contact Michigan State University's Office of Admissions and the School of Social Work regarding admission to the bachelor's degree program in social work as transfer students.

To be considered for admission as a junior to the bachelor's degree program in social work, a student must have:

1. Submitted a completed application form by the deadline specified by the school.
2. Completed Social Work 200, which is a prerequisite for the 300–400 level courses required for the bachelor's degree.
3. Completed the courses in related areas referenced in items 3. b. (1) and 3. b. (2) under the heading *Requirements for the Bachelor of Arts Degree in Social Work*.

Admission to the bachelor's degree program in social work is competitive, and there is no guarantee that students with a major preference in social work will be admitted to the bachelor's degree program as juniors. In making admissions decisions, the faculty considers the relative qualifications of applicants, their suitability for the program, and the enrollment capacity of the program. Factors such as the diversity of the student body may also be considered in the selection process.

A student who has been admitted to the bachelor's degree program in social work for a given semester, but then decides not to enroll for that semester, would need to reapply for admission to the program. There is no guarantee that the student would be admitted to the program again.

Honors Study

Students interested in honors study in social work should consult with academic advisors in the school.

Requirements for the Bachelor of Arts Degree in Social Work

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Social Work.
 The University's Tier II writing requirement for the Social Work major is met by completing Social Work 440. That course is referenced in item 3. a. below.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.
 The completion of any three of the courses referenced in item 3.b.(1) below satisfies the college requirement of a minimum of three courses totaling at least 9 credits in the following departments: Anthropology, Economics, Geography, Political Science, Psychology, and Sociology.
 The completion of Physiology 101 or 250 or Zoology 341 referenced in item 3.b.(2) below partially satisfies the college requirement of a minimum of two courses in the College of Natural Science.
3. The following required major courses:

| | | |
|----|--|----------|
| a. | All of the following Social Work courses: | 38 |
| | A grade of 2.0 must be earned in each of the following courses: Social Work 310, 320, 420, 430, 431, 440, and 441. A minimum of 2.0 must be earned to progress to a course for which one of these courses is a prerequisite. | |
| | SW 200 Introduction to Social Work | 3 |
| | SW 310 Human Behavior and Social Environment | 3 |
| | SW 320 Social Work and Social Policy I | 3 |
| | SW 340 Foundations of Social Work Practice | 3 |
| | SW 420 Social Work and Social Policy II | 3 |
| | SW 430 Research Methods in Social Work I | 4 |
| | SW 431 Research Methods in Social Work II | 3 |
| | SW 440 Social Work Practice with Individuals, Families, and Groups (W) | 3 |
| | SW 441 Social Work Practice with Task Groups, Organizations and Communities | 3 |
| | SW 494A Social Work Field Education: Foundation I | 5 |
| | SW 494B Social Work Field Education: Foundation II | 5 |
| b. | The following courses in related areas | 23 or 24 |
| | (1) All of the following courses (11 credits): | |
| | PLS 100 Introduction to American National Government | 3 |
| | PSY 101 Introductory Psychology | 4 |
| | SOC 100 Introduction to Sociology | 4 |
| | (2) One of the following courses (3 or 4 credits): | |
| | PSL 250 Introductory Physiology | 4 |
| | PSY 209 Brain and Behavior | 3 |
| | ZOL 341 Fundamental Genetics | 4 |
| | Integrative Studies in Biological Science 204 may be used to satisfy requirement 3. b. (2). | |
| | (3) One of the following courses (3 credits): | |
| | ANP 201 Sociocultural Diversity | 3 |
| | HDFS 442 Ethnic Minority Families in America | 3 |
| | SOC 215 Race and Ethnicity | 3 |
| | SOC 216 Sex and Gender | 3 |
| | (4) One of the following courses (3 credits): | |
| | EC 201 Introduction to Microeconomics | 3 |
| | EC 202 Introduction to Macroeconomics | 3 |
| | (5) One of the following courses (3 credits): | |
| | PSY 200 Cognitive Psychology | 3 |
| | PSY 235 Social Psychology | 3 |
| | PSY 236 Personality | 3 |
| | PSY 244 Developmental Psychology: Infancy Through Childhood | 3 |
| | PSY 270 Community Psychology | 3 |
| | PSY 280 Abnormal Psychology | 3 |

GRADUATE STUDY

Students who apply for admission to graduate programs in the School of Social Work should be prepared for a rigorous schedule of course work combined with concurrent practicum experiences in diverse settings.

The School of Social Work offers the Master of Social Work degree which has been accredited by the Council on Social Work Education (CSWE). The Master of Social Work degree program requires clear thinking, competence in written and oral expression, and emotional stability. Students will major in either Clinical Social Work or Organization and Community Leadership. For a detailed description of the Master of Social Work degree program consult the Master of Social Work Manual or visit www.socialwork.msu.edu.

There are different paths of completion for the Master of Social Work degree. The school offers a part-time evening Master of Social Work program in Flint, Michigan, and a full-time and part-time Accelerated Advanced Standing Program in Oakland County.

The school also offers the Blended Statewide Clinical Master of Social Work degree program, an accredited program with a concentration in clinical practice available throughout Michigan. The program format combines face-to-face activities, videoconferencing, and online instruction, structured in a unique learning community. The program requires year-round participation for three years in a part-time model designed to accommodate working professionals. Field placements are arranged near where students live or work. There is a required one-week summer institute for three consecutive summers, generally held in June.

The school also offers a Weekend Program with a major in organizational and community practice.

The Master of Social Work requires 57 credits for degree completion. Students who are admitted to this program after having completed the equivalent of the first year of this program at another university are required to complete a minimum of 31 credits while enrolled in the Master of Social Work degree program at Michigan State University. A maximum of 26 credits of graduate-level work in another program accredited by the Council on Social Work Education (CSWE) may be applied to the credit requirements under the Master of Social Work degree.

Students who hold a bachelor's degree in social work from a program that is accredited by the Council on Social Work Education (CSWE) may apply for admission to the Accelerated Master of Social Work Advanced Standing Program. This program requires a minimum of 38 credits for the Master of Social Work degree and can be completed full-time over one year, or part-time over two-years.

Students who are enrolled in the Master of Social Work degree program in the School of Social Work may elect to complete an optional certificate program in a variety of areas including school social work, law and social work, advanced clinical practice with families, or social work with older adults.

Students who are enrolled in the Master of Social Work degree program in the School of Social Work may elect specializations in Infancy and Early Childhood. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Infancy and Early Childhood*.

Master of Social Work

The Master of Social Work degree program includes extensive required courses and course sequences in social work. Only Plan B (without thesis) is available.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Admission to the Master of Social Work Degree Program

All students, with the exception of those applying for the Blended Statewide Clinical program and the Weekend Program with a major in organization and community leadership, begin the Master of Social Work degree program in the fall semester to align their enrollment with the sequencing of required courses. Therefore, applicants should seek admission during the previous fall semester. Applicants interested in the Blended Statewide Clinical program should apply for summer admission because it begins in a summer session. Students wishing to be considered for admission must submit the application materials requested on the School of Social Work Web site at www.socialwork.msu.edu. Although an undergraduate major or concentration in the social sciences or in social work may be helpful, it is not required.

To be considered for admission to the Master of Social Work degree program, a person must have:

1. A bachelor's degree from a recognized institution.
2. A grade-point average of at least 3.0 (on a 4.0 scale) during undergraduate study or in 14 or more credits of graduate study. The grade-point average in the last 60 credits or their equivalents of undergraduate course work is primarily considered.
3. Prior academic record including at least 19 credits in liberal arts.

Applicants will be evaluated on a combination of factors:

1. Grade-point average in undergraduate study or in 14 or more credits of graduate study.
2. Evidence of personal qualities considered important for the practice of social work.

3. Judgments by the faculty of the candidate's commitment to social work and suitability for the profession, based on a reading of the application.
4. Length and type of work and volunteer experience.
5. Three letters of reference.

In addition to these requirements, applicants to the Blended Statewide Clinical program must:

1. Live more than 50 miles from both the East Lansing and Flint campuses.
2. Have regular access to high-speed internet service.
3. Have at least two years of full-time experience, or equivalent, in human services during the last five years, generally after completion of the bachelor's degree.
4. Complete an online assessment and orientation program on how to learn effectively in the online environment.
5. Participate in a personal interview.

Requirements for the Master of Social Work Degree Program

The student must complete 57 credits in specified instruction in social work. Detailed plans of study are available in the Master of Social Work Manual which is available at www.socialwork.msu.edu. Required course work for both the Clinical Social Work major and the Organization and Community Leadership major are taken in the following areas: social work practice methods, human behavior and the social environment, social welfare policy, research methods, and field education.

Admission to the Accelerated Master of Social Work Degree Program

Persons who hold a recent bachelor's degree in social work from a program that is accredited by the Council on Social Work Education (CSWE) may apply for admission to the Accelerated Master of Social Work Advanced Standing Program.

Students are admitted only for summer session. Applicants should therefore seek admission during the previous fall semester. Students wishing to be considered for admission must submit all the application materials available on the School of Social Work Web site (www.socialwork.msu.edu), as well as the application to the university for Graduate Study.

To be considered for admission to the Accelerated Master of Social Work Advanced Standing program, a person must have:

1. A bachelor's degree in social work from a program that is accredited by the Council on Social Work Education (CSWE) and was granted within the last six years.
2. A grade-point average of at least 3.25 (on a 4.0 scale) during undergraduate study. The grade-point average in the last 60 credits or their equivalents of undergraduate course work is also considered.

Applicants will be evaluated on a combination of factors:

1. Judgments by the faculty of the candidate's commitment to social work and suitability for the profession, based on a reading of the application.
2. Length and type of work and volunteer experience.
3. Two letters of reference and a field/practicum employment evaluation from the undergraduate faculty or agency practicum instructor or from the most recent social work agency at which the applicant was employed.
4. Evidence of personal qualities considered important for the practice of social work.

Persons who are admitted to the Accelerated Master of Social Work Advanced Standing program must have successfully completed an undergraduate course in statistics or an approved equivalent at the time of matriculation.

Requirements for the Accelerated Master of Social Work Advanced Standing Program

The student must complete 38 credits in specified instruction in social work. Detailed plans of study are available in the Master of Social Work Manual which is located at www.socialwork.msu.edu. Required course work for both the Clinical Social Work major and the Organization and Community Leadership major are taken in the following areas: social work practice methods, social welfare policy, research methods, and field education.

Residence

One year of residence consisting of two consecutive semesters and involving at least 7 credits of graduate course work each semester is required. If students attend part-time, the residency requirement must be met in the year that the advanced methods and practicum courses are being completed.

Part-Time Students

Both the Master of Social Work program and the Accelerated Master of Social Work Advanced Standing program are available on a part-time basis.

At the time of admission, students must apply for either part-time or full-time study. Students may not transfer between part-time and full-time study without approval of the school.

Part-time students must progress through a plan of study as specified by the school. All students must meet their residence requirements during the year in which they are enrolled in the advanced practice and field instruction courses.

Doctor of Philosophy

The Doctor of Philosophy in Social Work is an interdisciplinary program rooted in the historical, epistemological, and philosophical bases of social work. It is designed to prepare social workers for leadership positions in the profession as educators, researchers, policy makers, and/or administrators. It places emphasis on the development, analysis, and application of social work knowledge related to professional practice, and is designed to contribute to the advancement of knowledge in the social work profession and field of social welfare.

In addition to meeting the requirements of the university and the College of Social Science, students must meet the requirements specified below.

Admission

The doctoral program in social work invites applications from experienced social workers who hold a Master of Social Work (MSW) degree from a Council on Social Work Education (CSWE) accredited graduate program. Applicants must provide evidence of outstanding professional competence, academic excellence and a capacity to develop concepts and articulate issues related to the social work profession, and an interest in advanced social work research, education, and practice. Applicants with outstanding academic records may be admitted to the program provisionally and permitted to make up deficiencies on a collateral basis.

Requirements for the Doctor of Philosophy Degree in Social Work

The program requires 21 credits in post-master's social work education, including the completion of a research internship. Students must also take 18 credits of course work outside the School

of Social Work including 6 credits of statistics and 12 credits in a social science discipline or focused cognate. In addition, students must complete a comprehensive examination administered by the student's guidance committee, complete 24 credits of dissertation research, and successfully defend the dissertation.

DEPARTMENT of SOCIOLOGY

Raymond A. Jussaume, Jr., Chairperson

The world is rapidly changing. Global processes are transforming societies, changing cities and forms of economic production, creating new ways to communicate and precipitating new migration patterns, impacting human health and life chances, reshaping the environment, increasing social inequalities, and posing new risks and opportunities. New forms of labor, social movements, family life, health care delivery, military conflicts, and ways to distribute food and services are emerging. These global forces are changing the character of sociology itself.

The MSU Department of Sociology examines these changing social dynamics through domestic and international scholarship. To signify this perspective, the department has adopted the theme of global transformation to indicate what unifies the diverse activities of our faculty and students.

Global transformation implies a commitment to global and cross-national projects and programs. Our research analyzes global social, political, and cultural differences as well as how a global system often shapes social and environmental processes and movements, change, inequalities, social and economic conflict, and innovation.

UNDERGRADUATE PROGRAM

Sociologists study how societies are created, maintained, and challenged. They think about the ways in which individuals and social structures interact. The department's undergraduate program is designed to give students an understanding of these processes throughout the world and of the major patterns of social behavior and organization in the United States. Courses deal with a range of topics including the basic institutions of society such as the economy and industry, education, family, health care and medicine, politics, sciences, mass media, the arts, and technology. Students examine how change occurs in rural and urban communities, in the environment, and in bureaucracies. They consider how knowledge may be used to bring about change. Courses on international development, sex and gender, racial and ethnic inequality, and changes in the lifecycle focus on the rich cultural and social diversity of individual and group behavior. Courses in social psychology and personality enable students to understand how individual behavior is affected by group life. Courses that focus on fundamental methods and techniques of research are important for understanding how to collect and interpret data on individual and group behavior. Opportunities are also available for participation in faculty research projects where the knowledge and skills learned in the classroom can be applied to real world situations. Some students have used their bachelor's degrees in sociology as a foundation for graduate and professional study in medicine, law, business, urban planning, social work, labor and industrial relations, and public health, or for advanced graduate study in preparation for careers as college teachers and researchers. Others may pursue positions in busi-

ness, public service, sales research, teaching, public relations, and administration.

A Minor in Sociology is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University other than the Bachelor of Arts or Bachelor of Science degree in Sociology. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree. A total of 19 credits in the Department of Sociology are required for the minor. For further information about the minor in Sociology, visit www.soc.msu.edu.

Requirements for the Bachelor of Science Degree in Sociology

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Sociology.
The University's Tier II writing requirement for the Sociology major is met by completing Sociology 488 or 499. Those courses are referenced in item 3. a. below.
The completion of Statistics and Probability 200, 201, 421 or 422, referenced in item 4. below may also satisfy the University mathematics requirement or the College of Social Science NATURAL SCIENCE REQUIREMENT, but not both.
2. The requirements of the College of Social Science for the Bachelor of Science degree.
3. The following required major courses: CREDITS
33
 - a. All of the following courses:

| | | |
|---------|--|---|
| SOC 100 | Introduction to Sociology | 4 |
| SOC 241 | Social Psychology | 3 |
| SOC 281 | Methods of Social Research I | 4 |
| SOC 282 | Methods of Social Research II | 4 |
| SOC 488 | Sociological Theory (W) | 3 |
| SOC 499 | Social Issues and Change in Contemporary Society (W) | 3 |
 - b. One of the following courses that are related to diversity:

| | | |
|---------|-----------------------|---|
| SOC 215 | Race and Ethnicity | 3 |
| SOC 216 | Sex and Gender | 3 |
| SOC 330 | Social Stratification | 3 |
 - c. A minimum of three additional Sociology courses at the 300 level or higher, at least one of which must be at the 400 level 9
4. The College's NATURAL SCIENCE REQUIREMENT for the Sociology major is met by completing 15 additional credits in the natural sciences selected as follows:
 - a. One of the following courses in computer science:

| | | |
|---------|-------------------------------------|---|
| CSE 101 | Computer Concepts and Competencies | 3 |
| CSE 131 | Introduction to Technical Computing | 3 |
| CSE 231 | Introduction to Programming I | 4 |
| CSE 232 | Introduction to Programming II | 4 |
 - b. One of the following courses:

| | | |
|---------|------------------------|---|
| STT 200 | Statistical Methods I | 3 |
| STT 201 | Statistical Methods II | 4 |
| STT 421 | Statistics I | 3 |
| STT 422 | Statistics II | 3 |
 - c. At least 9 additional credits in the following departments or programs: Biochemistry and Molecular Biology, Biological Science, Chemistry, Entomology, Geological Sciences, Mathematics, Microbiology and Molecular Genetics, Physics and Astronomy, Plant Biology, Plant Pathology, Statistics and Probability, and Zoology. The completion of courses taken in fulfillment of the University Mathematics requirement may not apply towards this requirement. Students should see their academic advisor to obtain a list of approved courses which will meet this requirement.

Requirements for the Bachelor of Arts Degree in Sociology

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Sociology.
The University's Tier II writing requirement for the Sociology major is met by completing Sociology 488 or 499. Those courses are referenced in item 3. a. below.
2. The requirements of the College of Social Science Bachelor of Arts degree.
3. The following required major courses: CREDITS
33
 - a. All of the following courses:

| | | |
|---------|--|---|
| SOC 100 | Introduction to Sociology | 4 |
| SOC 241 | Social Psychology | 3 |
| SOC 281 | Methods of Social Research I | 4 |
| SOC 282 | Methods of Social Research II | 4 |
| SOC 488 | Sociological Theory (W) | 3 |
| SOC 499 | Social Issues and Change in Contemporary Society (W) | 3 |
 - b. One of the following courses that are related to diversity:

- | | | |
|---------|--|---|
| SOC 215 | Race and Ethnicity | 3 |
| SOC 216 | Sex and Gender | 3 |
| SOC 330 | Social Stratification | 3 |
| c. | A minimum of three additional Sociology courses at the 300 level or higher, at least one of which must be at the 400 level | 9 |

MINOR IN SOCIOLOGY

The Minor in Sociology, which is administered by the Department of Sociology, provides a fundamental understanding of the linkages between agency and structure of society. Students obtain knowledge of the principles of sociology, sociological inquiry, diversity in society, and the ways in which global forces are affecting modern society.

The minor is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University other than the Bachelor of Arts or Bachelor of Science Degree in Sociology. With the approval of the department and college that administers the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree. At least 12 unique credits counted towards the requirements for a student's minor must not be used to fulfill the requirements for that student's major.

Students who plan to complete the requirements for the minor should consult an undergraduate advisor in the Department of Sociology.

Requirements for the Minor in Sociology

Complete a total of 19 credits in the Department of Sociology from the following:

- | | | CREDITS |
|----|--|---------|
| 1. | Both of the following courses (7 credits): | |
| | SOC 100 Introduction to Sociology | 4 |
| | SOC 131 Social Problems | 3 |
| 2. | One of the following courses (3 credits): | |
| | SOC 215 Race and Ethnicity | 3 |
| | SOC 216 Sex and Gender | 3 |
| | SOC 330 Social Stratification | 3 |
| 3. | One of the following courses (3 credits): | |
| | SOC 161 International Development and Change | 3 |
| | SOC 362 Developing Societies | 3 |
| 4. | Complete two courses in Sociology at the 300-400 level totaling 6 credits. The courses must be approved by the student's academic advisor. | |

TEACHER CERTIFICATION OPTIONS

A sociology disciplinary minor is available for teacher certification.

Students who elect the sociology disciplinary minor must contact the Department of Sociology.

For additional information, refer to the statement on *TEACHER CERTIFICATION* in the *Department of Teacher Education* section of this catalog.

GRADUATE STUDY

The MSU graduate sociology program seeks to develop professionals who will be creative researchers, teachers, and practitioners in knowledge production. The department has five areas of concentration and a number of specialties:

1. **Community and Urban.** Areas of study include community development, decline and environmental justice; community health; creative communities and fostering creativity; urban and regional economic and transportation networks; expressive cultural behaviors of U.S. African American communities; international development and community change; international urban transformations; social stratification and race in communities; gangs, violence, criminal justice in urban communities; urban food systems and food security.
2. **Environment.** Areas of study include food and energy production; land use; our interactions with other species; climate

- change, pollution, and changes in ecosystem structure and function; and human environment intersections.
3. **Family.** Areas of study include cultural production and maintenance among minority families; domestic violence; family formation and dissolution; gender; health and aging; impact of social change on the family structure, dynamics, and effectiveness; intergenerational transfer; intersectionality and social inequality; LGBT families; marriage and cohabitation; divorce and widowhood; migration and family; religion and family; work-family conflict.
 4. **Health and Medicine.** Areas of study include the social context of health, illness, and health care, with a central focus on health disparities by race/ethnicity, social class, gender, and marital status; political, economic, and environmental circumstances that threaten health; and societal forces that impact the health care system.
 5. **Migration.** Areas of study include the African diaspora; the demography of migration; development and migration; the environment and migration; gender and migration; health and migration; migrant ethnic entrepreneurship, communities, and conflict; migrant integration; migration, race, and refugees; migration research methods.

Students who are enrolled in Master of Science degree programs in the Department of Sociology may elect a Specialization in Food Safety. For additional information, refer to the statement on the specialization in the *College of Veterinary Medicine* section of this catalog.

Students who are enrolled in Master of Arts and Doctor of Philosophy degree programs in the Department of Sociology may elect specializations in Infancy and Early Childhood. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Infancy and Early Childhood*.

For further information about graduate study in sociology, consult the department's Graduate Manual or visit www.sociology.msu.edu.

SOCIOLOGY

Although the department views the Doctor of Philosophy degree as the terminal degree in sociology, a master's degree program with a major in sociology is available.

Master of Arts

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Requirements for the Master of Arts Degree in Sociology

The program is available only under Plan A (with thesis). The student must meet the requirements specified below:

1. Complete 30 credits including:
 - a. All of the following courses (12 credits):
 - SOC 801 Global Transformations 3
 - SOC 815 Classical Sociological Theory 3
 - SOC 881 Analysis of Social Data I 3
 - SOC 885 Methods of Sociological Inquiry 3
 - b. One of the following courses (3 credits):
 - SOC 954 Techniques of Population Analysis 3
 - SOC 985 Qualitative Field Research 3
 - SOC 986 Survey Research Principles 3
 - SOC 989 Topics in Sociological Methodology 3
 - c. At least three courses in **one** of the department's major research theme areas of concentration.
 - d. Complete 4 to 8 credits of Sociology 899 Master's Thesis Research.
2. Present the thesis at a colloquium of the faculty who are associated with the student's major research theme area of concentration. The presentation must be acceptable to the faculty and be suitable for presentation at a professional meeting or publication in a professional journal.
3. Participate in the teaching assistant workshop offered by the department.

4. Participate in the Sociology Graduate Seminar for First-Year Students.

Doctor of Philosophy

The doctoral degree program in sociology is designed to give the student a general background in sociological theory and methodology, as well as training in a major substantive area of the discipline.

While there is no language requirement, where acquaintance with a foreign language is necessary for advancing the special interest of the student, the student, in consultation with the guidance committee, may decide upon the study of a foreign language appropriate to their research and career development.

In addition to meeting the requirements of the university and of the College of Social Science, students must meet the requirements specified below.

Requirements for the Doctor of Philosophy Degree in Sociology

In addition to completing the requirements for the Master of Arts Degree in Sociology noted above, the student must meet the requirements specified below:

1. Complete both of the following courses (6 credits):
 - SOC 816 Contemporary Sociological Theory 3
 - SOC 995 Professional Training Seminar 3
2. Complete one of the following, either a. or b. (3 credits):
 - a. SOC 882 Analysis of Social Data II 3
 - b. One of the following courses (3 credits):
 - SOC 954 Techniques of Population Analysis 3
 - SOC 985 Qualitative Field Research 3
 - SOC 986 Survey Research Principles 3
 - SOC 989 Topics in Sociological Methodology 3

Students must select one of the courses that was not used to fulfill the requirements for the Master of Arts Degree in Sociology.
3. Two additional courses selected from the department's major research theme areas of concentration that were not used to satisfy the requirements for the Master of Arts Degree in Sociology. The courses must be approved by the student's guidance committee.
4. Complete 24 credits of Sociology 999 Doctoral Dissertation Research.
5. Successful completion of the comprehensive examination.
6. Successful defense of the dissertation.

GRADUATE SPECIALIZATION IN ANIMAL STUDIES: SOCIAL SCIENCE AND HUMANITIES PERSPECTIVE

The Graduate Specialization in Animal Studies: Social Science and Humanities Perspective, which is administered by the Department of Sociology, provides graduate students with basic knowledge in relationships between humans and animals and how they are linked together in a fragile biosphere.

The graduate specialization is available as an elective for students who are enrolled in master's or doctoral degree programs at Michigan State University. With the approval of the department and college that administers the student's degree program, the courses that are used to satisfy the specialization may also be used to satisfy the requirements for the master's or doctoral degree.

Students who plan to complete the requirements for the graduate specialization should consult the graduate advisor for the specialization in the Department of Sociology.

Requirements for the Graduate Specialization in Animal Studies: Social Science and Humanities Perspective

CREDITS

Complete a total of 12 credits from the following:

1. Both of the following courses (6 credits):

| | | | |
|-----|-----|------------------------------------|---|
| SOC | 840 | Animals and Social Transformations | 3 |
| SOC | 989 | Topics in Sociological Methodology | 3 |
2. One of the following courses (3 credits):

| | | | |
|-----|------|---|---|
| ACR | 823 | Contemporary Issues in Animal-Human Relationships | 3 |
| ANS | 805 | Animal Welfare Assessment | 3 |
| LAW | 565A | Animal Law | |
3. Complete 3 credits of additional course work that focuses on any aspect of the human-animal relationship that meets the interests of the student. A list of available courses can be found on the specialization Web site. The course must be approved by the student's academic advisor for the specialization.

PROGRAM in WOMEN, GENDER, and SOCIAL JUSTICE

Lisa Fine, Acting Director

The Women, Gender, and Social Justice program is a cross-disciplinary academic unit that is administered jointly by the College of Social Science and the College of Arts and Letters. The College of Arts and Letters is the primary administrative unit and the Center for Gender in Global Context oversees advising. The program offers a cross-disciplinary major in women's and gender studies leading to the Bachelor of Arts degree. In addition, an undergraduate minor in women's and gender studies is offered. For additional information, refer to the *Women, Gender, and Social Justice Program* statement in the *College of Arts and Letters* section of this catalog.

CENTER FOR ADVANCED STUDY OF INTERNATIONAL DEVELOPMENT

Robert S. Glew, Director

The Center for Advanced Study of International Development (CASID) is a multidisciplinary unit, organized within the College of Social Science in cooperation with the Office of the Dean of International Studies and Programs and strengthened by the participation of scholars from a variety of other colleges. CASID works to facilitate and catalyze MSU faculty research and scholarship in fields related to international development. The Center is a national and international center of excellence and supports the creation, dissemination, and application of knowledge about international development. CASID seeks to advance knowledge and transform lives through collaborative learning and responsive engagement with peoples and communities around the globe. Since 1981, CASID has been funded by the U.S. Department of Education to operate as a National Resource Center for Foreign Language and International Studies and to award Foreign Language and International Studies Fellowships under Title VI of the Higher Education Act.

CASID also promotes undergraduate and graduate programs focusing on issues of international development, works with academic units to assure continued availability and quality of relevant course offerings, coordinates issue-oriented interest groups, and supports scholarly presentations, and outreach programming.

A undergraduate and graduate Specialization in International Development is available to interested students. For additional information, refer to the statement on *Specializations* in the *College of Social Science* section of this catalog.

CENTER FOR GLOBAL CHANGE AND EARTH OBSERVATIONS

Jianguo Qi, Director

The Center for Global Change and Earth Observations (CGCEO) is an interdisciplinary research unit administered by the College of Social Science in collaboration with the College of Natural Science, the College of Agriculture and Natural Resources and AgBioResearch. Faculty from across the university participate in research focused on the study of global environmental change using geospatial information technologies and earth observation satellites to measure, analyze and predict the human and physical processes of global environmental change. The center strives to strengthen interdisciplinary approaches for understanding global change at all scales, from the local to the global, using the tools of the social and physical sciences.

The center promotes basic and applied research on global environmental change in key areas including land use and cover change, coupled human and natural systems, coupled biological and physical systems, deforestation, biodiversity, sustainable development, environmental monitoring and natural resource management. It also seeks to promote the coupling of global scale environmental research with local applications and problem solving. Research is supported through external funding from federal agencies, international organizations, the private sector and foundations.

The center develops and uses new tools of geographic information sciences, including open and distributed geographic information systems, satellite remote sensing, spatial and agent-based numerical modeling, field-based sampling, and internet-based spatial decision support systems. It conducts research around the world, but mostly centered in Brazil, Ecuador, Costa Rica, Africa, Southeast Asia, Central Asia, and China as well as in the Great Lakes and throughout the United States. The center provides support to graduate research, education and training within the three collaborating colleges and provides academic support for curricula in geographic information science, global change science, and environmental science.

JULIAN SAMORA RESEARCH INSTITUTE

Rubén Martínez, Director

The Julian Samora Research Institute (JSRI) generates, disseminates, and applies knowledge to serve the needs of La-

tino communities in the Midwest and the United States. To achieve its mission, the JSRI: 1) serves as the hub of an interdisciplinary research program on social, cultural, health and economic issues confronting Latino populations and communities; 2) advances Latino scholarship by encouraging and supporting Latino-focused faculty and students to conduct research and engage in mentoring, research assistantships, fellowships, symposia and related activities; and 3) transmits and disseminates knowledge and research findings to various academic, government, community and private institutions and officials.

In addition, JSRI provides technical expertise to the broader community on policy development issues facing Latinos, and promotes the development of Latino cultural and human capital through leadership development, community empowerment, and education. Through the generation, transmission and application of knowledge, JSRI is committed to transforming lives. By engaging Latino-focused researchers, agencies, practitioners, policymakers and Latino communities in collaborative learning, community-based projects, and responsive engagement, JSRI joins University Outreach and Engagement and the larger university community in contributing to the advancement of the larger society – both locally and globally.

MATRIX: THE CENTER for the HUMANE ARTS, LETTERS, and SOCIAL SCIENCES ONLINE

Dean Rehberger, Director

Matrix: The Center for Humane Arts, Letters and Social Sciences Online at Michigan State University seeks to advance critical understanding and promote access to knowledge through world-class research in digital humanities and cultural informatics. Digital humanities and cultural informatics bring together the humanist's quest for deeper understanding of human nature, thought, expression, and behavior with the tools, methods and applications of computer science, user experience design, and information and library sciences. Matrix researchers use information and communication technologies to advance, mediate, and inform the humanist disciplines, as well as disciplines within the arts, social sciences, and education. At MSU, Matrix partners in music, history, anthropology and archaeology, education, international studies, museum studies, archives and libraries to build new, global, networked resources, services, and platforms that give life to the metaphor of "Matrix" as the multiple intersections and applications of interdisciplinary research. Matrix therefore applies humanities technology to all the elements of MSU's mission: research, education, outreach, and service to multiple public and professional communities. Guided by basic scholarly and humanist values of excellence, education, access, and inclusiveness, and conducted according to proven, collaborative, scholarly methods and principles, Matrix has become one of the most prestigious humanities technology centers in the world.

To this end, the mission of Matrix: The Center for Humane Arts, Letters, and Social Sciences Online serves as a catalyst for and incubator of the emerging fields of the digital humanities and cultural heritage informatics. In pursuing the Center's vision, Matrix is guided by five broad strategic goals that describe the national research agenda in digital humanities and cultural heritage informatics:

1. Broaden and advance the creation, preservation, access to and interpretation of the human record (both past and present), through collaborative research and development of major digital cultural heritage tools and resources.
2. Forge and strengthen interdisciplinary partnerships, pioneer research and development of pedagogical applications of new digital technologies for the arts, humanities, and social sciences in order to transform teaching and learning.
3. Research, develop, and implement tools and platforms to advance scholarly networking within and across disciplines, develop new forms of online publication within the academy and the broader public.
4. Research, develop and apply information and communication technologies to build domestic and international linkages, promote public involvement, ensure digital equity, and support civil society.
5. Foster a new generation of scholars to research, develop, and implement new technologies, platforms, and approaches for research and teaching, and to pioneer a new type of interdisciplinary humanities scholarship.

For additional information, visit www.matrix.msu.edu.

REMOTE SENSING and GEOGRAPHIC INFORMATION SCIENCE RESEARCH and OUTREACH SERVICES

Justin Booth, Director

Remote Sensing and Geographic Information Science Research and Outreach Services (RS&GIS) is administered by the Department of Geography in the College of Social Science. The program was established to strengthen and support the utilization of geospatial technologies in research, instruction, and extension activities.

RS&GIS promotes interdisciplinary research through the collaborative efforts of faculty investigators, research staff, and students. Technical expertise includes geospatial database creation and analysis, web-mapping application development, aerial imagery processing and interpretation, and cartographic and graphic design. Thematic expertise includes land/water use and change detection, planned economic development, inventory and assessment of natural and human systems, Great Lakes coastal management, and terrain analysis. RS&GIS also maintains the Aerial Imagery Archive, a repository of historical imagery dating back to the 1930s.

Professional staff is available for consultation and technical assistance to faculty, staff, and students. The program sponsors many technical and thematic seminars and short courses.

INSTITUTE FOR PUBLIC POLICY AND SOCIAL RESEARCH

Douglas B. Roberts, Director

The Institute for Public Policy and Social Research is a university-wide research institute located within the College of Social Science. The institute provides research and technical assistance programs aimed at state, regional, and local levels of government, and research on national and international comparative issues affecting regional and local developments. Institute personnel have economic, tax policy and analysis, public policy analysis and evaluation, computer programming, data management, statistical, survey analysis, and methodological expertise. The Institute includes the following units:

Michigan Political Leadership Program. This scholarship-funded certificate program is designed for those seeking greater involvement in the public policy process, particularly while serving in public office. Every year, 24 successful applicants participate in a curriculum that provides a solid foundation in practical politics, public policy analysis and process, personal leadership development, and effective governance. The 10-month program is co-directed by two people experienced in public leadership and governance, one Republican and one Democrat.

Legislative Leadership Program. Sponsored in conjunction with Michigan State University Extension, this program links scholars, legislators, and practitioners in a discussion of public policy issues and the policy making process. The program kicks off every two years shortly after state elections. It invites newly elected state legislators for a multi-day session on current public policy issues. It also sponsors ongoing informal meetings among faculty and legislators to discuss policy issues and relevant research further.

Public Policy Forums. The institute organizes and carries out regular forums on topics of timely interest for legislators and other governmental decision-makers. These take place during the spring of the year and have focused on such issues as energy, education, tax policy, and the state of the nation's infrastructure and economic development.

Office for Survey Research. The institute specializes in telephone interviews, web-based surveys, and mailed questionnaires in support of both of applied and basic research. It also provides consultation in sampling design, question sequencing, statistical analysis, and other technical aspects of survey research. Projects span needs assessments, epidemiological studies, opinion surveys, client feedback surveys, cognitive interview testing, social or economic impact studies, various aspects of focus group design and operation, and political polls. The Office for

Survey Research maintains and operates a state-of-the-art research lab accommodating more than 2,000 interviewing hours per week.

State of the State Survey. This telephone survey of approximately 1,000 adult residents of Michigan is the only survey conducted to systematically monitor the public mood on important issues in major regions of the state. The quarterly survey runs about 20 minutes in length, and a portion of that time is devoted to questions monitoring the public's satisfaction with public leaders and existing economic conditions. Results are published online. MSU faculty, administrators, profit and nonprofit organizations are consistent sponsors of SOSS questions, research contributors and collaborators.

Visit <http://www.ippsr.msu.edu/soss/sosssdata.htm>.

INSTITUTE of PUBLIC UTILITIES

Janice A. Beecher, Director

Established at Michigan State University in 1965, The Institute of Public Utilities supports informed, effective, and efficient regulation of the infrastructure-intensive network industries providing vital utility services – electricity, natural gas, water, and telecommunications. Its mission is to provide the regulatory policy community with integrative and interdisciplinary educational programs and applied research on the institutions, theory, and practice of modern utility regulation. Public utilities are essential for human health, welfare, and development. Economic regulation is essential in the context of persistent market constraints and evolving social objectives. The institute is dedicated to regulation in the public interest and is uncompromising with respect to the obligations of diligence and integrity in regulatory governance. It takes a principled approach to regulatory practice, an empirical approach to regulatory analysis, and a reasoned approach to regulatory change. Institute forums address today's biggest challenges, including the complex integration of markets and regulation and the need to enhance oversight capacity. The institute's guiding philosophy is that regulation is well-served by university-based research and education. The institute specializes in providing peer-based learning and networking opportunities, as well as professional education credits. Certificates of participation can lead to a Certificate of Continuing Regulatory Education to recognize commitment to lifelong learning. Diverse program faculty members include nationally recognized university educators and experienced practitioners known for their insight, expertise, and teaching ability.