



# College of SOCIAL SCIENCE

---

Marietta L. Baba, DEAN

In the complex and rapidly changing world of the 21<sup>st</sup> century, the educated person is responsible for acquiring the ability to think critically about the social, behavioral and economic phenomena that constitute our human environment. The departments, schools and programs of the College of Social Science are committed to providing educational opportunities that will foster the expertise needed to address the problems confronting citizens of our increasingly globalized and highly technological 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, Political Science, Psychology, and Sociology; **Schools** of Criminal Justice, Labor and Industrial Relations, and Social Work; **Programs** in Landscape Architecture and Urban and Regional Planning; **Other Units** such as Women's Studies Program (administered jointly with College of Arts and Letters); Center for Integrative Studies in Social Science; Center for Advanced Study of International Development; Center for Remote Sensing and Geographic Information Science; and Institute for Public Policy and Social Research. The College also sponsors or co-sponsors several specializations, both graduate and undergraduate, which are described below.

In cooperation with other components of the University, the College of Social Science engages in the pursuit and application of knowledge from emerging interdisciplinary perspectives. For example, the College collaborates with the following units: College of Human Medicine, College of Agriculture and Natural Resources, College of Arts and Letters, College of Natural Science, College of Education, University Outreach, International Studies and Programs, Institute for Children, Youth and Families, Institute

for International Health, 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, and in the Interdisciplinary Studies in 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 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 requires at least 42 credits in courses recognized by the College as counting toward the major. This is a broadly based major which organizes courses around a thematic concentration with a career focus in one of the following fields: Community Relations, Environmental Policy, Health Studies, Human Aging, Human

Resources and Society, International Studies, Law and Society (Prelaw), and Public Policy Studies.

Majors in the College lead to Bachelor of Arts, Bachelor of Science, and Bachelor of Landscape Architecture 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 Studies, Asian Studies, Canadian Studies, Chicano/Latino Studies, International Development, Latin American and Caribbean Studies, Peace and Justice Studies, Security Management (see *School of Criminal Justice*, below), and Spatial Information Processing (see *Department of Geography*, below).

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 MSU 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, or in the Interdisciplinary Studies in Social Science major. Students who declare any Social Science major preference will be assigned an academic adviser 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 and Landscape Architecture programs at the junior and senior levels 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. Students may not use independent study, internship, field experience, and practicum courses to fulfill college requirements.

3. Unless otherwise noted, no courses offered by a student's major department of 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.

#### I. 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 2.00 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, Landscape Architecture, Political Science, Psychology, Social Work, Sociology, and Urban and Regional Planning.

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 **not** be used to satisfy this requirement.

##### B. ARTS AND LETTERS REQUIREMENT

Complete a minimum of 9 credits in the College of Arts and Letters. 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 2.00 grade-point average for courses in the major.

## SOCIAL SCIENCE Undergraduate Programs

2. Complete a minimum of 9 credits in the following departments, schools, and programs: Anthropology, Criminal Justice, Economics, Geography, Landscape Architecture, Political Science, Psychology, Social Work, Sociology, and Urban and Regional Planning.

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 **not** be used to satisfy this requirement.

### B. ARTS AND LETTERS REQUIREMENT

Complete a minimum of 6 credits in the College of Arts and Letters. 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.

## Graduation Requirements for the Bachelor of Landscape Architecture Degree

See the *Department of Geography* section for the requirements for the Bachelor of Landscape Architecture degree with a major in landscape architecture.

## Preprofessional Programs

Students at MSU 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 Health Studies concentration in the Interdisciplinary Studies in Social Science major. Declared premed majors will be advised by a preprofessional adviser in the College of Natural Science as well as by the academic adviser 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 Adviser, 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 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 adviser for African studies in the College of Social Science, located in Room 100 International Center, coordinates the specialization on behalf of the Dean. That adviser 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 adviser for African studies.

## Requirements for the Specialization in African Studies<sup>1</sup>

The student must complete the requirements for *one* of the three options. Each option 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.**

### BROAD OPTION (Option A):

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.



**SOCIAL SCIENCE**  
**Specialization in Asian Studies**

At least 3 credits from the Independent Study, Research, and Fieldwork section.

**LANGUAGE EMPHASIS OPTION (Option B):**

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.

**LANGUAGE PROFICIENCY OPTION (Option C):**

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 two full academic years.

**1. General Core Courses**

	CREDITS
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
IAH 211A Area Studies and Multicultural Civilizations: Africa (I) <sup>2</sup>	4
IAH 211C Area Studies and Multicultural Civilizations: The Americas (D) <sup>2</sup>	4
ISS 330A Africa: Social Science Perspectives (I) <sup>2</sup>	4
ISS 330C Latin America: Social Science Perspectives (I) <sup>2</sup>	4
MC 324B Regional Politics, Cooperation, and Conflict in Sub-Saharan Africa	4
MC 492 Senior Seminar in International Relations (W) <sup>3</sup>	5
PLS 351 African Politics	3

**2. African Language Courses<sup>4</sup>**

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 <sup>3</sup>	3
ANP 450 African Archaeology	3
ANP 491 Topics in Anthropology <sup>3</sup>	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	4
HST 208 The African Experience	3
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) <sup>2</sup>	4
ISS 310 People and Environment (I) <sup>2</sup>	4
ISS 330A Africa: Social Science Perspectives (I) <sup>2</sup>	4
JRN 475 International News Media <sup>3</sup>	3

PLS 351 African Politics	3
REL 491 Special Topics in Religious Studies <sup>3</sup>	3

**Ecology, Demography, and Agriculture**

ANP 491 Topics in Anthropology <sup>2</sup>	3
ANS 480 Animal Systems in International Development <sup>2</sup>	3
EOP 260 World Food, Population and Poverty <sup>3</sup>	3
FOR 450 Forestry in International Development <sup>3</sup>	3
FSM 462 Agricultural Development in Less Developed Countries	3

GEO 338 Geography of Africa	3
GEO 435 Geography of Health and Disease <sup>3</sup>	3
ISS 310 People and Environment (I) <sup>2</sup>	4

**Socioeconomic Change and Development**

ANP 322 Peasants and Social Change in the Developing World <sup>3</sup>	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 <sup>3</sup>	4
SOC 215 Race and Ethnicity <sup>3</sup>	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 <sup>3</sup>	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) <sup>2</sup>	4

ISS 330C Latin America: Social Science Perspective (I) <sup>2</sup>	4
---	---

SOC 215 Race and Ethnicity <sup>3</sup>	3
---	---

**4. Independent Study, Research, and Fieldwork**

Three to five credits in a course that is related to one of the following activities:

- a. a research paper based on library research on or field work in Africa (3 credits).
- b. community outreach activities on Africa-related projects in Michigan (3 credits).
- c. an internship or field work related to Africa, or study in Africa (3 to 5 credits).

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

<sup>2</sup> 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.

<sup>3</sup> 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 adviser for African studies has approved the counting of the related credits toward the requirements for the specialization.

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

Upon completion of the requirements for the Specialization in African Studies as specified by the undergraduate adviser for African studies, the student should contact that adviser and request certification for the completion of the specialization. After the certification is approved by the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

**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.

**SOCIAL SCIENCE**  
**Specialization in Asian Studies**

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 adviser.

The Specialization in Asian Studies provides an opportunity for students to create a multidisciplinary specialty with Asia as the focus. The undergraduate adviser 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 adviser for Asian Studies.

**Requirements for the Specialization in Asian Studies<sup>1</sup>**

1. The student must complete *one* of the following options.

	CREDITS
a. <b>Option A: Language Emphasis</b> (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. <b>Option B: General Emphasis</b> (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 Option A or Option B are listed below:	
a. <b>Core courses</b> (select one):	
IAH 211B Area Studies and Multicultural Civilizations: Asia (I) <sup>2</sup> . . . . .	4
IAH 211C Area Studies and Multicultural Civilizations: The Americas (D) <sup>2</sup> . . . . .	4
ISS 210 Society and Individual (D) <sup>2</sup> . . . . .	4
ISS 315 Global Diversity and Interdependence (I) <sup>2</sup> . . . . .	4
ISS 330B Asia: Social Science Perspectives (I) <sup>2</sup> . . . . .	4
TCC 305 Growing Up and Coming of Age in Three Societies (D) . . . . .	3
b. <b>Language courses</b> (see Option A or Option B 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 <sup>3</sup> . . . . .	5
CHS 102 Elementary Chinese II <sup>3</sup> . . . . .	5
CHS 105 Introductory Chinese with Business Emphasis . . . . .	5
CHS 201 Second-Year Chinese I <sup>3</sup> . . . . .	5
CHS 202 Second-Year Chinese II <sup>3</sup> . . . . .	5
CHS 301 Third-Year Chinese I <sup>3</sup> . . . . .	4
CHS 302 Third-Year Chinese II <sup>3</sup> . . . . .	4
CHS 350 Studies in the Chinese Language . . . . .	3
CHS 401 Fourth-Year Chinese I <sup>3</sup> . . . . .	3
CHS 402 Fourth-Year Chinese II <sup>3</sup> . . . . .	3
CHS 499 Senior Thesis Research . . . . .	1 to 4
JPN 101 Elementary Japanese I <sup>3</sup> . . . . .	5
JPN 102 Elementary Japanese II <sup>3</sup> . . . . .	5
JPN 111 Elementary Japanese I A . . . . .	3
JPN 112 Elementary Japanese I B . . . . .	3
JPN 113 Elementary Japanese II A . . . . .	3
JPN 114 Elementary Japanese II B . . . . .	3
JPN 201 Second-Year Japanese I <sup>3</sup> . . . . .	5
JPN 202 Second-Year Japanese II <sup>3</sup> . . . . .	5
JPN 301 Third-Year Japanese I <sup>3</sup> . . . . .	4
JPN 302 Third-Year Japanese II <sup>3</sup> . . . . .	4
JPN 350 Studies in the Japanese Language . . . . .	3
JPN 401 Fourth-Year Japanese I <sup>3</sup> . . . . .	3
JPN 402 Fourth-Year Japanese II <sup>3</sup> . . . . .	3
JPN 499 Senior Thesis Research . . . . .	1 to 4
c. <b>Thematic Concentration courses</b> (see Option A or Option B for credit requirement):	
Department of Anthropology	
ANP 201 Sociocultural Diversity <sup>4</sup> . . . . .	3
ANP 414 Anthropology of South Asia . . . . .	3
ANP 415 China: Culture and Society . . . . .	3
Department of Art and Art History	
HA 260 East Asian Art . . . . .	3
HA 462 The Arts of China . . . . .	4
HA 463 Japanese Arts . . . . .	4
Department of Economics	

EC 340 Survey of International Economics <sup>4</sup> . . . . .	3
EC 385 International Labor Market Policy and Labor Relations <sup>4</sup> . . . . .	3
EC 410 Issues in Economics of Developing Countries <sup>4</sup> . . . . .	3
EC 413 Economic Analysis of Asia . . . . .	3
Department of English	
ENG 352 Asian American Writing . . . . .	3
ENG 360 Postcolonial Literature and Theory <sup>4</sup> . . . . .	3
ENG 361 Asian Literature in English or in English Translation . . . . .	3
ENG 370 Film and Society <sup>4</sup> . . . . .	4
ENG 436B Comparative Fiction: Non-Western <sup>4</sup> . . . . .	3
ENG 464 Studies in the Literature of Asia and the Asian Diaspora (W) . . . . .	3
ENG 471 Third World Cinema <sup>4</sup> . . . . .	4
ENG 477C Comparative Epic: The Eastern Tradition . . . . .	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 <sup>4</sup> . . . . .	3
HED 471 International Buying and Product Development <sup>1</sup> . . . . .	3
HED 479 Human Resources in International Merchandising Management <sup>4</sup> . . . . .	3
<b>James Madison College</b>	
MC 220 International Relations I: World Politics and International Security <sup>4</sup> . . . . .	4
MC 320 Politics, Society and Economy in the Third World <sup>4</sup> . . . . .	4
MC 324D Regional Politics, Cooperation and Conflict in Asia . . . . .	4
MC 492 Senior Seminar in International Relations <sup>1</sup> (W) . . . . .	4
School of Music	
MUS 425 Music of South Asia and Its Diaspora . . . . .	2
MUS 427 Music of Asia, the Pacific, and the Near East . . . . .	2
MUS 429 Music of East and Southeast Asia . . . . .	2
Department of Philosophy	
PHL 312 Chinese Philosophy . . . . .	3
Department of Political Science	
PLS 342 Comparative Political Economy <sup>4</sup> . . . . .	3
PLS 344 Politics in the Third World <sup>4</sup> . . . . .	3
PLS 353 Politics of Japan . . . . .	3
PLS 354 Politics of Asia . . . . .	3
PLS 355 Korean Politics . . . . .	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
REL 357 Religion and Society in Bali . . . . .	4
REL 440 Topics in South Asian Religions (MTC) . . . . .	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 adviser 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.

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

<sup>2</sup> This course may also be used to satisfy University requirements.

<sup>3</sup> 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 Option B.

<sup>4</sup> Allowable when taught with substantial Asian content.

Upon completion of the requirements for the Specialization in Asian Studies as specified by the undergraduate adviser for Asian studies, the student should contact that adviser and request certification for the completion of the specialization. After the certification is approved by the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it

was completed. This certification will appear on the student's transcript.

**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 adviser 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 adviser 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 adviser 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.	

Upon completion of the requirements for the Specialization in Canadian Studies as approved by both the adviser for Canadian studies and the Associate Dean in the College of Social Science, the student should contact the adviser for Canadian studies and request certification for the completion of the specialization. After the certification is approved by the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

**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 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 adviser 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 adviser 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 <b>excluding</b> any credits in courses that are used to satisfy the <b>Foreign Language Proficiency</b> requirement referenced in item 2, below. Not more than 4 of the 18 credits may be in 200-level courses.	
2. <b>Foreign Language Proficiency:</b> Demonstrate proficiency in a modern foreign language equivalent to four semesters of study at the university level. The results of the MSU 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. <b>Conceptual/Descriptive Courses:</b> Complete at least <b>one</b> 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
EEP 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. <b>Applied Courses:</b> Complete at least <b>one</b> of the following courses that is a field <b>other than</b> 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



**SOCIAL SCIENCE**  
**Specialization in International Development**

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  | 3 |
| 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:
- An overseas field experience or internship in one of the four geographic areas listed in item 5. above.
  - A domestic internship that involves working on local development issues.
  - 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.

Upon completion of the requirements for the Specialization in International Development as specified by the undergraduate adviser for international development, the student should contact the Dean of the College of Social Science and request certification for the completion of the specialization. After the certification is approved by the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

**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 Carib-

bean, 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 adviser for Latin American and Caribbean studies in the College of Social Science, located in Room 206 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 adviser for Latin American and Caribbean studies.

**Requirements for the Specialization in Latin American and Caribbean Studies**

The student must meet the requirements specified below:

- |   | CREDITS |
|---|---------|
| 1. Demonstrate proficiency in Spanish or Portuguese equivalent to two years of study at the university level. The results of the MSU foreign language placement test will be considered in determining whether or not the student has fulfilled this requirement.   |         |
| 2. Complete a minimum of 20 credits in courses from at least <i>three</i> of the departments listed below:  |         |
| Department of Anthropology  |         |
| ANP 322 Peasants and Social Change in the Developing World  | 3       |
| ANP 410 Revolution and Social Change in Latin America   | 3       |
| ANP 412 Social and Cultural Status of Latinos in the U.S.   | 3       |
| ANP 453 Mesoamerican Prehistory   | 3       |
| To be counted toward the requirements for the specialization, the content of Anthropology 322 must be specifically related to or focused on Latin America or the Caribbean.   |         |
| 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 381 Latin America since 1820  | 3       |
| HST 382 History of Brazil since 1822  | 3       |
| HST 383 History of the Caribbean since 1500   | 3       |
| HST 384 History of Mexico since 1810  | 3       |
| HST 385 Modern Spanish Central and South America  | 3       |
| James Madison College   |         |
| MC 320 Politics, Society and Economy in the Third World   | 4       |
| MC 324C Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean   | 4       |
| To be counted toward the requirements for the specialization, the content of James Madison College 320 must be specifically related to or focused on Latin America or the Caribbean.  |         |
| Department of Romance and Classical Languages   |         |
| PRT 340 Topics in Luso-Brazilian Language and Culture   | 3       |
| SPN 346 Hispanic Cultures of the United States  | 3       |
| SPN 415 Survey of Spanish-American Literature I   | 3       |
| SPN 416 Survey of Spanish-American Literature II  | 3       |
| SPN 475 Spanish American Literature through the 19th Century  | 3       |
| SPN 480 Spanish American Literature of the 20th Century   | 3       |
| SPN 485 Topics in Hispanic Literatures of the Americas  | 3       |
| 3. Complete at least 10 additional credits from the courses listed in item 2. above. With the approval of the undergraduate adviser for Latin American and Caribbean studies, a maximum of 6 credits in other courses having substantial Latin American or Caribbean content may be used to satisfy this requirement. |         |
| 4. Complete at least two semesters of independent study in courses approved by the undergraduate adviser for Latin American and Caribbean Studies.  |         |

Upon completion of the requirements for the Specialization in Latin American and Caribbean Studies as specified by the undergraduate adviser for Latin American and Caribbean studies, the student should contact the Dean of the College of Social Science and request certification for the completion of the specialization. After the certification is approved by the Dean of the College of

Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

**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 (1) Coordinator of the Chicano/Latino specialization (105 Paolucci Building) and (2) the undergraduate adviser for Chicano/Latino studies in the College of Social Science, (202 South Kedzie Hall). The Coordinator, in conjunction with the adviser assist 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 adviser 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 adviser. 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 adviser.
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 adviser 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 adviser 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.

Upon completion of the requirements for the Specialization in Chicano/Latino Studies as approved by the Coordinator and the adviser, and the Associate Dean of the College of Social Science, the student should contact the adviser for Chicano/Latino studies and request certification for the completion of the specialization. After the certification is approved by the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

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

The undergraduate adviser 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 adviser 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 adviser 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.



## SOCIAL SCIENCE

### Specialization in Peace and Justice Studies

- 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 adviser 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.

Upon completion of the requirements for the Specialization in Peace and Justice Studies, the student should contact the undergraduate adviser for Peace and Justice Studies and request certification for the completion of the specialization. After the certification is approved by the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date it was completed. This information will appear on the student's transcript.

## TEACHER CERTIFICATION OPTIONS

Teacher certification can be attained through the Economics or Interdisciplinary Studies in Social Science (IDS) major. Students who elect the IDS major for teacher certification must contact the Interdisciplinary Studies in Social Science office; those who elect the Economics major must contact the Department of Economics.

The following minors in the College of Social Science also are available for teacher certification: anthropology, economics, geography, 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 Labor Relations and Human Resources, Master of Public Administration, 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 MSU-Detroit 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.

Several units within the College offer their graduate students degree programs jointly with Urban Studies (see department and school sections below). For information about the following interdisciplinary specializations and degree programs, see the referenced section of this catalog. The College of Social Science is lead sponsor of:

- (1) 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)

- (2) Specialization in Infant Studies, 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)
- (3) Specialization in International Development, for all master's or doctoral students at MSU (see statement on this specialization, below)
- (4) Interdepartmental Specialization in Cognitive Science, for master's or doctoral students in Geography or Psychology (see statement on this specialization, below)

The College of Social Science is a co-sponsor of:

- (1) Interdepartmental Specialization in Nonprofit Sector Policy and Administration, for all master's or doctoral students at MSU (see statement on this specialization in the *Department of Political Science* section)
- (2) Interdepartmental Graduate Specialization in Ecology, Evolutionary Biology and Behavior for master's students in Anthropology or Psychology (see statement on this specialization in the *College of Natural Science* section)
- (3) 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)
- (4) Specialization in Food Safety for master's students in Sociology (see statement on this specialization in the *College of Veterinary Medicine* section)
- (5) Interdepartmental Ph.D. degree program in Neuroscience (see statement on this doctoral program in the *College of Natural Science* section)
- (6) 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)
- (7) 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)

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 Labor Relations and Human Resources	School of Labor and Industrial Relations
Master of Science	Department of Geography, School of Criminal Justice
Master of Public Administration	Department of Political Science
Master of Social Work	School of Social Work
Master in Urban and Regional Planning	Department of Geography

### 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. An interdisciplinary Ph.D. degree program at the college level is offered with concentrations in Industrial Relations and Human Resources. Students interested in these concentrations should communicate with the director or coordinator of the appropriate program or with the Associate Dean for Academic and Student Affairs, 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.

## CENTER for INTEGRATIVE STUDIES in SOCIAL SCIENCE

### Assefa Mehretu, 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.

## 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. Many faculty in the College participate in interdisciplinary research focused on scholarly and public concerns shared by several related disciplines. For these reasons, the College offers a broadly based, coherent, multidepartmental, undergraduate major in interdisciplinary social science.

The interdisciplinary studies in social science major consists of 42 required credits including an 18-credit disciplinary cognate and a 24-credit interdisciplinary concentration. The following disciplinary cognates are available to students in the major: anthropology, economics, geography, political science, psychology, or sociology. The **eight** interdisciplinary concentrations that are available to students in the major are described below:

1. **Community Relations.** In this concentration, students investigate the organizational, environmental, cultural, public policy, and socioeconomic forces that define, characterize, shape, and reshape contemporary communities. This concentration is designed for students who plan to pursue careers or advanced study in public and municipal administration, human services, social work, and urban planning.
2. **Environmental Policy.** In this concentration, students pursue a wide variety of interests including environmental law, resource ecology, social impact study, policy analysis, geomorphology, and natural resource development and management.

Students in this concentration may elect to participate in MSU's living-learning environmental studies residential program. Students in this program enroll in numerous courses

**SOCIAL SCIENCE**  
**Interdisciplinary Studies in Social Science**

- on the environment. They also participate in a variety of academic enrichment and social activities with faculty who are associated with the program.
3. **Health Studies.** In this concentration, students explore areas of interest such as organizational and institutional analysis of health care providers and delivery systems, social-cultural dimensions of health care, and the economics of health care. This concentration is designed for students who plan to pursue careers or advanced study in medicine, allied health fields, public health, medical industries, health care administration, and public administration.
  4. **Human Aging.** In this concentration, students study demographic shifts in the United States that have led to a population growing ever older. As Americans live longer, they often require more health-related services and other kinds of services in contrast to younger people. This concentration is designed for students who plan careers related to the direct care of older persons. Sites for direct care include nursing homes, hospitals, senior citizen community centers, and retirement communities.
  5. **Human Resources and Society.** In this concentration, students pursue interests in the dynamics of human resources in, and other social and behavioral factors related to, the study of the workplace and the community. Issues such as inequality, pluralism, race, ethnicity, and gender are addressed.
  6. **International Studies.** In this concentration, students pursue interests in international relations, international economic and social development, selected major world areas, or other topical and thematic issues in which the social sciences contribute understanding to concerns involving several nations and the comparative study of societies and cultures around the world.
  7. **Law and Society.** In this concentration, students may emphasize preparation for law school, for graduate study, for careers related to law and the justice system, or for careers in the public, private, and nonprofit sectors.
  8. **Public Policy Studies.** In this concentration, students examine public policy issues and concerns from several analytical and theoretical perspectives. They also examine policy-making processes in a variety of organizational contexts. This concentration is designed for students who plan to pursue policy-related careers in the public, private, and nonprofit sectors. The concentration is also designed for students who plan to pursue advanced degrees in public policy, public administration, urban planning, and law. Particular emphasis is placed on analytical, quantitative, and research design skills.

**Business Emphasis.** An optional emphasis in business within the interdisciplinary social science major is available. For additional information, refer to the statement on the Business Emphasis listed below.

Academic advisers in the College's Interdisciplinary Studies office in South Kedzie Hall assist students in developing individualized programs of study, taking into consideration students' interests and career or educational objectives. Students are required to consult with one of these academic advisers on enrollment in the major and once a year thereafter. Each student's program of study, and any changes in the program, must be ap-

proved in writing by an academic adviser in the Interdisciplinary Studies office.

To meet both the disciplinary cognate requirement and the interdisciplinary concentration requirement, students select courses from extensive lists of courses that are periodically reviewed and revised by College faculty. Those lists are available in the Interdisciplinary Studies office.

**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 *one* of the Tier II writing courses that are identified in item a. below or *one* of the clusters of courses that are identified in item b. below. The course or cluster must be included in the student's **Disciplinary Cognate** or **Interdisciplinary Concentration** referenced, respectively, in items 3. a. and 3. b. below:
  - a. One of the following Tier II writing courses: Political Science 420, 440, 460, 461, 470, 480; Psychology 401, 402, 414, 442, 455; Social Science 499; Urban Planning 343, 365.
  - b. One of the following clusters of courses:
    - (1) Two of the following five Anthropology courses: 320, 370, 412, 422, 429.
    - (2) Two of the following four Geography courses: 335, 336, 337, 338.
    - (3) Two of the following five Sociology courses: 321, 322, 330, 424, 452.
2. The graduation requirements of the College of Social Science for the Bachelor of Arts or Bachelor of Science degree. Credits in certain courses referenced in requirement 3. below may also be counted toward requirement I.C.1. or requirement II.D.1. under the heading **Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees** in the College's statement. Students should consult with an academic adviser in the Interdisciplinary Studies office concerning courses that are strongly recommended for completing requirements I. A. and B.; or requirements II. A., B., and C.; under the heading **Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees** in the College's statement.
3. The following requirements for the major:

	CREDITS
a. Disciplinary Cognate: . . . . .	18
A minimum of 18 credits in courses in <i>one</i> of the following six disciplines: anthropology, economics, geography, political science, psychology, or sociology. <sup>1,2</sup> The courses that are used to satisfy the Disciplinary Cognate requirement must be selected from a list of approved courses that is available in the Interdisciplinary Studies office. At least one introductory course, one course in methodology, and two 300–400 level courses must be included in the Disciplinary Cognate.	
b. Interdisciplinary Concentration: . . . . .	24
A minimum of 24 credits in <i>one</i> of the eight Interdisciplinary Concentrations referenced below. At least 12 credits in courses in the College of Social Science, at least two courses in each of two different departments or schools, at least 12 credits in 300–400 level courses, and at least two 400-level courses must be included in the Interdisciplinary Concentration.	
Community Relations (24 credits):	
(1) At least two of the following seven courses (6 or 7 credits):	
EC 335 Taxes, Government Spending and Public Policy . . . . .	3
GEO 413 Urban Geography . . . . .	3
PLS 302 Urban Politics . . . . .	3
PLS 310 Public Bureaucracy in the Policy Process . . . . .	3
SOC 361 Contemporary Communities . . . . .	3
SW 320 Social Work and Social Policy I. . . . .	3
UP 201 The Role of Planning in Urban and Regional Development . . . . .	4
(2) Additional credits in approved courses (18 credits). <sup>1,2</sup> The additional courses that are used to satisfy the Community Relations Interdisciplinary Concentration must be selected from a list of approved courses that is available in the Interdisciplinary Studies office. Included in this list is GBL 323 Introduction to Business Law (3 credits).	
Environmental Policy (24 credits):	
(1) At least two of the following six courses (6 or 7 credits):	
EC 335 Taxes, Government Spending and Public Policy . . . . .	3
PLS 313 Public Policy Analysis . . . . .	3
PLS 324 American Legislative Process . . . . .	3
RD 320 Resource Management and Planning . . . . .	3



- SOC 452 Environment and Society . . . . . 3  
UP 353 Land Use Planning . . . . . 4  
(2) Additional credits in approved courses (18 credits).<sup>1,2</sup> The additional courses that are used to satisfy the Environmental Policy Interdisciplinary Concentration must be selected from a list of approved courses that is available in the Interdisciplinary Studies office.

**Health Studies (24 credits):**

- (1) At least two of the following seven courses (6 credits):  
ANP 370 Culture, Health, and Illness . . . . . 3  
EC 335 Taxes, Government Spending and Public Policy . . . . . 3  
EC 498 Economics of Health Care . . . . . 3  
GEO 435 Geography of Health and Disease . . . . . 3  
PLS 313 Public Policy Analysis . . . . . 3  
PSY 320 Health Psychology . . . . . 3  
SOC 475 Sociology of Health Care Systems . . . . . 3  
(2) Additional credits in approved courses (18 credits).<sup>1,2</sup> The additional courses that are used to satisfy the Health Studies Interdisciplinary Concentration must be selected from a list of approved courses that is available in the Interdisciplinary Studies office. Included in this list is MGT 325 Management Skills and Processes (3 credits).

**Human Aging (24 credits):**

- (1) The following course (3 credits):  
SSC 493 Social Science Internship . . . . . 3  
(2) At least two of the following six courses (6 credits):  
FCE 413 Adult Development and the Family: Middle and Later Years . . . . . 4  
ISS 210 Society and the Individual (D) . . . . . 4  
PHL 344 Ethical Issues in Health Care . . . . . 4  
PSY 401 Memory and Skill (W) . . . . . 3  
PSY 409 Psychobiology of the Life Span (W) . . . . . 3  
(3) Additional credits in approved courses (15 credits).<sup>1,2</sup> The additional courses that are used to satisfy the Human Aging Interdisciplinary Concentration must be selected from a list of approved courses that is available in the Interdisciplinary Studies office. Included in this list is GBL 323 Introduction to Business Law (3 credits).

**Human Resources and Society (24 credits):**

- (1) At least two of the following six courses (6 credits):  
EC 380 Labor Relations and Labor Market Policy . . . . . 3  
EEP 453 Women and Work: Issues and Policy Analysis . . . . . 3  
PLS 310 Public Bureaucracy in the Policy Process . . . . . 3  
PSY 255 Industrial and Organizational Psychology . . . . . 3  
SOC 322 Sociology of Work . . . . . 3  
SOC 330 Social Stratification . . . . . 3  
(2) Additional credits in approved courses (18 credits).<sup>1,2</sup> The additional courses that are used to satisfy the Human Resources and Society Interdisciplinary Concentration must be selected from a list of approved courses that is available in the Interdisciplinary Studies office. Included in this list are: ACC 230 Survey of Accounting Concepts (3 credits); FI 320 Introduction to Finance (3 credits); GBL 323 Introduction to Business Law (3 credits); MGT 315 Managing Human Resources and Organizational Behavior (3 credits); MGT 325 Management Skills and Processes (3 credits); and MSC 327 Introduction to Marketing (3 credits).

**International Studies (24 credits):**

- (1) At least two of the following six courses (6 credits):  
ANP 201 Sociocultural Diversity . . . . . 3  
EC 340 Survey of International Economics . . . . . 3  
GEO 113 Introduction to Economic Geography . . . . . 3  
PLS 342 Comparative Political Economy . . . . . 3  
PLS 344 Politics in the Third World . . . . . 3  
SOC 362 Developing Societies . . . . . 3  
(2) Additional credits in approved courses (18 credits).<sup>1,2</sup> The additional courses that are used to satisfy the International Studies Interdisciplinary Concentration must be selected from a list of approved courses that is available in the Interdisciplinary Studies office.  
(3) Second-year competency in a foreign language. The requirement may be satisfied by placing into a 300-level foreign language course based on a MSU placement test.

**Law and Society (24 credits):**

- (1) At least two of the following six courses (6 credits):  
EC 360 Private Enterprise and Public Policy . . . . . 3  
HST 318 United States Constitutional History . . . . . 3  
PHL 354 Philosophy of Law . . . . . 3  
PLS 320 The American Judicial Process . . . . . 3  
PLS 321 American Constitutional Law . . . . . 3  
SOC 361 Contemporary Communities . . . . . 3  
(2) Additional credits in approved courses (18 credits).<sup>1,2</sup> The additional courses that are used to satisfy the Law and Society Interdisciplinary Concentration must be selected from a list of approved courses that is available in the Interdisciplinary Studies office. Included in this list are: ACC 230 Survey of Accounting Concepts (3 credits); FI 320 Introduction to Finance (3 credits); and GBL 323 Introduction to Business Law (3 credits).

**Public Policy Studies (24 credits):**

- (1) At least two of the following six courses (6 credits):

- EC 335 Taxes, Government Spending and Public Policy . . . . . 3  
PHL 350 Moral and Political Issues . . . . . 3  
PLS 310 Public Bureaucracy in the Policy Process . . . . . 3  
PLS 313 Public Policy Analysis . . . . . 3  
SOC 331 Political Sociology . . . . . 3  
SOC 424 Complex Organizations . . . . . 3  
(2) Additional credits in approved courses (18 credits).<sup>1,2</sup> The additional courses that are used to satisfy the Public Policy Studies Interdisciplinary Concentration must be selected from a list of approved courses that is available in the Interdisciplinary Studies office. Included in this list is GBL 323 Introduction to Business Law (3 credits).

**Business Emphasis**

A minimum of 15 credits is required for the Business Emphasis that 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.

This optional emphasis is recommended strongly for students enrolled in any of the above-listed interdisciplinary concentrations. Business emphasis students will be able to enroll in courses offered in the Eli Broad College of Business. These courses provide a basic understanding of the forces and operations that shape and govern the character of contemporary business practice.

The Business Emphasis can be a valuable supplement and/or complement to any of the interdisciplinary concentrations in the interdisciplinary studies in social science major. Therefore, credits earned in these courses may be applied to 3.a. and 3.b. above, if approved by the student's academic adviser.

Many employers in the public and private sectors and many graduate school programs in business, health care administration, labor and industrial relations, law, public policy, and urban affairs are especially interested in interdisciplinary studies students who have included a significant amount of business-related course work in their undergraduate degree programs.

To enroll in the business emphasis, students must meet with an interdisciplinary studies adviser in order to file a program completion form.

**Requirements for the Business Emphasis**

1. A minimum of 15 credits. . . . . 15
2. Both of the following courses (6 credits):  
ACC 230 Survey of Accounting Concepts . . . . . 3  
EC 201 Introduction to Microeconomics . . . . . 3
3. Three of the following courses (9 credits):  
EC 202 Introduction to Macroeconomics . . . . . 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

<sup>1</sup> The Tier II writing course or the cluster of courses that is used to satisfy the University's Tier II writing requirement for the Interdisciplinary Studies in Social Science major referenced in item 1. above must be included in the student's **Disciplinary Cognate** or **Interdisciplinary Concentration**.

<sup>2</sup> Courses in the discipline that is selected to meet the **Disciplinary Cognate** requirement may *not* be included in the additional courses that the student selects from a list of approved courses to complete the requirements for an **Interdisciplinary Concentration**.

<sup>3</sup> Students must meet with an interdisciplinary studies adviser to determine if individual courses may be applied to more than one degree program requirement.

After the student has completed the requirements for the Bachelor of Arts or Bachelor of Science degree with a major in interdisciplinary studies in social science, an academic adviser in the Interdisciplinary Studies office will initiate the certification of the completion of one of the eight Interdisciplinary Concentrations referenced above. After the certification is approved by the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the concentration and the date that it was completed. This certification will appear on the student's transcript.

Students who have fulfilled the requirements for the Business Emphasis, will also receive a business emphasis certificate prepared by the Interdisciplinary Studies in Social Science program.

**TEACHER CERTIFICATION OPTION**

The interdisciplinary studies in social science major leading to the Bachelor of Arts or Bachelor of Science degree is available for teacher certification.

Students with an interdisciplinary studies in social science disciplinary major must complete the following additional disciplinary requirements: a minimum of 36 credits in courses in economics, geography, history, and political science combined and a minimum of two courses in each of those disciplines; those courses must be approved in advance by the College of Social

**SOCIAL SCIENCE**  
**Interdisciplinary Studies in Social Science**

Science. The approved courses may also be used to satisfy the requirements referenced in item 3. under the heading *Requirements for the Bachelor of Arts or Bachelor of Science Degree in Interdisciplinary Studies in Social Science*, as well as the requirements for teacher certification.

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

**GRADUATE PROGRAM**

In cooperation with the School of Labor and Industrial Relations, the School of Social Work, and the urban and regional planning faculty in the Department of Geography, the College of Social Science offers a Master of Arts degree program with a major in interdisciplinary studies in social science: global applications. The program is designed for international mid-career specialists, managers, and executives who are employed in the public and private sectors in various large-scale, national-level organizations that involve globalization in multilingual situations. The objective of the program is to provide an opportunity for individuals to study the way applied fields of social science may contribute to the resolution of problems that are created by rapid economic globalization. The program focuses on the areas of public housing and urban planning, social service delivery, and labor and industrial relations. The program, which requires full-time study for a period of one year (two semesters and one summer), is available only under Plan B (without thesis).

The Associate Dean for Academic and Student Affairs in the College has administrative responsibility for the Master of Arts degree program with a major in interdisciplinary studies in social science: global applications. The Associate Dean confers with an advisory committee composed of representatives of the faculty in labor and industrial relations, social work, and urban and regional planning on student admissions and program requirements. A program coordinator assists students in planning their programs of study.

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 in interdisciplinary studies in social science: global applications, an applicant must:

1. Be employed full-time in the public or private sector as an international mid-level specialist, manager, or executive in a large-scale, national-level organization that involves globalization in multilingual situations.
2. Be nominated by his or her employing organization. The employing organization must submit to the College a statement to the effect that if the applicant is admitted to the program the applicant would be granted a one-year absence from the organization and the organization would sponsor the applicant while he or she is enrolled in the program.
3. Take the Graduate Record Examination (GRE) General Test and have the scores submitted to the College.
4. Submit to the College a statement that addresses the applicant's:
  - a. reasons for applying for admission to the program.
  - b. willingness to pursue the program full-time during a one-year absence from his or her employing organization and willingness to meet the residence requirement for the program on MSU's East Lansing campus during that year, if he or she is admitted to the program.

To be admitted to the master's degree program in interdisciplinary studies in social science: global applications on regular status, an applicant must have:

1. Completed a bachelor's degree with an acceptable record from a recognized educational institution. Although the field of undergraduate study is not critical for acceptance, an applicant should have completed at least 12 credits in the social sciences.
2. Professional experience acceptable to the College.
3. Demonstrated to the satisfaction of the College quantitative skills (typically algebra or introductory calculus, and statistics) and computer competence sufficient for completing master's level methods courses in the social sciences.
4. Demonstrated to the satisfaction of the College advanced competence in a language other than English.

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 by having a total score of 580 (paper version) or 237 (computer version) or above on the **Test of English as a Foreign Language** and having the approval of the English Language Center.

However, meeting the minimum standards referenced above does not guarantee admission to the program. Admission to the program is determined by a careful case-by-case review of each applicant's credentials. Particular emphasis is given to the applicant's grade-point average during the junior and senior years of the undergraduate program, scores on the GRE, and statement of objectives.

A cumulative grade-point average of 3.00 or higher for the undergraduate program of study is preferred for admission on regular status. However, an applicant with a grade-point average below 3.00 may be admitted if other components of the application are especially strong.

**Requirements for the Master of Arts Degree in Interdisciplinary Studies in Social Science: Global Applications**

The student must complete a total of 30 credits under Plan B in a program of study developed in consultation with the program coordinator and approved in advance by the Associate Dean. The student's program of study must ensure exposure to the concerns of labor and industrial relations, social work, and urban and regional planning and must include:

	CREDITS
1. At least 21 credits in courses in the College of Social Science.	
2. Core.	
a. The following course:	
SW 821 Social Welfare Policy and Service Delivery Systems . . . . .	2
b. One of the following courses:	
LIR 824 Human Resource Strategies and Decisions . . . . .	3
LIR 858 Collective Bargaining . . . . .	3
c. One of the following courses:	
UP 801 Concepts and Issues in Planning and Development . . . . .	4
UP 823 Urban Land Management . . . . .	4
3. Concentration: Six to 9 credits in <i>one</i> of the following three concentrations. A list of approved courses for each of the concentrations is available from the College.	
Concentration A: Human Resource Development/Industrial Relations	
Concentration B: Comparative Human Service Programs	
Concentration C: Urban and Regional Development	
4. Guided Electives: Six to 9 credits in courses from the following departments within the College: Anthropology, Criminal Justice, Geography, Political Science, Psychology, and Sociology. With the approval of the Associate Dean, credits in courses that are administered by other academic units may be used to satisfy this requirement.	
5. Field Experience: Three credits in an internship, practicum experience, or field experience while enrolled on the East Lansing campus. The related course must be approved in advance by the Associate Dean. A policy paper or report based on the field experience is required.	
6. Additional Electives: Three credits in an additional internship, practicum, or field experience; in independent study; or in an experiential learning opportunity. The related course must be approved in advance by the Associate Dean.	

## Academic Standards

Students are expected to maintain a minimum grade–point average of 3.00 each semester, in addition to maintaining a cumulative grade–point average of 3.00.

# 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; Resource Development; Sociology; Statistics and Probability; Telecommunication; 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 advisers 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–com-

promising 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, handicappment, 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



## SOCIAL SCIENCE

### Interdepartmental Graduate Specializations in Applied Developmental Science

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 stu-

dent'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 responsibility 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 Psychol-

ogy 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
<b>Human Development Focus</b>	
ANP 820 Language and Cultural Meaning . . . . .	4
FCE 801 Family Ecosystems . . . . .	3
PSY 844 Developmental Psychology of Women . . . . .	3
SOC 863 Community Theory and Research . . . . .	3
<b>Assessment and Evaluation Focus</b>	
ASC 823E Assessment of Child 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
<b>Theory Focus</b>	
AEC 861 Agriculture and 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
<b>Diversity and Context Focus</b>	
ANP 820 Language and Cultural Meaning . . . . .	4
ANP 830 Kinship Studies . . . . .	3
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.

<b>Multivariate Analysis</b>	
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
<b>Qualitative Analysis</b>	
FCE 980 Advanced Research Methods (MTC) . . . . .	3
HM 810 Introduction to Descriptive and Analytical Epidemiology . . . . .	3
HM 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.	
<b>Systems Analysis</b>	
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
<b>Survey and Field Methods</b>	
AEC 891C 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 . . . . .	4
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
<b>Research Methods</b>	

ASC 803 Research Methods in Communication Sciences and Disorders . . . . .	3
CEP 933 Quantitative Methods in Educational Research . . . . .	4
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
NUR 507 Research Methods in Health Care . . . . .	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
PSY 815 Quantitative Research Design and Analysis in Psychology . . . . .	4
PSY 817 Psychometric Methods . . . . .	4
UP 813 Quantitative Methods for Urban Planning . . . . .	3
UP 814 Applied Research Methods for Planning and Development . . . . .	3

Upon completion of the requirements for the degree program and of the Interdepartmental Graduate Specialization in Applied Developmental Science, the student should contact the administrator of the department, school, or college in which he or she is enrolled and request certification for the completion of the specialization. After the certification is approved by the administrator of the department, school or college in which the student is enrolled and by the Dean of the College of Social Science, the Office of the Registrar will enter on the student’s academic record the name of the specialization and the date that it was completed. This certification will appear on the student’s transcript.

**INTERDEPARTMENTAL GRADUATE SPECIALIZATION IN INFANT STUDIES**

The Interdepartmental Graduate Specialization in Infant Studies are available as electives for students who are enrolled in the 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 this specialization. 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 programs in the College of Human Medicine and the College of Osteopathic Medicine must meet the requirements for the specialization that are specified for master’s students on Plan B.

The quality of life during the first three 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.

Research, clinical service, and educational programming directed at children during the first three years of life and their families require knowledge from many disciplines as well as opportunities to integrate this knowledge within a formal educational setting. The specialization is based on the philosophy that a transdisciplinary educational program is the appropriate preparatory experience for personnel who will work with infants and their families. The specialization is 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 infants and their families, and who pursue careers in

## SOCIAL SCIENCE

### Interdepartmental Graduate Specializations in Infant Studies

teaching and research relevant to the needs of infants and their families.

Persons who have been identified by the chairpersons, directors, and deans of the 12 participating academic units are members of the Infant Studies voting core faculty or associated faculty. The Coordinating Committee of the Infant Studies faculty is drawn from the core faculty and is appointed by the Dean of the College of Social Science. The faculty members who comprise the core faculty and associated faculty may change with the mutual consent of the administrators of the participating units upon recommendation of the Coordinating Committee. The chairperson of the Coordinating Committee is appointed by the Dean of the College of Social Science.

The Interdepartmental Graduate Specialization in Infant Studies are designed to:

1. Provide an opportunity for graduate students to obtain a comprehensive and contemporary academic experience in the field of human infancy.
2. Help graduate students with an interest in human infancy 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 human infancy, 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 Infant Studies must petition the Coordinating Committee for acceptance into the specialization. Students who wish to pursue the specialization should have a minimum grade–point average of 3.00 and should have taken the Graduate Record Examination (or its equivalent), including any Subject Test required by the student's academic unit.

To be accepted into the specialization, students must have been admitted to one of the degree programs referenced above and must have had preparation in experimental design and statistical analysis. If in the judgement of the Coordinating Committee additional academic preparation is appropriate, the student may be required to complete some collateral courses.

#### Requirements for the Specialization in Infant Studies

Although separate interdepartmental graduate specializations in infant studies 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 Coordinating

Committee of the Infant Studies faculty and who will represent the Infant Studies faculty on the committee. The same guidance committee that has responsibility 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 Coordinating Committee of the Infant Studies faculty and who will represent the Infant Studies 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 programs in the College of Human Medicine and the College of Osteopathic 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 specialization, the Chairperson of the Coordinating Committee will be responsible for establishing the students' guidance committees.

Students should work closely with their advisers within their academic units to develop meaningful experiences that are directly related to infant 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 Infant Studies are strongly encouraged to participate in twice monthly seminars with members of the Coordinating Committee and other students who are pursuing the specialization.

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 programs in the College of Human Medicine and the College of Osteopathic Medicine must meet the requirements for the specialization that are specified for master's students on Plan B.

#### Master's Students

The student must:

1. Complete 18 credits of course work as specified below.
2. Participate in a field experience that involves direct contact with infants. 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 Coordinating Committee of the Infant Studies faculty.

In addition to meeting the requirements referenced above, students on Plan A (with thesis) must complete a thesis that reflects the integration of the student's discipline and infant studies.

#### Doctoral Students

The student must:

1. Complete 18 credits of course work as specified below.
2. Participate in a field experience that involves direct contact with infants. 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 Coordinating Committee of the Infant Studies faculty.
3. Pass a written comprehensive examination.
4. Complete a dissertation that reflects the integration of the student's discipline and infant studies.



**Required Core Courses**

Group A: A minimum of 12 credits from the following courses:

		CREDITS
CEP	880 Individual Measurement: The Binet and Wechsler Scales . . .	3
FCE	814 Parenthood and Parent Education . . . . .	3
FCE	823 Infant Programs and Practices . . . . .	3
HNF	463 Nutrition and Human Development . . . . .	3
NUR	551 Impact of Chronic Illness on Young Children . . . . .	3
KIN	860 Growth and Motor Behavior . . . . .	3
PSY	845 Developmental Psychology: Infancy . . . . .	4
PSY	992 Seminar in Psychology . . . . .	3

Psychology 992 may be counted toward the requirements for the specialization only when the topic deals with infant studies.

Group B: A minimum of 6 credits from the following courses:

ANP	423 Psychological Anthropology . . . . .	3
ANP	470 Food, Hunger, and Society . . . . .	3
ANP	834 Medical Anthropology I: Overview . . . . .	3
ANP	843 Nutritional Anthropology . . . . .	3
ASC	823F Language Intervention: Early Stages . . . . .	3
CEP	826 Evaluation of Educational Programs and Policies . . . . .	3
CEP	894B School Psychology Practicum . . . . .	3
CEP	894D Practicum in Educational Psychology . . . . .	3
CEP	982 Seminar in Counseling, Educational Psychology and Special Education (MTC) . . . . .	3
HNF	375 Community Nutrition . . . . .	3
HNF	840 Human Nutrition and Chronic Diseases . . . . .	3
NUR	522 Family Clinical Nurse Specialist Practicum I . . . . .	4
NUR	524 Family Clinical Nurse Specialist Practicum II . . . . .	4
KIN	890 Independent Study in Physical Education and Exercise Science . . . . .	2
KIN	893 Internship in Physical Education and Exercise Science . . . . .	2
KIN	894 Field Experiences in Physical Education and Exercise Science . . . . .	2
KIN	990 Independent Study in Physical Education and Exercise Science . . . . .	2
PHD	523 Genetics for Medical Practice . . . . .	1
SOC	872 Social Psychology of Health Care . . . . .	3
SOC	873 Social Organization of Health and Medicine . . . . .	3
SW	471 Child Welfare . . . . .	3
SW	891A Social Work in Mental Health . . . . .	3

Counseling, Educational Psychology and Special Education 894B, 894D, and 982, Nursing 522 and 524, Kinesiology 890, 893, 894, and 990 may be counted toward the requirements for the specialization only when the topic deals with infant studies.

Upon completion of the requirements for the degree program and of the Interdepartmental Graduate Specialization in Infant Studies, the student should contact the administrator of the department, school, or college in which he or she is enrolled and request certification for the completion of the specialization. After the certification is approved by the administrator of the department, school, or college in which the student is enrolled and by the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

**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 adviser 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 adviser 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 adviser 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 adviser 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 . . . . .	6
(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:	
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

Upon completion of the requirements for the Graduate Specialization in International Development, the student should contact the graduate academic adviser for international development in the College of Social Science and request certification for the completion of the specialization. After the certification is approved by the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

**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	2
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 (MTC)	3
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	Issues in Phonology	3
LIN 834	Issues in Syntax	3
LIN 837	Advanced Studies in Semantics and Pragmatics	3
LIN 850	Advanced Studies in Child Language Acquisition	3
PHL 830	Seminar in Logic and the Philosophy of Language	3
PHL 860	Seminar in Metaphysics and Epistemology	3
PHL 880	Seminar in Philosophy of Science	3
PSY 801	Sensation and Perception	3
PSY 810	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.

Upon completion of the requirements for the degree program and of the Interdepartmental Graduate Specialization in Cognitive Science, the student should contact the administrator of the department, school, or college in which he or she is enrolled and request certification for the completion of the specialization. After the certification is approved by the Cognitive Science Graduate Affairs Committee, the Director of the program, and the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcripts.

**DEPARTMENT of  
 ANTHROPOLOGY**

**Lynne G. Goldstein, 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 develop-

ment 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.

- 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.

## UNDERGRADUATE PROGRAM

### Requirements for the Bachelor of Arts Degree in Anthropology

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 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.
2. The requirements of the College of Social Science for the Bachelor of Arts degree.
3. The following required major courses: CREDITS  

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

1. 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 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.
2. 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 adviser.
3. The following requirements for the major: CREDITS  

a.	All of the following courses:	
	ANP 201 Sociocultural Diversity . . . . .	3
	ANP 202 Biocultural Evolution . . . . .	3
	ANP 489 Anthropology Capstone Course (W) . . . . .	3

## TEACHER CERTIFICATION OPTIONS

An anthropology disciplinary minor is available for teacher certification.

Students who elect the anthropology disciplinary minor must contact the Department of Anthropology.

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

Students who are accepted into the master's degree program may, upon successful completion of the degree, apply for admission to the doctoral program. For students in the doctoral program, however, the master's degree is optional.

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.

The Department of Anthropology is affiliated with the Doctor of Philosophy degree program with a major in ecology, evolutionary biology and behavior. For information about a Doctor of Philosophy degree program that involves ecology, evolutionary biology and behavior and a major in the Department of Anthropology, refer to the statement on the doctoral program in ecology, evolutionary biology and behavior in the *College of Natural Science* section of this catalog.

Students who are enrolled in the Master of Arts degree program in the Department of Anthropology may elect a Specialization in Ecology, Evolutionary Biology and Behavior. For additional information, refer to the statement on the specialization in the *College of Natural Science* section of this catalog.

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

### 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 3.00 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 academic 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 3.00 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**

Democratic society requires stability in order to insure justice, equity, and freedom for all. The essential elements of stability are crime prevention, the preservation of peace, and the protection of civil rights. Public and private agencies on various levels provide for security, safety, peace, and freedom through programs designed to prevent crime and delinquency.

The essential significance of the Bachelor of Arts and Master of Science degree programs in the School of Criminal Justice is in these two propositions: (1) The systematic study of crime, criminal behavior, and criminal justice processes constitutes an appropriate and highly important function of higher education. Coping more effectively with the issues and problems involved is integral to the maintenance of a democratic society. (2) Because of the complexities of the phenomena attendant to crime in contemporary society, it has become increasingly important for higher education to devote resources to preparing students for careers in criminal justice and related areas.

The School of Criminal Justice also offers undergraduate and graduate specializations in security management, a master of science in forensic science, and a doctor of philosophy 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 434, 456, 466, 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: . . . . .	40
(1) All of the following Prerequisite Courses (12 credits):	
CJ 110 Introduction to Criminal Justice . . . . .	4
CJ 220 Criminology . . . . .	4
CJ 292 Methods of Criminal Justice Research . . . . .	4
(2) All of the following Core Courses (15 or 16 credits):	
CJ 335 Police Process . . . . .	4
CJ 365 Corrections Process . . . . .	4
CJ 375 Criminal Law Process . . . . .	4
One of the following courses:	
CJ 355 Juvenile Justice Process . . . . .	4
CJ 385 Introduction to Private Security . . . . .	3
(3) A minimum of 12 credits from the following courses including 3 credits in Criminal Justice 434, 456, 466, or 485:	
CJ 210 Introduction to Forensic Science . . . . .	4
CJ 385 Introduction to Private Security . . . . .	3
CJ 400H Honors Study . . . . .	1 to 3
CJ 421 Minorities, Crime, and Social Policy . . . . .	3
CJ 422 Comparative and Historical Criminal Justice . . . . .	3
CJ 425 Women and Criminal Justice . . . . .	3
CJ 432 Community Policing . . . . .	3
CJ 433 Law Enforcement Intelligence Operations . . . . .	3
CJ 434 Police Administration (W) . . . . .	3
CJ 435 Investigative Procedures . . . . .	3
CJ 455 Delinquency and Treatment Approaches . . . . .	3
CJ 456 Criminal Careers and Career Criminals (W) . . . . .	3
CJ 465 Correctional Programming and Analysis . . . . .	3
CJ 466 Corrections Organizations and Systems (W) . . . . .	3
CJ 471 Law of Corrections . . . . .	3
CJ 474 Law and Criminal Justice Policy . . . . .	4
CJ 485 Asset Protection Management (W) . . . . .	3
CJ 490 Independent Study . . . . .	1 to 3
CJ 491 Topics in Criminal Justice . . . . .	2 to 4

## UNDERGRADUATE 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.

**SOCIAL SCIENCE**  
**School of Criminal Justice**

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 385 Introduction to Private Security . . . . .	3
CJ 433 Law Enforcement Intelligence Operations . . . . .	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

Upon completion of the requirements for the Specialization in Security Management, the student should contact the Director of the School of Criminal Justice and request certification for the completion of the specialization. After the certification is approved by the Director of the School and the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

**GRADUATE STUDY**

The School of Criminal Justice is at the forefront of education in the administration of criminal justice. Criminal justice administration, from crime prevention to the release of detainees from legal supervision, is an integrated process, the components of which focus upon prevention and control of illegal behavior.

The School of Criminal Justice offers a professionally and managerially oriented degree program for advanced students, many of whom are established criminal justice practitioners. The program is designed to add new dimensions to the skills of career people in the various branches of criminal justice and to prepare scholars for further work on the doctoral level. Degree candidates divide their course work into complementary parts: all students complete core requirements and one of the following four concentrations: adult corrections, delinquency prevention, police, or general studies. Courses in other disciplines may be included in the student's program of study.

The school also offers a graduate Specialization in Security Management and a Master of Science in Forensic Science.

**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.
5. 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 <sup>1</sup> . . . . .	3
CJ 812 Criminal Justice Management Seminar <sup>1</sup> . . . . .	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 adviser.
  - 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 adviser.
  3. Criminal Justice electives approved by an academic adviser . . . . . 6
- <sup>1</sup> For a student who completes the requirements for the graduate Specialization in Forensic Science.
1. A course dealing with an aspect of the legal system approved by the School of Criminal Justice may be substituted for Criminal Justice 811.
  2. Criminal Justice 815 may be substituted for Criminal Justice 812.

**CRIMINAL JUSTICE—URBAN STUDIES**

The School of Criminal Justice offers an interdepartmental Master of Science degree program in criminal justice—urban studies.

**Admission**

To be admitted to the major in criminal justice—urban studies, students must meet the requirements for admission to the Master of Science degree program with a major in criminal justice. They must also meet the requirements for admission as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies* in the *Graduate Education* section of this catalog.

**Requirements for the Master of Science Degree in Criminal Justice—Urban Studies Plan A**

Students who are admitted to the major in criminal justice—urban studies and elect Plan A must complete a minimum of 33 credits for the degree including the requirements for the major in criminal justice leading to the Master of Science degree under Plan A as specified above, as well as the requirements for the urban studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*.

The completion of Criminal Justice 887, which is required for the criminal justice component of the program, also satisfies the quantitative social research methods requirement of the urban studies component. The completion of 8 of the 9 credits in the urban studies core courses that are required for the urban studies component of the program also satisfies the 8 credits of electives that are required for the criminal justice component.

**Requirements for the Master of Science Degree in Criminal Justice—Urban Studies Plan B**

Students who are admitted to the major in criminal justice—urban studies and elect Plan B must complete a minimum of 33 credits for the degree including the requirements for the major in criminal justice leading to the Master of Science degree under Plan B as specified above, as well as the requirements for the urban studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*.

Students are required to satisfy the quantitative social research methods requirement of the urban studies component of the program by completing Criminal Justice 887.

Students are required to complete a 6–credit internship for the urban studies component of the program. To satisfy that requirement, students must complete an urban–oriented practicum (3 credits of Criminal Justice 894) and a policy analysis paper that is based on the practicum (3 credits of Criminal Justice 896).

The completion of the 9 credits in urban studies core courses and the 3 credits of Criminal Justice 894 that are required for the urban studies component of the program also satisfies the 12 credits of electives that are required for the criminal justice component.

**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 adviser.	
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

Upon completion of the requirements for the master's degree and the requirements for the Graduate Specialization in Security Management, the student should contact the Director of the School of Criminal Justice and request certification for the completion of the specialization. After the certification is approved by the Director of the School and the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

**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 Resource Development; 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.

**FORENSIC SCIENCE**

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 only under Plan A (with thesis). Each student will have a thesis advisory committee comprised of the academic adviser and two other program faculty. The student must complete at least 38 credits as follows:

	CREDITS
1. The following course (4 credits):	
CJ 805 Survey in Forensic Science . . . . .	4
2. One of the following concentrations:	
<b>Forensic Chemistry (19 credits)</b>	
CEM 832 Mass Spectrometry . . . . .	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 802 Essentials of Electron Microscopy . . . . .	2
NSC 820 Scanning Electron Microscopy; Energy Dispersive X-ray Microanalysis . . . . .	3
PHM 450 Introduction to Chemical Toxicology . . . . .	3
<b>Forensic Biology (20 credits):</b>	
CJ 817 Law and Forensic Science . . . . .	2
CJ 820 Forensic Chemistry and Microscopic Evidence . . . . .	3
CJ 825 Forensic Biology . . . . .	3
GEN 835 Eukaryotic Molecular Genetics . . . . .	3
GEN 842 Population Genetics, Genealogy and Genomics . . . . .	3
STT 464 Statistical Methods for Biologists I . . . . .	3

STT 465 Statistical Methods for Biologists II . . . . .	3
<b>Forensic Anthropology (25 credits):</b>	
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 6 credits in Forensic Science 899 Master's Thesis Research.
4. Complete an additional 3 to 9 credits of electives chosen in consultation with the student's academic adviser.
5. Pass an oral examination in defense of the thesis.

**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:

1. Completed an undergraduate degree in criminal justice or related social science field.
2. An overall grade-point average of at least 3.2 in the most recent academic degree (master's or bachelor's).
3. Satisfactory scores on the Graduate Record Examination (GRE) General Test as judged by the faculty.
4. 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, and 908.
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.

# DEPARTMENT of ECONOMICS

**Rowena Pecchenino, Chairperson**

## UNDERGRADUATE PROGRAMS

The Department of Economics offers Bachelor of Arts and Bachelor of Science degrees in Economics. The Department offers, in addition, a Bachelor of Arts Degree in Policy and Applied Economics. All of these 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, law, management, and consulting; for careers in national, state, and local governments; in teaching; and for 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, data analysis or 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 and the University. All students are encouraged to develop programs of study that are tailored to their individual needs and interests.

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 Thought	
EC 303	Economic Thought I
EC 304	Economic Thought II
Economic Systems	
EC 306	Comparative Economic Systems
EC 405	The Development of the American Economy
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 320	Analysis of Economic Data
EC 420	Introduction to Econometric Methods
Public Economics	
EC 335	Taxes, Government Spending and Public Policy
EC 435	Public Expenditures
EC 436	Public Revenues
EC 437	State and Local Public Finance
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 385	International Labor Market Policy and Labor Relations
EC 480	Analysis of Labor Markets
Law And Economics	
EC 425	Law and Economics
Health, Education, and Welfare	
EC 495	Economics of Poverty and Income Distribution
EC 496	Interpreting Economic News and Research

EC 497	Economics of Education
EC 498	Economics of Health Care
Capstone Courses	
EC 489	Senior Seminar for Policy and Applied Economics Majors (W)
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

- 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 completion of Mathematics 124 or 132 or 152H, referenced in item 3. d. (2) below, may also satisfy the University mathematics requirement. Courses that are used to satisfy the University mathematics requirement may not be counted toward the College of Social Science NATURAL SCIENCE REQUIREMENT, referenced in section I. C. 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 Economics major is met by completing Economics 499. That course is referenced in item 3. a. below.

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

- The following requirements for the major: 39  
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.

- 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.

- One of the following courses in the international area (3 credits): Economics 306, 310, 340, 385, 406, 410, 412, 413, 414, 440, and 441.
- Nine additional credits in economics courses, of which at least 6 credits must be at the 400-level.
- The following courses outside the Department of Economics (9 credits):
  - One of the following courses (3 credits):

CSE 101	Computing Concepts and Competencies	3
CSE 131	Introduction to Technical Computing	3

Students who pass a waiver examination will not be required to complete Computer Science and Engineering 101. Students may substitute Computer Science and Engineering 231 for Computer Science and Engineering 131.
  - One of the following courses (3 credits):

MTH 124	Survey of Calculus I	3
MTH 132	Calculus I	3
MTH 152H	Honors Calculus I	3

Mathematics 132 or 152H is recommended for students who plan to pursue graduate study.
  - 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

Computer Science and Engineering 101 and 131, Statistics and Probability 315, 421, 430, and 441 may be applied toward the College of Social Science NATURAL SCIENCE REQUIREMENT.



**SOCIAL SCIENCE**  
**Department of Economics**

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.

**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**

- 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 completion of Mathematics 132 or 152H, referenced in item 3. d. (2) below, may also satisfy the University mathematics requirement. Courses that are used to satisfy the University mathematics requirement may not be counted toward the College of Social Science NATURAL SCIENCE REQUIREMENT, referenced in section I. C. 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 Economics major is met by completing Economics 499, referenced in item 3. a. below.

- 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 choose from the following list of courses for the College of Social Science NATURAL SCIENCE REQUIREMENT:

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, but not both courses. Upon prior approval by the department, other courses may be substituted in fulfillment of the College of Social Science NATURAL SCIENCE REQUIREMENT.

- The following requirements for the major: CREDITS  
39  
 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.

- 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.

- One of the following courses in the international area (3 credits): Economics 306, 310, 340, 385, 406, 410, 412, 413, 414, 440, and 441.
- Nine additional credits in economics courses, of which at least 6 credits must be at the 400-level.
- The following courses outside the Department of Economics (9 credits):
  - One of the following courses (3 credits):
 

CSE 101	Computing Concepts and Competencies	3
CSE 131	Introduction to Technical Computing	3

 Students who pass a waiver examination will not be required to complete Computer Science and Engineering 101. Students may substitute Computer Science and Engineering 231 for Computer Science and Engineering 131. Computer Science and Engineering 101 and 131 may not be applied toward the College of Social Science NATURAL SCIENCE REQUIREMENT.
  - One of the following courses (3 credits):
 

MTH 132	Calculus I	3
MTH 152H	Honors Calculus I	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 and Statistics	3

 Statistics and Probability 441 may be applied toward the College of Social Science NATURAL SCIENCE REQUIREMENT.

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.

**POLICY AND APPLIED ECONOMICS**

The Bachelor of Arts Degree in Policy and Applied Economics is designed for students who are interested in economic policy analysis and in the interaction of economics with other disciplines. In contrast to the Bachelor of Arts Degree in Economics, this program is less theoretical and technical, and places less emphasis on theory and statistics. The objective of the program in policy and applied economics is to produce graduates who are skilled in the application of economic analysis to policy issues and other applied programs.

**Requirements for the Bachelor of Arts Degree in Policy and Applied Economics**

- 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 Policy and Applied Economics.

The completion of Mathematics 110 or 116 or 124 or 132 or 152H, referenced in item 3. e. (2) below, may also satisfy the University mathematics requirement. Courses that are used to satisfy the University mathematics requirement may not be counted toward the College of Social Science NATURAL SCIENCE REQUIREMENT, referenced in section I. C. 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 Policy and Applied Economics major is met by completing Economics 489. That course is referenced in item 3. a. below.

- The requirements of the College of Social Science for the Bachelor of Arts degree.:<sup>1</sup> CREDITS  
39 or 41
- The following requirements for the major: CREDITS  
39 or 41  
 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.

- All of the following courses in the Department of Economics (12 credits):
 

EC 201	Introduction to Microeconomics	3
EC 202	Introduction to Macroeconomics	3
EC 301	Intermediate Microeconomics	3
EC 489	Senior Seminar for Policy and Applied Economics Majors (W)	3

 Economics 251H may be substituted for Economics 201 and 301. Students who elect this substitution may satisfy the requirement referenced in item 3. d. by completing at least 2 to 3 credits in Eco-

nomics courses at the 300-400 level, in addition to the 15 credits referenced in item 3. d.

Economics 252H may be substituted for Economics 202. Students who elect this substitution may not use these credits to satisfy courses in item 3. d.

- b. One of the following courses (3 credits):
- |        |                                     |   |
|--------|-------------------------------------|---|
| EC 320 | Analysis of Economic Data           | 3 |
| EC 420 | Introduction to Econometric Methods | 3 |
- Students who choose Economics 420 to fulfill this requirement will need to complete Statistics and Probability 315 or 421 or 430 or 441 which in turn, requires a calculus course, with the exception of Statistics and Probability 421.
- c. One of the following courses in the international area (3 credits): Economics 306, 310, 340, 385, 406, 410, 412, 413, 414, 440, and 441. A course that is used to satisfy this requirement may not be used to satisfy requirement 3. d.
- d. One of the following policy areas of emphasis in economics (15 credits): Both the area of emphasis and the related courses must be approved by the student's academic adviser.
- Policies for Economic Development and Transitional Economics.** A minimum of 15 credits in approved economics courses, including at least two of the following courses: Economics 306, 310, 406, 410, 412, 413, and 414.
- Public-Sector Economic Policy.** A minimum of 15 credits in approved economics courses, including at least two of the following: Economics 335, 435, 436, and 437.
- International Economic Policy.** A minimum of 15 credits in approved economics courses, including at least two of the following: Economics 340, 440, and 441.
- Economic Analysis of Competition Policy.** A minimum of 15 credits in approved economics courses including Economics 360 and 460.
- Economic Policy for Human Resources.** A minimum of 15 credits in approved economics courses, including at least two of the following: Economics 380, 385, 480, 495, 497, and 498.
- Macroeconomic Policy Issues.** A minimum of 15 credits in approved economics courses including Economics 252H or 302 and at least one of the following: Economics 330, 402, and 441.
- e. The following courses outside the Department of Economics (6 or 8 credits):
- (1) One of the following courses (3 credits):
 

CSE 101	Computing Concepts and Competencies	3
CSE 131	Introduction to Technical Computing	3

Students who pass a waiver examination will not be required to complete Computer Science and Engineering 101. Students may substitute Computer Science and Engineering 231 for Computer Science and Engineering 131. Computer Science and Engineering 101 and 131 may be applied toward the College of Social Science NATURAL SCIENCE REQUIREMENT.
  - (2) One of the following courses (3 or 5 credits):
 

MTH 110	College Algebra and Finite Mathematics	5
MTH 116	College Algebra and Trigonometry	5
MTH 124	Survey of Calculus I	3
MTH 132	Calculus I	3
MTH 152H	Honors Calculus I	3

Mathematics 132 or 152H is recommended for students who plan to pursue graduate study.

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.

## TEACHER CERTIFICATION OPTIONS

The economics disciplinary major leading to the Bachelor of Arts or Bachelor of Science degree is available for teacher certification. An economics disciplinary minor is also available for teacher certification. Students who elect the economics disciplinary major or 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.

## GRADUATE STUDY

The Department of Economics offers work leading to the Master of Arts and Doctor of Philosophy degrees in preparation for professional careers in business, government, teaching, or research.

The fields of specialization are:

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

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

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

## 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 doctoral program 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

Only Plan B (without thesis) is available to students who are enrolled in the Master of Arts degree in Economics.

Normally the student discusses the program of study with the graduate program director at the time that he or she begins studies in economics. The student's program must be acceptable to the director.

In addition to meeting the requirements of the University and the College of Social Science, students in the master's degree program in economics must meet the requirements specified below.

## Requirements for the Master of Arts Degree in Economics

1. A minimum grade-point average of 3.00 in 800-900 level economics courses.
2. Complete 30 credits in approved courses including:
  - a. At least 20 credits in 800-900 level courses.
  - b. Economics 801, 805, 807, and 809; and Statistics and Probability 430.
  - c. Two econometrics courses: Economics 818 and 823.

Economics 821 or 822 may be substituted for Economics 823 with the approval of the graduate program director.

- d. Two courses in one of the fields of economics as specified below:  
Economic Development: Economics 850 and 851.  
History of Economic Thought: Economics 815 and 816.  
Industrial Organization: Economics 860 and 861.  
International Economics: Economics 840 and 841.  
Labor Economics: Economics 880 and 881.  
Advanced Macro and Monetary Economics:  
Economics 809 and 831.  
Public Economics: Economics 835 and 836.
  - e. One additional course from the courses listed in item 2. d. above with the exception of Economics 809.
3. Pass the written comprehensive examination in economic analysis.

### **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.

### **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.

### **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 econometrics.
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**

### **Richard Groop, Chairperson**

The Department of Geography comprises three main academic areas in which majors are offered to students: (1) geography and geography–urban studies, (2) landscape architecture, and (3) urban and regional planning.

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. Career oriented specializations are available in spatial information processing, geographic information systems, remote sensing, and regional development.

Landscape Architecture is the design profession which applies artistic, cultural, scientific, and technical knowledge and skills to the analysis, design, planning, development, and management of the land. Landscape architects accept certain responsibilities related to the health, safety, and welfare of the public and are concerned with resource conservation and stewardship of the land. The practice of landscape architecture requires an appreciation and understanding of natural and social processes, a creative imagination, technical expertise, and a commitment to preserve or improve the physical environment for optimum human use and enjoyment.

Landscape architects are employed by private professional offices, public planning agencies, land development companies, industrial or commercial firms, educational and research institutions, park and recreation authorities, and a variety of other organizations which require land use planning and site design services. The landscape architect's professional activities include consultations with clients, resource inventories and site analyses, site development programming, development of design concepts and land use proposals, provision of design implementation drawings and specifications, preparation of contracts and reports, and supervision of projects under construction. The landscape architect often collaborates with other professionals, including architects, engineers, naturalists, geographers, and planners, in the design and development of urban and rural land areas.

Urban planning is concerned with the comprehensive development and improvement of the physical structure of cities, metropolitan regions, and other urbanized areas, so that the best environment for residents may be achieved in concord with the objectives of a democratic society. This mission is accomplished through extensive research followed by the preparation of plans for the correction of accumulated problems, and for the adequate accommodation of future change. In order to accomplish this task, the planner must understand how the interrelated needs of the people and economic, social and political forces are trans-



lated into physical urban form. Thus the community's social goals form the basis for the planning of desirable living environments, employment facilities, recreation opportunities, and commercial, cultural and service components of urban development.

## UNDERGRADUATE PROGRAMS

The Department of Geography offers programs in geography leading to the Bachelor of Arts and Bachelor of Science degrees. The department also offers a program in landscape architecture leading to the Bachelor of Landscape Architecture degree and a program in urban and regional planning leading to the Bachelor of Science degree.

### GEOGRAPHY

Within the discipline of geography, a tracking system permits students pursuing a bachelor's degree to concentrate in various interest areas. The departmental adviser 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. CREDITS  
31
3. The following required major courses:
  - 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 adviser to obtain a list of approved courses which will meet this requirement. CREDITS  
31
3. The following required major courses:
  - 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. |     |   |   |

### LANDSCAPE ARCHITECTURE

The undergraduate Bachelor of Landscape Architecture program provides a diverse learning experience which strives for a balance between philosophy, theory, and application of concepts related to past, present, and future problem-solving in landscape architecture and allied environmental planning and design professions.

The program includes professional courses in the areas of design theory and graphic communications, environmental perception, history, and plant materials and their uses; technical aspects of site development, design applications for representative land uses; site planning for typical projects; community planning, housing and recreational development; and urban and regional design and planning.

The program offers meaningful design opportunities and challenges within the classroom and on community projects, which prepare the student to communicate through writing, speech and graphics. These objectives are met in group and in individual assignments where independent study and growth are encouraged.

The program in landscape architecture at Michigan State University has been accredited by the American Society of Landscape Architects.

Upon completion of the undergraduate program, the individual is prepared to participate at the entry level of professional landscape architecture or to pursue graduate study leading to more specialized phases of professional work.

#### Honors Study

Students interested in honors programs in landscape architecture should consult with an academic adviser.

#### Admission as a Junior

The number of students who can be admitted as juniors to the landscape architecture major is limited. To be considered for admission as a junior, a student must have completed the core courses referenced in item 2. below. Students who have been admitted as juniors are entitled to enroll in upper level landscape architecture courses required for the Bachelor of Landscape Architecture degree.

Admissions are determined by the faculty on the basis of the relative qualifications of applicants and the enrollment capacity in the program. Admission is competitive.

Detailed information regarding admission requirements and procedures is available from the Director for Landscape Architecture, Department of Geography.

#### Requirements for the Bachelor of Landscape Architecture Degree in Landscape Architecture

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 139 credits, including general elective credits, are required for the Bachelor of Landscape Architecture degree in Landscape Architecture.

**SOCIAL SCIENCE**  
**Department of Geography**

Students who are enrolled in the Landscape Architecture major leading to the Bachelor of Landscape Architecture degree in the Department of Geography may complete an alternative track to Integrative Studies in Biological and Physical Sciences that consists of the following courses: Biological Science 110, Chemistry 141 and 161, and Zoology 355 and 355L. The completion of Chemistry 161 and Zoology 355L satisfies the laboratory requirement. Biological Science 110, Chemistry 141 and 161, and Zoology 355 and 355L may be counted toward both the alternative track and the requirements for the major referenced in item 2. below.

The completion of Mathematics 116 referenced in requirement 2. below may also satisfy the University mathematics requirement.

The University's Tier II writing requirement for the Landscape Architecture major is met by completing Landscape Architecture 480 or 492. Those courses are referenced in item 2. d. below.

2. The following requirements for the major:
- |   | CREDITS |
|---|---------|
| a. A minimum grade–point average of 2.00 in the 43 credits required in 300–400 level Landscape Architecture courses referenced in requirement 2.d. below.         |         |
| b. Collateral Courses: . . . . .  | 31      |
| (1) All of the following courses (28 credits):  |         |
| BS 110 Organisms and Populations . . . . .  | 4       |
| CEM 141 General Chemistry . . . . .   | 4       |
| CEM 161 Chemistry Laboratory I . . . . .  | 1       |
| HRT 211 Landscape Plants I <sup>1</sup> . . . . .   | 3       |
| HRT 212 Landscape Plants II <sup>1</sup> . . . . .  | 3       |
| HRT 311 Landscape Design and Management Specifications . . . . .  | 4       |
| MTH 116 College Algebra and Trigonometry <sup>1</sup> . . . . .   | 5       |
| UP 494 Planning Practicum . . . . .   | 4       |
| (2) One of the following courses (3 credits):   |         |
| GEO 221 Introduction to Geographic Information . . . . .  | 3       |
| HED 240 Computer Aided Design for Designers . . . . .   | 3       |
| c. Environmental Cognate Courses: . . . . .   | 16      |
| (1) All of the following courses (10 credits):  |         |
| CSS 210 Fundamentals of Soil and Landscape Science <sup>1</sup> . . . . .   | 3       |
| GEO 206 Physical Geography . . . . .  | 3       |
| ZOL 355 Ecology . . . . .   | 3       |
| ZOL 355L Ecology Laboratory . . . . .   | 1       |
| (2) At least 6 additional credits in courses related to the environment approved by the student's academic adviser.   |         |
| d. Landscape Architecture Courses: All of the following courses: . . . . .  | 57      |
| LA 200 Introduction to Landscape Architecture <sup>1</sup> . . . . .  | 3       |
| LA 220 Graphic Communication <sup>1</sup> . . . . .   | 4       |
| LA 240 Applied Design Fundamentals <sup>1</sup> . . . . .   | 4       |
| LA 270 Landscape Design History <sup>1</sup> . . . . .  | 3       |
| LA 330 Site Construction: Materials and Methods . . . . .   | 4       |
| LA 331 Site Engineering . . . . .   | 4       |
| LA 341 Basic Site Design I . . . . .  | 4       |
| LA 342 Basic Site Design II . . . . .   | 5       |
| LA 437 Design Implementation . . . . .  | 3       |
| LA 443 Community Project Design I . . . . .   | 5       |
| LA 444 Community Project Design II . . . . .  | 5       |
| LA 445 Advanced Project Design . . . . .  | 4       |
| LA 446 Regional Environmental Design . . . . .  | 3       |
| LA 480 Professional Practice (W) . . . . .  | 3       |
| LA 492 Senior Research Seminar (W) . . . . .  | 3       |
| e. Directed Electives: <sup>2</sup> . . . . .   | 12      |
| A minimum of 12 additional credits in courses in the College of Arts and Letters and/or the College of Social Science approved by the student's academic adviser. |         |

<sup>1</sup> Core course that must be completed in order for a student to be considered for admission to the major.

<sup>2</sup> Courses that are used to satisfy the University Integrative Studies and writing requirements may not be used to satisfy this requirement.

**URBAN AND REGIONAL PLANNING**

The undergraduate program in urban and regional planning is intended to provide 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 343 or 365. Those courses are 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, History, 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 adviser 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: . . . . .  | 30      |
| UP 201 The Role of Planning in Urban and Regional Development . . . . .   | 4       |
| UP 314 Methods for Investigation of Urban Systems . . . . .   | 4       |
| UP 324 Visual Communication and the Design Process . . . . .  | 4       |
| UP 343 Planning Theory: Ethics and Politics (W) . . . . .   | 4       |
| UP 353 Land Use Planning . . . . .  | 4       |
| UP 365 Planning Law (W) . . . . .   | 3       |
| UP 454 Local Economic Planning . . . . .  | 3       |
| UP 494 Planning Practicum . . . . .   | 4       |
| b. Other Required Courses: . . . . .  | 19      |
| CSE 101 Computing Concepts and Competencies (Track C or D) . . . . .  | 3       |
| EC 201 Introduction to Microeconomics . . . . .   | 3       |
| GEO 221 Introduction to Geographic Information . . . . .  | 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 adviser . . . . . | 18      |
| Environment   |         |
| Urban Society   |         |
| Government  |         |
| d. Advanced Guided Elective. One course of at least 3 credits, chosen from a list provided by the academic adviser.   |         |

**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 adviser 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

Upon completion of the requirements for the spatial information processing specialization, the student should contact the Chairperson of the Department of Geography and request certification for the completion of the specialization. After the certification is approved by the Chairperson of the Department of Geography and the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

## TEACHER CERTIFICATION OPTIONS

A geography disciplinary minor is available for 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 Arts, Master of Science, and Doctor of Philosophy degrees. Additionally, an environmental design as well as a geography–urban studies program leads to the Master of Arts degree. The department also offers programs in urban and regional planning and in urban and regional planning—urban studies leading to the Master in Urban and Regional Planning degree.

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.

## ENVIRONMENTAL DESIGN

### Master of Arts

The College of Agriculture and Natural Resources in cooperation with the Departments of Horticulture and Park, Recreation and Tourism Resources; the College of Human Ecology in cooperation with the Department of Human Environment and Design, and the College of Social Science in cooperation with the Department of Geography and its Landscape Architecture program, participate in the master's degree in Environmental Design. The College of Social Science is the primary administrative unit.

The purpose of this master's degree is to train prospective or practicing professionals to address the complex interdisciplinary nature of environmental design. Students will develop a highly individualized plan of study with a focus in a relevant design area

such as golf course architecture, landscape reclamation, visual quality modeling, landscape restoration, interiorscapes, wellness/therapeutic garden design, landscape development systems, plant management systems, adaptive reuse of facilities for tourism and recreation, park safety design and development, and park and tourism development and design within ecological systems.

The Master of Arts Degree in Environmental Design addresses four areas of professional development. These include:

1. acquisition of in-depth knowledge in the area of environmental design theory;
2. development of problem-solving skills within an interdisciplinary professional context;
3. development of technological expertise and a knowledge base in a selected area of environmental design; and
4. a greater command of graphic, written, and oral communication skills.

All students will take a core of three courses in environmental design (theory, seminar, and studio), in addition to either a Plan A (thesis option) or Plan B (practicum option). Students will elect relevant courses in fields which pertain to their design area of interest.

The program is planned to provide an alternative to traditional professional degrees by addressing the needs of students with undergraduate design backgrounds who wish to work in an interdisciplinary setting while pursuing an area of individual interest.

### Admission

To be considered for admission to the Master of Arts in Environmental Design, the applicant must have:

1. completed a bachelor's degree in a design related field such as horticulture, park and recreation, interior design, landscape architecture, or architecture.
2. a cumulative grade-point average of at least 3.0 in design and technology courses with an academic background sufficient to indicate probable success in the program.
3. satisfactory scores on the Graduate Record Examination General Test (GRE) as judged by the environmental design faculty. No substantive area GRE examinations are required.
4. acceptance as an advisee by a participating environmental design faculty member.

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 Arts Degree in Environmental Design

Students in the Master of Arts in Environmental Design must complete a total of 33 credits for the degree under either Plan A (with thesis) or Plan B (without thesis). A minimum of 17 of those credits must be at the 800-level or above, distributed as follows:

	CREDITS
1. All of the following core courses (9 credits):	
LA 816 Environmental Design Theory . . . . .	3
LA 817 Environmental Design Studio . . . . .	3
LA 883 Environmental Design Seminar . . . . .	3
2. Guided elective courses related to the student's area of design interest, chosen in consultation with the student's academic adviser.	

For **Plan A**, students must complete a minimum of 6 and a maximum of 9 credits of Master's Thesis Research (899) in one of the following departments: Horticulture; Human Environment and Design; or Park, Recreation and Tourism Resources. They must also prepare a written thesis, complete a final research seminar, and pass an oral examination.

For **Plan B**, students must complete a minimum of 6 and a maximum of 9 credits of Master's Practicum (898) in the department of Horticulture or Human Environment and Design. They must also complete a final report and pass an oral examination.



**GEOGRAPHY**

**Master of Arts**

The master's program in geography is designed to enable the student to achieve professional competence in the discipline. These programs are 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, cultural/human, economic/urban, and regional geography; in quantitative methods; and in geographic information systems. Applicants who have not completed all of these requirements may be admitted, but must remedy all course deficiencies before the degree is granted.

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 Arts Degree in Geography**

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

	CREDITS
1. All of the following courses: . . . . .	9
GEO 886 Research Design in Geography . . . . .	3
GEO 899 Master's Thesis Research . . . . .	4 to 6
With the approval of the student's guidance committee, another course may be substituted for Geography 886.	
2. 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
3. Two advanced-level tool/methods courses. . . . .	6 to 8
Both the tool areas and the related courses must be approved by the student's guidance committee and the chairperson of the Department of Geography. Examples of courses that may be used to satisfy this requirement are listed below:	
GEO 423 Cartographic Design and Production . . . . .	4
GEO 424 Advanced Remote Sensing . . . . .	4
GEO 425 Geographic Information Systems . . . . .	4
4. A specialization in an area of geography and related course work. . . . .	5 to 8
Both the specialization and the related courses must be approved by the student's guidance committee and the chairperson of the Department of Geography.	
5. One 800-900 level course in research methods. . . . .	3 or 4
6. 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: . . . . .	14
GEO 425 Geographic Information Systems . . . . .	4
GEO 801 Issues in Geographical Information Science . . . . .	3
GEO 827 Digital Image Processing and Analysis . . . . .	4
GEO 874 Seminar in Geographic Information Science . . . . .	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 or qualitative methods . . . . .	4
4. Related course work in geography and other disciplines . . . . .	9
5. Presentation of a poster or oral paper at a professional meeting.	
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 three of the following four seminars: .....	9
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 .....	14 or 15
2. In consultation with the student's guidance committee, submit a manuscript to a refereed journal.

### GEOGRAPHY—URBAN STUDIES

The Department of Geography offers an interdepartmental Master of Arts degree program in geography–urban studies. A minimum of 36 credits is required for the degree, and only Plan A (with thesis) is available.

#### Admission

To be admitted to the major in geography–urban studies, students must meet the requirements for admission to the Master of Arts and Master of Science degree programs with majors in geography. They must also meet the requirements for admission as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies* in the *Graduate Education* section of this catalog.

### Requirements for the Master of Arts Degree in Geography—Urban Studies

Students who are admitted to the major in geography–urban studies must meet the requirements for the major in geography leading to the Master of Arts degree. Such students are required to complete a minimum of 14 credits in courses in the tool areas and the specialization in an area of geography combined. To satisfy the tool area requirement, students must complete one advanced–level course of at least 3 credits in each of two tool areas.

Students who are admitted to the major in geography—urban studies must also meet the requirements for the urban studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*.

The completion of the 800–900 level course in research methods, which is required for the geography component of the program, also satisfies the quantitative social research methods requirement of the urban studies component.

The completion of 3 of the 9 credits in the urban studies core courses that are required for the urban studies component of the program also satisfies 3 of the credits that are required for the specialization in the geography component.

### URBAN AND REGIONAL PLANNING

#### Master in Urban and Regional Planning

The graduate program leading to a degree of Master in Urban and Regional Planning at Michigan State University is structured to provide students with learning opportunities that enable them to develop mechanical skills and intellectual qualities necessary to address the broad and varied range of problems associated with urban development. It is intended that, upon completion of their studies, they should be able to enter the profession as competent practitioners.

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 the undergraduate, whose studies are divided between liberal education and technical studies, the graduate student is immersed exclusively in significant planning studies. The graduate program is designed to provide professional competence. The master's program in Urban and Regional Planning has been accredited by the American Planning Association.

After graduation, the student should be capable of assuming responsibilities on an intermediate level of a professional planning operation.

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 university with an acceptable academic record. The field of undergraduate study is not critical for acceptance, but course requirements for collateral studies will vary according to individual undergraduate backgrounds. Each student's program is composed to fit particular needs in accordance with undergraduate training and any planning experience the applicant may have had.

### 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 48 credits, at least 32 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: .....	42
1. <i>Urban planning core courses</i> (30 credits):	
UP 463 Introduction to Quantitative Methods for Geographers and Planners .....	3
UP 801 Concepts and Issues in Planning and Development .....	4
UP 814 Applied Research Methods for Planning and Development .....	3
UP 823 Urban Land Management .....	4
UP 834 Urban Design and Project Development .....	3
UP 844 Decision Theory for Urban Planning and Development .....	4
UP 865 Planning and Development Law .....	3
UP 894 Planning Practicum .....	4
UP 897 Research Writing Seminar .....	2
2. Concentration related to urban and regional planning (12 credits):	
One urban planning course and three other courses in <i>one</i> of the following related fields: economic development, land use and environment, or urban policy and analysis. All four of the courses must be approved by the student's academic adviser.	

**SOCIAL SCIENCE**  
**Department of Geography**

Additional Requirements for Plan A.....	6
1. The following course:	
UP 899 Master's Thesis Research.....	6
Additional Requirements for Plan B:.....	6
1. The following course:	
UP 889 Master's Research.....	3
2. Three additional credits in one or more courses approved by the student's academic adviser.	

**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 10 transfer credits at the 800 level may be accepted toward the Master in Urban and Regional Planning degree.

**Time Limit**

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

**URBAN AND REGIONAL PLANNING—  
 URBAN STUDIES**

An interdepartmental Master in Urban and Regional Planning degree program in urban and regional planning—urban studies is available. A minimum of 48 credits is required for the degree, and both Plan A (with thesis) and Plan B (without thesis) are available.

**Admission**

To be admitted to the major in urban and regional planning—urban studies, students must meet the requirements for admission to the Master in Urban and Regional Planning degree program with a major in urban and regional planning. They must also meet the requirements for admission as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies* in the *Graduate Education* section of this catalog.

**Requirements for the Master in Urban and Regional Planning Degree in Urban and Regional Planning—Urban Studies**

Students who are admitted to the major in urban and regional planning—urban studies must meet the requirements for the major in urban and regional planning leading to the Master in Urban and Regional Planning degree. They must also meet the requirements for the urban studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*.

At least two members of the student's guidance committee, including the chairperson, must be faculty members in the Department of Geography in the area of urban and regional planning.

The completion of Urban Planning 814, which is required for the urban and regional planning component of the program, also satisfies the quantitative social research methods requirement of the urban studies component of the program.

The completion of the 9 credits in urban studies core courses that are required for the urban studies component of the program also satisfies 9 of the 12 credits of the concentration that is required for the urban and regional planning component.

For students on Plan B, the completion of the 6 additional credits required for the Plan B option of the urban and regional planning component of the program also satisfies the requirement for the urban studies component referenced in item (3) under *MAS-TERS DEGREE, Requirements for the Degree*.

**SCHOOL of  
 LABOR and INDUSTRIAL  
 RELATIONS**

**Theodore Curry, Director**

In recognition of Michigan's position as one of the foremost industrial states in the nation, Michigan State University has established a School of Labor and Industrial Relations in the College of Social Science. The school's objective is to serve the needs of students, faculty, labor, management, and the public by offering graduate instruction, conducting research, and making available extension courses, conferences, workshops, and special institutes.

**Research and Program Services**

**RESEARCH PROGRAM.** The school's Research Program is as broad as the field of labor and industrial relations. Specific projects are determined largely by the interests of the research faculty and include such subject-matter areas as economic and social implications of technological change, collective bargaining, union structure and government, human resource decisions, organizational behavior and development, labor economics, industrial and occupational sociology, labor history, and labor legislation. Faculty members are assisted in their research by graduate research assistants.

**LABOR EDUCATION PROGRAM.** The school's Labor Education Program offers non-credit courses, institutes, and conferences for workers based upon their needs and interests. The objective of these programs is to provide a greater understanding of the nature and problems of labor relations and citizenship so that workers may play a more intelligent and effective role in their organizations and in their communities. Programs are planned in cooperation with individual groups, as well as with an advisory committee consisting of representatives of the labor movement in Michigan with responsibilities for educational activities.

**HUMAN RESOURCES EDUCATION AND TRAINING CENTER (HRETC).** The HRETC conducts non-credit courses, conferences, and workshops to meet the needs of management and government in the human resource field. Subject areas include organizational development; human resource administration; wage and salary administration; contract negotiations; recruitment, selection, and placement; and affirmative action. This service works closely with management groups in planning its programs, as well as with an advisory committee made up of prominent representatives of industry and government in Michigan.

**GRADUATE STUDY**

**LABOR RELATIONS and HUMAN RESOURCES**

The school offers a professional program of study with two options leading to a Master of Labor Relations and Human Resources (MLRHR) degree. The first option, Industrial Relations



and Human Resources, is for students interested in labor–management relations and human resources decisions who plan to pursue careers in business, government, or unions. In industry there are opportunities for men and women in industrial relations or personnel departments. Government agencies at the federal and state levels employ trained specialists to administer laws and programs dealing with labor–management relations, social security, worker’s compensation, and other aspects of labor and industrial relations and human resources decisions. Labor unions seek trained people for staff positions in their education and research departments and in other activities. Community colleges and universities employ MLRHR graduates to teach in labor and management extension programs.

The second option, Employment and Training Programs, is for students seeking careers as specialists dealing with employment and training problems in the work place. The employers for these students will be government agencies at the federal, state, and local levels, and private employers and unions seeking to employ persons with knowledge of the relevant economic and social institutions, who are also well trained in the theoretical framework and research techniques necessary to understand and solve employment and training problems.

Students who meet the undergraduate prerequisites may be able to complete the MLRHR degree in four semesters of full–time study. In order to make it possible for students who are employed during the day to enroll for graduate studies, the school normally offers all courses required for the MLRHR degree and most of its elective courses in the evening, at least once every four years.

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 degree program, a student must have a bachelor’s degree and a grade–point average of 3.00 or better in the junior and senior years. All applicants must have satisfactory scores on the Graduate Record Examination (GRE) General Test or on the Graduate Management Admission Test (GMAT). Applicants should have completed one course in microeconomic principles, one course in statistics, and one introductory course in behavioral science, with grades of 2.0 or better. In addition, applicants will be judged on the quality of their statement of objectives and three letters of reference from faculty members. Admission requirements may be higher when few program vacancies exist. Students with less than the specified prerequisites may be considered for admission to provisional status.

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

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 in one of the following two options. Both options are of an interdisciplinary nature, drawing subject matter from all of the social sciences.

<b>Industrial Relations and Human Resources Option</b>	<b>CREDITS</b>
1. All of the following courses: . . . . .	21
LIR 809 Labor Markets . . . . .	3
LIR 823 Organizational Behavior in Labor and Industrial Relations . . . . .	3
LIR 824 Human Resource Strategies and Decisions . . . . .	3
LIR 825 Compensation and Benefits Systems . . . . .	3
LIR 832 Data Sources in Labor and Industrial Relations . . . . .	3
LIR 858 Collective Bargaining . . . . .	3
LIR 863 Law of Labor Management Relations . . . . .	3
2. Additional credits in courses approved by the student’s academic adviser or guidance committee. . . . .	15
Depending on the student’s interests and career plans, courses in such areas as labor and industrial relations, economics, management, politi-	

cal science, psychology, social work, and sociology may be designated to satisfy this requirement.

**Employment and Training Programs Option**

1. All of the following courses: . . . . .	15
LIR 809 Labor Markets . . . . .	3
LIR 811 Training and Development . . . . .	3
LIR 824 Human Resource Strategies and Decisions . . . . .	3
LIR 832 Data Sources in Labor and Industrial Relations . . . . .	3
LIR 858 Collective Bargaining . . . . .	3
2. Two of the following courses: . . . . .	6
LIR 868 Equal Employment Opportunity and Occupational Safety and Health Policy . . . . .	3
LIR 891 Special Topics in Labor Relations and Human Resources . . . . .	3
A program evaluation course approved by School . . . . .	3
The topic of Labor and Industrial Relations 891 must focus on training or a related area and must be approved by the student’s academic adviser or guidance committee.	
3. Additional credits in courses approved by the student’s academic adviser or guidance committee. . . . .	15
Depending on the student’s interests and career plans, courses in such areas as labor and industrial relations, economics, management, political science, psychology, social work, and sociology may be designated to satisfy this requirement.	

**LABOR RELATIONS and HUMAN RESOURCES—LAW**

Labor Relations and Human Resources students who are admitted to the dual MLRHR/JD program with the Michigan State University - Detroit College of Law may transfer a maximum of 9 credits from the MSU/DCL program to the MLRHR 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.

**LABOR RELATIONS and HUMAN RESOURCES—URBAN STUDIES**

The School of Labor and Industrial Relations offers an interdepartmental Master of Labor Relations and Human Resources degree program in labor relations and human resources—urban studies. A minimum of 39 credits is required for the degree under either Plan A (with thesis), and a minimum of 42 credits is required for the degree under Plan B (without thesis).

**Admission**

To be admitted to the major in labor relations and human resources—urban studies, students must meet the requirements for admission to the Master of Labor Relations and Human Resources degree program with a major in labor relations and human resources. They must also meet the requirements for admission as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies* in the *Graduate Education* section of this catalog.

**Requirements for the Master of Labor Relations and Human Resources Degree in Labor Relations and Human Resources—Urban Studies**

Students who are admitted to the major in labor relations and human resources—urban studies must meet the requirements for the major in labor relations and human resources leading to the Master of Labor Relations and Human Resources degree. Students who elect Plan A must complete 6 credits of Labor and Industrial Relations 899.

Students who are admitted to the major in labor relations and human resources—urban studies must also meet the requirements for the urban studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*.

**SOCIAL SCIENCE**  
**School of Labor and Industrial Relations**

The completion of Labor and Industrial Relations 832, which is required for the labor relations and human resources component of the program, also satisfies the quantitative social research methods requirement of the urban studies component.

The completion of the 9 credits in the urban studies core courses which are required for the urban studies component of the program also partially satisfies the requirement of additional credits in courses approved by the student's academic adviser or guidance committee for the labor relations and human resources component.

For students on Plan A, the completion of 3 of the 6 credits of Labor and Industrial Relations 899 which are required for the urban studies component of the program also satisfies one of the nine Labor and Industrial Relations courses that are required for the labor relations and human resources component.

At least two faculty members from the School of Labor and Industrial Relations shall serve on the student's guidance committee. At least half of the members of the committee shall be faculty members from the school.

With the concurrence of the other members of the student's guidance committee, a member who is from the urban studies faculty shall have the responsibility of placing a student in an internship, if the student is required to complete an internship for the urban studies component of the program under Plan B. The School of Labor and Industrial Relations offers no course through which the internship requirement can be met. Therefore, the student must meet this requirement by enrolling in a course offered by another academic unit with the prior approval of the guidance committee.

**Doctor of Philosophy**

In cooperation with the School of Labor and Industrial Relations, the College of Social Science offers an interdisciplinary Doctor of Philosophy degree program in social science within which a concentration in industrial relations and human resources is available. For information concerning interdisciplinary doctoral studies, students should communicate with the Associate Director for the Academic Program of the School of Labor and Industrial Relations or with the Associate Dean, College of Social Science.

**DEPARTMENT of  
 POLITICAL SCIENCE**

**Richard C. Hula, Chairperson**

**UNDERGRADUATE PROGRAMS**

The undergraduate majors in political science are designed to provide students not only with a broad education in political and other social sciences but also 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 private 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.

Students in the Department of Political Science may select from three majors:

1. Political Science (General)
2. Political Science—Prelaw
3. Public Administration

**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 420, 421, 432, 440, 460, 461, 470. Those courses are referenced in item 3. a. (3) below.  
**For students who are admitted to Michigan State University as new freshmen and new transfer students in the Fall of 1993 and thereafter:**
  - a. The completion of Mathematics 110 or 116 or 120 or 124 or 132 referenced in item 3. b. (2) 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, 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).
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. (3) 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:

	<b>CREDITS</b>
a. The following courses in the Department of Political Science: . . .	30
(1) Two of the following courses (6 credits):	
PLS 100 Introduction to American National Government . . . . .	3
PLS 140 Introduction to Comparative Politics . . . . .	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) One of the Political Science courses referenced in item 1. above and at least four additional Political Science courses at the 300–400 level to total at least 16 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	
b. The following courses outside the Department of Political Science: . . . . .	12 or 14
(1) Both of the following courses (6 credits):	
EC 201 Introduction to Microeconomics . . . . .	3
EC 202 Introduction to Macroeconomics . . . . .	3
(2) One of the following courses (3 or 5 credits):	
MTH 103 College Algebra. . . . .	3
MTH 110 College Algebra and Finite Mathematics . . . . .	5
MTH 116 College Algebra and Trigonometry . . . . .	5
MTH 124 Survey of Calculus with Applications I . . . . .	3
MTH 132 Calculus I . . . . .	3
A student who satisfies requirement 3.b.(2) by completing Mathematics 103 may satisfy the University mathematics requirement by completing one of the following courses <i>in addition to</i> Mathematics 103: Mathematics 104 or 124 or 201; Statistics and Probability 200 or 201. <b>NOTE:</b> A course that is used to satisfy the University mathematics requirement may <b>not</b> be counted toward the College of Social Science NATURAL SCIENCE, AND ARTS AND LETTERS, REQUIREMENT (referenced in section I.B. under the heading <i>Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees</i> in the College statement).	
(3) 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 420, 421, 470. Those courses are referenced in item 3.a.(2) 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:	30
(1) All of the following courses (20 credits):	
PLS 100 Introduction to American National Government	3
PLS 170 Introduction to Political Philosophy	3
PLS 200 Introduction to Political Science	4
PLS 201 Introduction to Methods of Political Analysis	4
PLS 320 The American Judicial Process	3
PLS 321 American Constitutional Law	3
(2) One of the Political Science courses referenced in item 1. above and two additional Political Science courses at the 300–400 level to total at least 10 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	
b. The following courses outside the Department of Political Science:	15 to 18
(1) Both of the following courses (6 credits):	
EC 201 Introduction to Microeconomics	3
EC 202 Introduction to Macroeconomics	3
(2) One of the following courses (3 or 5 credits):	
MTH 103 College Algebra	3
MTH 110 College Algebra and Finite Mathematics	5
MTH 116 College Algebra and Trigonometry	5
MTH 124 Survey of Calculus I	3
MTH 132 Calculus I	3
(3) Two of the following courses (6 or 7 credits):	
HST 318 United States Constitutional History	3
HST 350 Constitutional and Legal History of Medieval England	3
HST 351 Constitutional and Legal History of England since 1400	3
PHL 330 Formal Reasoning I	4
PHL 340 Ethics	3
PHL 354 Philosophy of Law	3

**PUBLIC ADMINISTRATION and PUBLIC POLICY**

The Public Administration and Public Policy major is designed to prepare students for careers in the national, state and local public service. It aims at a broad understanding of the goals and problems of public administration and how these relate to the technical specialties of public administration: budget analysis, planning, organization and management methods, and personnel administration. The major is also valuable preparation for those who intend to engage in research for public agencies or voluntary associations interested in the problems of government, including unions, chambers of commerce, business corporations, farm organizations and citizen research organizations. A master's de-

gree program concentrating in public administration is also available for advanced work in preparation for an executive career in government.

**Requirements for the Bachelor of Arts Degree in Public Administration and 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 Administration and Public Policy.  
The University's Tier II writing requirement for the Public Administration and Public Policy major is met by completing Political Science 420. This course is referenced in item 3.a.(3) below.  
*For students who are admitted to Michigan State University as new freshmen and new transfer students in the Fall of 1993 and thereafter:*
  - a. The completion of Mathematics 110 or 116 or 120 or 124 or 132 referenced in item 3.b.(2) 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, 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).
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 and one of the Economics courses referenced in item 3.b.(4) below satisfies the College 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.(3) 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:	30
(1) All of the following courses (20 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 310 Public Bureaucracy in the Policy Process	3
PLS 313 Public Policy Analysis	3
PLS 494 Field Experience in Political Science	3
(2) One of the following courses (3 credits):	
PLS 140 Introduction to Comparative Politics	3
PLS 160 Introduction to International Relations	3
PLS 170 Introduction to Political Philosophy	3
(3) Political Science 420 and one additional Political Science course at the 300–400 level in American politics to total at least 7 credits.	
b. The following courses outside the Department of Political Science:	18 to 21
(1) Both of the following courses (6 credits):	
EC 201 Introduction to Microeconomics	3
EC 202 Introduction to Macroeconomics	3
(2) One of the following courses (3 or 5 credits):	
MTH 103 College Algebra	3
MTH 110 College Algebra and Finite Mathematics	5
MTH 116 College Algebra and Trigonometry	5
MTH 124 Survey of Calculus with Applications I	3
MTH 132 Calculus I	3
A student who satisfies requirement 3.b.(2) by completing Mathematics 103 may satisfy the University mathematics requirement by completing one of the following courses <i>in addition to</i> Mathematics 103: Mathematics 104 or 124 or 201; Statistics and Probability 200 or 201. <i>NOTE:</i> A course that is used to satisfy the University mathematics requirement may <i>not</i> be counted toward the College of Social Science NATURAL SCIENCE, AND ARTS AND LETTERS, REQUIREMENT (referenced in section I. B. under the heading <i>Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees</i> in the College statement).	
(3) One approved History or Philosophy course at the 300–400 level from a list available in the Department of Political Science (3 or 4 credits).	
(4) Two approved Economics courses at the 300–400 level from a list available in the Department of Political Science (6 credits).	



### TEACHER CERTIFICATION OPTIONS

A political science disciplinary minor is available for teacher certification.

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.

### GRADUATE STUDY

The Department of Political Science offers master's and doctoral degree programs, as well as an interdepartmental graduate specialization in Nonprofit Sector Policy and Administration.

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 fields of political science: American politics, comparative politics, international politics, public policy and public administration, political thought, formal theory, and research methodology.

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 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 Administration 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.

### PUBLIC ADMINISTRATION

#### Master of Public Administration (MPA)

The master's program offers an interdisciplinary educational experience related to public policy and public administration. The program is designed to provide men and women with theoretical knowledge and specific skills essential for professional achieve-

ment in the public and non-profit sectors. The objective of this program is to develop an analytical approach to the decision-making process through a systematic study of policy and administration. The program offers students the opportunity to meet their individual interests and needs by specializing in a wide variety of issue areas.

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 Public Administration Degree in Public Administration

The program is available only under Plan B (without thesis). The student must complete 39 credits in courses approved by the director of the MPA program and distributed as follows:

	CREDITS
1. Eight core courses designed to provide a strong foundation of theoretical knowledge and understanding of political science, public administration, and policy analysis. . . . .	24
2. Four courses of at least 3 credits each in a field of specialization within public administration and public policy. . . . .	12
3. Policy analysis practicum . . . . .	3

**In addition** to the requirements listed above, students who in the judgment of the Director of the MPA degree program have not had sufficient public or non-profit sector work experience will be required to complete a field experience practicum of 3 credit.

#### Transfer Credits

For MPA students who have been admitted to the dual JD-MPA program with Michigan State University - Detroit College of Law, a maximum of 12 credits from Michigan State University - Detroit College of Law may be transferred to the MPA program. Such courses may not be used to satisfy requirement 1 or 3 under the heading Requirements for the *Master of Public Administration Degree in Public Administration*.

### PUBLIC ADMINISTRATION—URBAN STUDIES

#### Master of Public Administration (MPA)

The Department of Political Science offers an interdepartmental Master of Public Administration degree program in public administration—urban studies. A minimum of 39 credits is required for the degree, and only Plan B (without thesis) is available.

#### Admission

To be admitted to the major in public administration—urban studies, students must meet the requirements for admission to the Master of Public Administration degree program with a major in public administration. They must also meet the requirements for admission as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies* in the *Graduate Education* section of this catalog.

Students in the public administration-urban studies program are not eligible for the dual JD-MPA program with Michigan State University - Detroit College of Law.

#### Requirements for the Master of Public Administration Degree in Public Administration—Urban Studies

Students who are admitted to the major in public administration—urban studies must meet the requirements for the major in public administration leading to the Master of Public Administration degree. They must also meet the requirements for the urban

studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*.

**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. |         |
| <small>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.</small>                   |         |

**Academic Standards**

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

**Transfer Credits**

For students who have been admitted to the dual JD-MA program with Michigan State University - Detroit College of Law, a maximum of 12 credits from Michigan State University - Detroit College of Law may be transferred to the MA program with a major in political science.

**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**

The doctoral student must:

1. Earn at least 39 credits in political science courses including:
  - a. All of the following courses: Political Science 800, 801, and 802.
  - b. Courses in **each of three** of the following political science fields: American politics, comparative politics, international politics, public policy and public

administration, political thought, formal theory, and research methodology.

A minimum of 9 credits in Political Science courses is required in each of two major fields and a minimum of 6 credits is required in a minor field with one exception: A minimum of 9 credits in courses within or outside the Department of Political Science is required for the research methodology major field, **in addition** to the credits earned in Political Science 800, 801, and 802.

2. Pass a comprehensive examination in each of the two major fields referenced in item 1. b. above. To be eligible to take the comprehensive examination in a field, the student must have completed the courses required in that field. Normally, the student completes the comprehensive examinations by the end of the third year of full–time enrollment in the doctoral program.
3. Present the results of the dissertation research at a departmental colloquium.

**Academic Standards**

After the first year of graduate study at MSU, 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 MSU.

**Transfer Credits**

For students who have been admitted to the dual JD-Ph.D. program with Michigan State University - Detroit College of Law, a maximum of 12 credits from Michigan State University - Detroit College of Law may be transferred to the Ph.D. program with a major in political science. Such courses may be used to satisfy requirement 1. under the heading *Requirements for the Doctor of Philosophy Degree in Political Science*.

**POLITICAL SCIENCE–URBAN STUDIES**

The Department of Political Science offers an interdepartmental Doctor of Philosophy degree program in political science–urban studies. Students in the political science–urban studies program are not eligible for the dual JD-Ph.D. program with Michigan State University - Detroit College of Law.

**Admission**

To be admitted to the major in political science–urban studies, students must meet the requirements for admission to the Doctor of Philosophy degree program with a major in political science. They must also meet the requirements for admission as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies* in the *Graduate Education* section of this catalog.

**Requirements for the Doctor of Philosophy Degree in Political Science–Urban Studies**

Students who are admitted to the major in political science–urban studies must meet the requirements for the major in political science leading to the Doctor of Philosophy degree. They must also meet the requirements for the urban studies component of the

program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*. Students must select one of the following three policy areas to meet Requirement 2 of the urban studies component of the program: Urban Social Services Policy, Urban Economic Development Policy, or Urban Policy in Developing Societies.

**INTERDEPARTMENTAL GRADUATE  
 SPECIALIZATION IN NONPROFIT SECTOR  
 POLICY AND ADMINISTRATION**

The Interdepartmental Graduate Specialization in Nonprofit Sector Policy and Administration, which is administered by the Department of Political Science, is available as an elective to students who are enrolled in master's and doctoral degree programs at Michigan State University.

The specialization is designed for persons who plan to be employed in service organizations in the nonprofit sector. The educational objectives of the specialization are to:

1. Provide an opportunity for students to obtain a comprehensive and contemporary academic experience in the field of nonprofit sector policy and administration.
2. Help students to understand the historical and policy contexts; management dimensions; and issues, problems, challenges, and needs associated with the nonprofit sector.
3. Help students to function effectively as employees of the nonprofit sector and to be sensitive to their professional obligations and responsibilities.

A student who is interested in completing the requirements for the specialization must submit to the Chairperson of the Department of Political Science his or her academic credentials, a rationale for pursuing the specialization, and a plan for selecting the courses that will be used to satisfy the requirements for the specialization, in addition to the required core courses.

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.

A given student may receive certification of completion of the Interdepartmental Graduate Specialization in Nonprofit Sector Policy and Administration **either** as a master's student **or** as a doctoral student, but not as both a master's student and a doctoral student.

**Requirements for the Interdepartmental Graduate  
 Specialization in Nonprofit Sector Policy and  
 Administration**

The student's program of study must be approved by the Chairperson of the Department of Political Science and must include:

	CREDITS
1. Both of the following Required Core Courses (6 credits):	
PLS 817 Proseminar on the Nonprofit Sector	3
RD 874 Management of Nonprofit Organizations	3
2. At least 6 additional credits in one of the following three areas of nonprofit sector policy and administration: policy, management, or international. The 6 additional credits must be in approved courses. A list of approved courses is available from the Department of Political Science.	

Upon completion of the requirements for the Interdepartmental Graduate Specialization in Nonprofit Sector Policy and Administration, the student should contact the Chairperson of the Department of Political Science and request certification for the completion of the specialization. After the certification is approved by the Chairperson of the Department and the Dean of the College of Social Science, the Office of the Registrar will enter on the student's academic record the name of the specialization and the date that it was completed. This certification will appear on the student's transcript.

# DEPARTMENT of PSYCHOLOGY

**Neal Schmitt, Chairperson**

Psychology is a science and a profession concerned with behavior. As a science, psychology is concerned with theories, principles, facts and methods as they relate to understanding, predicting and influencing behavior of both humans and animals: how they perceive; how they learn and forget; how they think, fear, hate, and love; and how they develop their individualities or personalities. 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 on which they seek consultation.

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 student who plans a career in psychology, as such, will find graduate education a necessity. 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. Graduate program descriptions are available from the department.

## 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, 403, 405, 409, 410, 411, 413, 414, 424, 440, 441, 442, 450, 455, or 475. 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
a. All of the following courses:	
PSY 101 Introductory Psychology	4
PSY 295 Data Analysis in Psychological Research	3
PSY 395 Research Design, Test Construction and Measurement	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 Memory and Skill (W)	3
PSY 402 Sensation and Perception (W)	3
PSY 403 Laboratory in Cognitive Science (W)	3
PSY 405 History of Modern Psychology (W)	3
PSY 409 Psychobiology of the Life Span (W)	3
PSY 410 Neurobiology of Learning and Memory (W)	3
PSY 411 Psychobiology of Motivation (W)	3
PSY 413 Laboratory in Behavioral Neuroscience (W)	3
PSY 414 Psychology of Language (W)	3
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 442	Stereotypes, Prejudice, and Discrimination (W) . . .	3
PSY 450	Thinking Critically About Psychological Research (W) . . . . .	3
PSY 455	Organizational Research Techniques (W) . . . . .	3
PSY 475	Personality Theories (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 Statistics and Probability 421 or higher. 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 or 402 or 403 or 405 or 409 or 410 or 413 or 414 or 424 or 440 or 441 or 442 or 450 or 455 or 475. 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.)

CREDITS

3.	The following requirements for the major: . . . . .	31
a.	All of the following courses:	
	PSY 101 Introductory Psychology . . . . .	4
	PSY 295 Data Analysis in Psychological Research . . . . .	3
	PSY 395 Research Design, Test Construction and Measurement. . . . .	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 Memory and Skill (W) . . . . .	3
	PSY 402 Sensation and Perception (W) . . . . .	3
	PSY 403 Laboratory in Cognitive Science (W) . . . . .	3
	PSY 405 History of Modern Psychology (W) . . . . .	3
	PSY 409 Psychobiology of the Life Span (W) . . . . .	3
	PSY 410 Neurobiology of Learning and Memory (W) . . . . .	3
	PSY 411 Psychobiology of Motivation (W) . . . . .	3
	PSY 413 Laboratory in Behavioral Neuroscience (W) . . . . .	3
	PSY 414 Psychology of Language (W) . . . . .	3
	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 442 Stereotypes, Prejudice, and Discrimination (W) . . . . .	3
	PSY 450 Thinking Critically About Psychological Research (W) . . . . .	3
	PSY 455 Organizational Research Techniques (W) . . . . .	3
	PSY 475 Personality Theories (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 . . . . .	3
	Genetics	
	ZOL 141 Introductory Human Genetics . . . . .	3
	ZOL 341 Fundamental Genetics . . . . .	4
	ZOL 445 Evolution . . . . .	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 doctoral 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.

Every major program of study is designed to develop a purely scientific psychologist, or a scientific and professional psychologist in areas such as: brain-behavior relations, cognition, industrial and organizational psychology, developmental psychology, personality and social psychology, and ecological psychology, and in clinical psychology with specializations in problems of children and families, and of adults.

The doctoral program in clinical psychology has been accredited by the American Psychological Association. The pediatric psychology predoctoral internship program has also been accredited by the American Psychological Association.

The Department of Psychology is affiliated with the Doctor of Philosophy degree program with a major in ecology, evolutionary biology and behavior. For information about a Doctor of Philosophy degree program that involves ecology, evolutionary biology and behavior and a major in the Department of Psychology, refer to the statement on the doctoral program in ecology, evolutionary biology and behavior in the *College of Natural Science* section of this catalog.

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 degree programs in the Department of Psychology may elect a Specialization in Ecology, Evolutionary Biology and Behavior. For additional information, refer to the statement on the specialization in the *College of Natural Science* section of this catalog.

Students who are enrolled in Master of Arts and Doctor of Philosophy degree programs in the Department of Psychology may elect specializations in infant studies. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Infant Studies*.

## 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 adviser 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-URBAN STUDIES

### **Master of Arts and Doctor of Philosophy**

The Department of Psychology offers interdepartmental Master of Arts and Doctor of Philosophy degree programs in psychology-urban studies.

To be admitted to a major in psychology-urban studies, students must meet the requirements for admission to the Master of

Arts or Doctor of Philosophy degree program with a major in psychology. They must also meet the requirements for admission as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies* in the *Graduate Education* section of this catalog.

Students who are admitted to a major in psychology-urban studies must meet the requirements for the major in psychology leading to the Master of Arts or Doctor of Philosophy degree. They must also meet the requirements for the urban studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*. Psychology 815 and 817 satisfy the research methods requirements for both the psychology and urban studies components of the program.

## 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 School of Social Work seeks a diverse student population and invites applicants of both sexes; from all minority, age, economic, and protected populations; with various life experiences; and from all geographic 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. 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 rich resources of the University are used to create programs that are designed to prepare students for general social work

practice and for graduate study. 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.

### 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 MSU's Office of Admissions and Scholarships 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*, with the exception of Computer Science and Engineering 101.

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 advisers 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:

			CREDITS
a.	All of the following Social Work courses:		38
	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 Instruction: Generalist Practice I . . . . .	5
	SW 494B	Social Work Field Instruction: Generalist Practice II . . . . .	5
b.	The following courses in related areas		25 to 27
	(1)	All of the following courses (14 credits):	
		CSE 101 Computing Concepts and Competencies . . . . .	3
		PLS 100 Introduction to American National Government . . . . .	3
		PSY 101 Introductory Psychology . . . . .	4
		SOC 100 Introduction to Sociology . . . . .	4
		Students who pass a waiver examination will not be re- quired to complete Computer Science and Engineering 101.	
	(2)	One of the following courses (2 to 4 credits):	
		PSL 101 Current Issues in Physiology . . . . .	2
		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
		FCE 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 239 Psychology of Women . . . . .	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 Master of Social Work degree program requires clear thinking, competence in written and oral expression, and emotional stability.

The School of Social Work offers two programs which have been accredited by the Council on Social Work Education (CSWE): a Master of Social Work (MSW) Advanced Standing (One Year) Program and a MSW Two–Year Program.

The MSW Two–Year Program requires 57 credits for the MSW degree. 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 MSW Two–Year Program at Michigan State University. A maximum of 26 credits of graduate level work in another program accredited by the CSWE may be applied to the credit requirements under the MSW Two–Year Program.

Students who hold a bachelor's degree in social work from a program that is accredited by the CSWE may apply for admission



**SOCIAL SCIENCE**  
**School of Social Work**

to the MSW Advanced Standing (One-Year) Program. This program requires a minimum of 42 credits for the MSW degree.

Students who are enrolled in Master of Social Work degree programs in the School of Social Work may elect specializations in infant studies. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Infant Studies*.

**Master of Social Work**

The Master of Social Work degree programs include 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 MSW Two-Year Program**

Students begin the master's degree programs in the fall because of the sequencing of required courses. Applicants should therefore seek admission during the previous fall. Students wishing to be considered for admission must file a special application form available from the School of Social Work. Although an undergraduate major or concentration in the social sciences or in social work may be helpful, it is not required.

Specific Requirements for Regular Admission:

1. A bachelor's degree from a recognized institution.
2. Normally a grade-point average of at least 3.00 (on a 4-point scale) during undergraduate study or in 14 or more credits of graduate study.
3. Evidence of personal qualities considered important for the practice of social work.
4. Completion of an undergraduate course in research methods and a course in statistical analysis.
5. Prior academic record including at least 19 semester credits in humanities, social sciences, and natural sciences.
6. A course in human biology in which at least 50% of the content focuses on humans. Students who have not completed such a course may be admitted conditionally, with the expectation that they will do so by the end of their first semester.

Applicants will be judged on a combination of factors:

1. Grade-point average in undergraduate study or in 14 or more credits of graduate study.
2. Judgments by the faculty of the candidate's commitment to social work and suitability for the profession, based on a reading of the application.
3. Length and type of work and volunteer experience.
4. Three letters of reference.
5. Diversity considerations.

**Requirements for the MSW Two-Year Program**

The student must complete 57 credits in specific social work instruction.

	CREDITS
Required Courses for Both the Clinical Social Work Major and the Organizational and Community Practice Major: . . . . .	43
1. Required Core Courses (26 credits):	
All of the required core courses must be completed before enrolling in additional courses required for the major.	
SW 810 Theories of Groups, Organizations, and Communities in Social Work . . . . .	3
SW 811 Social Work Perspectives in Human Development . . . . .	3
SW 820 Social Welfare Policy and Services. . . . .	3
SW 830 Applied Social Work Research: Experimental and Quasi-Experimental Designs . . . . .	3
SW 840 Generalist Social Work Practice Methods I. . . . .	3
SW 841 Generalist Social Work Practice Methods II . . . . .	3
SW 894A Social Work Field Instruction: Foundations I . . . . .	4
SW 894B Social Work Field Instruction: Foundations II. . . . .	4
2. Other Required Courses (17 credits):	

a. Both of the following courses (6 credits):	
SW 832 Applied Social Work Research: Survey and Field Designs . . . . .	3
SW 845 Administrative Skills for Social Work Practice. . . . .	3
b. One of the following courses (3 credits):	
SW 822A Social Welfare Policy and Services: Children, Youth and Families . . . . .	3
SW 822B Social Welfare Policy and Services: Adults. . . . .	3
SW 822C Social Welfare Policy and Services: Aging . . . . .	3
c. Eight credits of social work or social work related course electives. Three credits must be from the School of Social Work. Social Work related courses may be used to complete the remaining credits if approved by the student's academic adviser.	
Additional Required Courses for the Clinical Social Work Major: . . . . .	14
SW 850 Clinical Social Work Practice I . . . . .	3
SW 851 Clinical Social Work Practice II . . . . .	3
SW 894D Social Work Field Instruction: Clinical Intervention I . . . . .	4
SW 894E Social Work Field Instruction: Clinical Intervention II . . . . .	4
Additional Required Courses for the Organizational and Community Practice Major . . . . .	14
SW 863 Organizational and Community Practice I. . . . .	3
SW 864 Organizational and Community Practice II . . . . .	3
SW 894G Social Work Field Instruction: Organizational and Community Practice I . . . . .	4
SW 894I Social Work Field Instruction: Organizational and Community Practice II . . . . .	4

**Admission to the MSW Advanced Standing (One-Year) Program**

Persons 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 MSW Advanced Standing (One-Year) Program. Students who are admitted to the MSW Advanced Standing program must be enrolled on a full-time basis throughout the program and must complete the requirements for the program within one calendar year. Students who do not meet these requirements may be dismissed from the program.

Students are admitted only for summer semester. Applicants should therefore seek admission during the previous fall. Students wishing to be considered for admission must file an application available from the School of Social Work, 254 Baker Hall.

To be considered for admission to the MSW Advanced Standing program, a person must have:

1. a bachelor's degree in social work from a program that is accredited by the CSWE .
2. a grade-point average of at least 3.25 (on a 4-point scale) during undergraduate study.

Applicants will be judged 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. Three letters of reference, including an evaluation from the undergraduate faculty or agency practicum instructor or from the most recent social work supervisor.
4. Evidence of personal qualities considered important for the practice of social work.

Persons who are admitted to the MSW Advanced Standing program must have completed SW 430 Research Methods in Social Work I and SW 431 Research Methods in Social Work II, or equivalent courses, at the time of matriculation.

**Requirements for the MSW Advanced Standing (One-Year) Program**

The student must complete 42 credits in specific social work instruction.

	CREDITS
Required Courses for Both the Clinical Social Work Major and the Organizational and Community Practice Major: . . . . .	28
1. Required Core Courses (Summer Semester) (16 credits):	
All of the required core courses must be completed before enrolling in additional courses required for the major.	
SW 812A Human Behavior and the Social Environment I . . . . .	2
SW 812B Human Behavior and the Social Environment II . . . . .	2

SW	821	Social Welfare Policy and Service Delivery Systems . . .	2	
SW	831	Applied Social Work Research: Design and Evaluation . . . . .	2	
SW	842A	Practice Methods and Evaluative Research I . . . . .	2	
SW	842B	Practice Methods and Evaluative Research II . . . . .	2	
SW	893A	Social Work Field Instruction: Integration of Practice Methods I . . . . .	2	
SW	893B	Social Work Field Instruction: Integration of Practice Methods II . . . . .	2	
2. Other Required Courses (12 credits):				
a. Both of the following courses (6 credits):				
SW	832	Applied Social Work Research: Survey and Field Designs . . . . .	3	
SW	845	Administrative Skills for Social Work Practice . . . . .	3	
b. One of the following courses (3 credits):				
SW	822A	Social Welfare Policy and Services: Children, Youth and Families . . . . .	3	
SW	822B	Social Welfare Policy and Services: Adults . . . . .	3	
SW	822C	Social Welfare Policy and Services: Aging . . . . .	3	
c. Three credits of electives. The courses that are used to satisfy this requirement must be approved by the student's academic adviser. Social Work courses at the 400–800 level are recommended.				
Additional Required Courses for the Clinical Social Work Major:			14	
SW	850	Clinical Social Work Practice I . . . . .	3	
SW	851	Clinical Social Work Practice II . . . . .	3	
SW	894D	Social Work Field Instruction: Clinical Intervention I . . . . .	4	
SW	894E	Social Work Field Instruction: Clinical Intervention II . . . . .	4	
Additional Required Courses for the Organizational and Community Practice Major			14	
SW	863	Organizational and Community Practice I . . . . .	3	
SW	864	Organizational and Community Practice II . . . . .	3	
SW	894G	Social Work Field Instruction: Organizational and Community Practice I . . . . .	4	
SW	894I	Social Work Field Instruction: Organizational and Community Practice II . . . . .	4	

### **ORGANIZATIONAL and COMMUNITY PRACTICE—URBAN STUDIES**

The School of Social Work offers an interdepartmental Master of Social Work degree program in organizational and community practice—urban studies. A minimum of 57 credits is required for the degree, and only Plan B (without thesis) is available.

#### **Admission**

To be admitted to the major in organizational and community practice—urban studies, students must meet the requirements for admission to the MSW Two-Year Program with a major in administration and program evaluation. They must also meet the requirements for admission as specified in the statement on Interdepartmental Graduate Programs in Urban Studies in the *Graduate Education* section of this catalog.

#### **Requirements for the Master of Social Work Degree in Organizational and Community Practice—Urban Studies**

Students who are admitted to the major in organizational and community practice—urban studies must meet the requirements for the MSW Two-Year Program with an organizational and community practice major, as well as the requirements for the urban studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*.

The completion of Social Work 830 and 832, which are required for the organizational and community practice component of the program, also satisfies the quantitative social research methods requirement of the urban studies component. The completion of Social Work 894G and 894I, which are required for the organizational and community practice component of the program, also satisfies the requirement for the urban studies component referenced in item (3) under *MASTER'S DEGREE, Requirements for the Degree*.

The student is required to complete Urban Planning 848 in partial fulfillment of the requirements for the urban studies component of the program. The completion of that course also satisfies

the requirement of Social Work 822A or 822B or 822C for organizational and community practice component. The completion of 6 of the 9 credits in the urban studies core courses that are required for the urban studies component of the program also satisfies the requirement of 6 credits of electives for the organizational and community practice component.

### **CLINICAL SOCIAL WORK—URBAN STUDIES**

The School of Social Work offers an interdepartmental Master of Social Work degree program in clinical social work—urban studies. A minimum of 63 credits is required for the degree, and only Plan B (without thesis) is available.

#### **Admission**

To be admitted to the major in clinical social work—urban studies, students must meet the requirements for admission to the MSW Two-Year Program with a major in clinical social work. They must also meet the requirements for admission as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies* in the *Graduate Education* section of this catalog.

#### **Requirements for the Master of Social Work Degree in Clinical Social Work—Urban Studies**

Students who are admitted to the major in clinical social work—urban studies must meet the requirements for the MSW Two-Year Program with a major in clinical social work, as well as the requirements for the urban studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*.

The completion of Social Work 830 and 832, which are required for the clinical social work component of the program, also satisfies the quantitative social research methods requirement of the urban studies component.

The student is required to complete Urban Planning 848 in partial fulfillment of the requirements for the urban studies component of the program. The completion of that course also satisfies the requirement of Social Work 822A or 822B or 822C for the clinical social work component. The completion of 6 of the 9 credits in the urban studies core courses that are required for the urban studies component of the program also satisfies the requirement of 6 credits of electives for the clinical social work component.

#### **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**

Only the MSW Two-Year Program is available on a part-time basis. The MSW Advanced Standing (One-Year) Program is *not* available on a part-time basis.

At the time of admission to the MSW Two-Year Program, 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 either a three-year or a four-year 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**

**Thomas L. Conner, Chairperson**

Today's world is rapidly changing. Old values and institutions are being questioned, and new ones are replacing them. New forms of behavior are adopted and suddenly dropped. Agrarian societies have become urbanized and industrialized. As markets are globally restructured, nations which were the centers of industry and wealth are being replaced by other nations. At the same time, the poorest countries attempt to develop. Patterns of racial, ethnic, class, and gender inequality affect the life chances of people in all societies. These social issues and problems of our times are the central questions studied by sociologists.

**UNDERGRADUATE PROGRAM**

Sociologists study how societies are organized, how they change, and how they interact. The department's undergraduate program is designed to give students an understanding of societies throughout the world and of the major patterns of social behavior and organization in the United States. Courses deal with the basic institutions of society: economy and industry, education, family, health care and medicine, politics, sciences, and technology. Students examine how change occurs in rural and urban communities, in the environment, and in bureaucracies. They consider how knowledge may be applied to introduce social change.

Courses on international change and 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 available for participation in faculty research projects.

Sociology graduates may pursue positions in business, public service, sales research, teaching, and administration. 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.

**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.

CREDITS

3.	The following required major courses:	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 adviser 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

### 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

Graduate education in the Department of Sociology is intended to develop professional sociologists who will be creative research scholars, teachers, and practitioners.

The department offers three major research theme areas of concentration:

1. rural and environmental studies. Areas of study include population, agriculture, community, rural family, environment, ecology, and science and technology.
2. structural inequality. Areas of study include conflict and change processes of (a) the intersection of race, ethnicity, class, and gender and (b) the international division of labor.
3. well-being and health. Areas of study include medical sociology with organizational and social psychological perspectives, stress, self-esteem, risk, and epidemiology.

Three areas of emphasis permeate the graduate degree programs: international and cross-cultural studies, social change and development, and social policy application.

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 interested in urban studies may pursue a master's or doctoral degree in sociology-urban studies.

Students who are enrolled in Master of Arts and Doctor of Philosophy degree programs in the Department of Sociology may

elect specializations in infant studies. For additional information, refer to the statement on *Interdepartmental Graduate Specializations in Infant Studies*.

For further information about graduate study in sociology, consult the department's Graduate Manual.

### 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

The master's program is designed to give the student a general background in sociological theory and methodology, as well as an introduction to a major substantive area of the discipline. Students who complete the program may conduct standard social research projects, teach introductory sociology courses, direct several kinds of social action programs, or apply for admission to a doctoral degree program in sociology.

Students who are not employed full-time should complete all of the requirements for the master's degree with a major in sociology within two years of initial enrollment in the program.

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. One course in **each** of the following three areas: theory, methods, and statistics.
  - b. At least three courses in **one** of the department's three major research theme areas of concentration referenced above.
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.
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. Although the requirements for the Master of Arts degree with a major in sociology are an integral part of the doctoral program, students who are enrolled in the doctoral program are not required to earn a master's degree.

All doctoral students should gain some teaching experience, if possible.

The student's academic adviser serves as the chairperson of the student's guidance committee.

Specific procedures and criteria for the evaluation of comprehensive examinations are presented in the department's Graduate Manual.

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

The student must meet the requirements specified below:

1. One course in **each** of the following four areas: classical theory, contemporary theory, methods, and statistics.
2. At least one additional course in theory, methods, or statistics.
3. A program of study in **one** of the department's three major research theme areas of concentration referenced above that includes:
  - a. At least five courses, at least three of which must be MSU Sociology courses.
  - b. Additional courses related to the student's needs and interests. With the approval of the student's guidance committee, the additional courses may be in any of the department's three major research theme areas of concentration referenced above.
4. During the second year of study toward the doctoral degree, present an original research paper 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.
5. Participate in the teaching assistant workshop offered by the department.
6. Participate in the Sociology Graduate Seminar for First-Year Students.

### Academic Standards

At the end of the second year of study toward the doctoral degree, the faculty evaluates the student's performance in courses, the student's presentation of the original research paper, and the recommendations of the student's guidance committee. On the basis of that evaluation, the faculty decides whether or not the student should continue in the doctoral program.

### SOCIOLOGY–URBAN STUDIES

The Department of Sociology offers interdepartmental Master of Arts and Doctor of Philosophy degree programs in sociology–urban studies.

### Admission

To be admitted to a major in sociology–urban studies, students must meet the requirements for admission to the Master of Arts or Doctor of Philosophy degree program with a major in sociology. They must also meet the requirements for admission as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies* in the *Graduate Education* section of this catalog.

### Requirements for the Master of Arts and Doctor of Philosophy Degree in Sociology–Urban Studies

Students who are admitted to a major in sociology–urban studies must meet the requirements for the major in sociology leading to the Master of Arts or Doctor of Philosophy degree.

For the Master of Arts degree, only Plan A is available. A minimum of 30 credits is required for the degree for students who select structural inequality as their major research theme area of concentration. Although both the rural and environmental studies major research theme area and the well being and health major research theme area are also available to master's students in

sociology–urban studies, persons who elect either of those areas will be required to complete **more than 30** credits for the degree.

Students who are admitted to a major in sociology–urban studies must also meet the requirements for the urban studies component of the program as specified in the statement on *Interdepartmental Graduate Programs in Urban Studies*.

## WOMEN'S STUDIES PROGRAM

### Jayne A. Schuiteman, Acting Director

The Women's Studies 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. The program offers a cross–disciplinary major in women's studies leading to the Bachelor of Arts degree. For additional information, refer to the *Women's Studies Program* statement in the *College of Arts and Letters* section of this catalog.

## CENTER FOR ADVANCED STUDY OF INTERNATIONAL DEVELOPMENT

### Jeffrey M. Riedinger, 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. The purpose of the Center is to focus on development in the Third World.

CASID promotes and coordinates the work of faculty and students interested in study of international development from the perspective of the social sciences and liberal arts. 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 promotes undergraduate and graduate programs in international development, works with academic units to assure continued availability and quality of relevant course offerings, coordinates issue–oriented interest groups, and offers a wide range of scholarly presentations and outreach services.

An undergraduate Specialization in International Development is available to interested students. For additional information, refer to the statement on *Specializations* in the *Undergraduate Education* section of this catalog.

# INSTITUTE FOR PUBLIC POLICY AND SOCIAL RESEARCH

*Carol S. Weissert, Director*

The Institute for Public Policy and Social Research is a University-wide research institute for which the College of Social Science is the lead college. 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. Faculty associated with the Institute pursue multidisciplinary research projects. Institute personnel have computer programming, data management, statistical, survey analysis, and methodological expertise. The Institute contains the following programs and support units:

**SURVEY RESEARCH FACILITY.** The Institute specializes in telephone interviews and mailed questionnaires in support both of applied and basic research, and provides consulting in sampling design, statistical analysis, and other technical aspects of survey research.

**MICHIGAN DATABASES.** The Institute contains the largest electronic collection of economic and demographic data for Michigan's local units of government. These data are used for research and instructional support within MSU, and to provide information to government agencies and non-profit organizations throughout the State.

**POLICY ANALYSIS PROGRAM.** This program conducts policy analysis for units of the State government, local governments, non-profit organizations, and consulting organizations. It emphasizes primarily fiscal and demographic analysis.

**PROGRAM EVALUATION.** Evaluation work for a wide range of public- and grant-funded projects and programs is supported by the presence of the survey facility, Michigan Databases, and Policy Analysis Program within the Institute.

**PUBLIC POLICY/SOCIAL RESEARCH.** The Institute supports faculty research projects that illuminate public policy decisions, particularly those that involve multiple disciplines.

**PUBLIC POLICY FORUMS.** The Institute organizes and carries out regular forums on topics of timely interest for legislators and other governmental decision-makers.