# The ACADEMIC PROGRAM 

Michigan State University functions as a unit, its colleges, divisions, schools, and departments serving one another. No single part is independent of the others.
Most schools and departments offer courses at both the undergraduate and graduate levels. At the undergraduate level, freshman and sophomore students, except when enrolled in James Madison College and Lyman Briggs School, are enrolled in the Undergraduate University Division. Such students may select a field of study as a major preference; however, the academic responsibility for such students rests solely with the Undergraduate University Division. During the first two years students usually take (1) courses that will fulfill the University requirements as described in the Undergraduate Education section of this catalog and (2) courses appropriate to the particular major, or (3) courses of an exploratory nature. During the junior and senior years, students take courses, whether given by the colleges of the majors or others, which meet the needs of the academic programs. For high achieving undergraduate students, colleges, schools, departments, and faculty, in cooperation with the Honors College, provide programs to encourage the highest intellectual development and greatest achievement.
At the graduate level, colleges which offer graduate courses have developed graduate programs consistent with the highest national and professional standards of the respective fields.

Study abroad opportunities are sponsored by the University through its academic departments and schools, and cooperative arrangements with other universities. These opportunities include more than 150 programs in over fifty countries in Africa, Australia, the Americas, Asia, and Europe.

## SESSIONS

The University offers instruction throughout the academic year and during the summer.

The academic year consists of two semesters of approximately fifteen weeks each. The fall semester begins in late August and ends before the winter holidays. The spring semester begins in January and ends with commencement early in May.

Two sessions are scheduled during the summer. The first session begins in mid-May and runs through early July. The second session begins about the first week of July and runs to late August. Sessions of varying lengths for defined audiences are also scheduled during the summer.

## PERIOD COVERED BY REGISTRATION

The period covered by registration for a given semester or summer session is defined as commencing with the first day of classes as published in the University academic calendar, and extending through the day prior to the start of the first day of classes for the succeeding semester or summer session. The delivery of appropriate services requires at least minimum registration for that semester or summer session.

## ACCREDITATION

Michigan State University is a member of the National Association of State Universities and Land Grant Colleges, Association of American Universities, American Council on Education, American Council of Learned Societies, Associa-

## THE ACADEMIC PROGRAM

Accreditation
tion of Graduate Schools, Council of Graduate Schools, Committee on Institutional Cooperation, and International Association of Universities. The University has been accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools. Some individual programs, schools, and colleges have been recognized by the various accrediting agencies in their respective fields.

Information about the accreditation of individual programs, schools, and colleges is included in program descriptions in Academic Programs. Updated program listings may be found at <[http://www.msu.edu/unit/provost](http://www.msu.edu/unit/provost)>.

## EQUAL OPPORTUNITY, NONDISCRIMINATION, AND AFFIRMATIVE ACTION

Michigan State University is committed to the principles of equal opportunity, nondiscrimination, and affirmative action. University programs, activities, and facilities are available to all without regard to race, color, gender, religion, national origin, political persuasion, sexual orientation, marital status, disability, height, weight, veteran status, or age. The University is an affirmative action, equal opportunity employer. In carrying out this commitment, the University is guided by the applicable Federal and State laws and regulations, and policies adopted by the Board of Trustees.
The University has a comprehensive Affirmative Action Plan that includes goals and timetables for academic and support staff employment, an affirmative action policy for the employment of disabled veterans and veterans of the Vietnam era, and an affirmative action policy for persons with disabilities. The Office of Affirmative Action, Compliance and Monitoring oversees the Plan by reviewing individual academic and support staff hiring recommendations, establishing relations with federal and state civil rights agencies, and advising the President and other University administrators.
The All-University Anti-Discrimination Policy applies to all University community members and to education and employment programs and activities without regard to age, color, gender, disability, height, marital status, national origin, political persuasion, race, religion, sexual orientation, veteran status, or weight. The Anti-Discrimination Judicial Board is an established internal judicial system for addressing complaints of discrimination or harassment.

Information about the University's affirmative action program can be obtained from the Office of Affirmative Action, Compliance and Monitoring, 303 Administration Building, 353-3922.

## STUDENT CONSUMER INFORMATION

Michigan State University seeks to make available to prospective and enrolled students full information on all pertinent matters that would affect their attendance at the University. These matters include academic programs, financial aid programs, eligibility requirements for financial aid, cost of attending the institution, refund policy and, to the extent available, patterns of retention in offered curricula.
Such information may be found in various University publications, such as this catalog and information brochures for prospective students; or inquiries may be made of appropriate MSU administrative offices. Typical sources include:

Office of Financial Aid<br>252 Student Services Building<br>Office of the Registrar<br>150 Administration Building<br>(For enrolled students)

## Office of Admissions and Scholarships <br> 250 Administration Building <br> (For prospective students)

Information on University rules and regulations affecting students also is published in the resource guide Spartan Life and other publications and is available at <<www.msu.edu>>.

## GRADUATION RATES AT MICHIGAN STATE UNIVERSITY

Admission to Michigan State University is based upon academic preparation and ability. To assist students in their educational planning as well as for institutional planning and reporting, each fall first-time freshmen are part of a cohort which is followed to determine the rate of retention at and graduation from Michigan State University.

The decision by a student to take more than four years to complete a program varies from personal to programmatic reasons. The most recent Graduation Rate Survey, based on the 1993 entering cohort, indicates that 64 percent of the entering freshman classes graduate from MSU within six years. Over 90 percent of all anticipated degree recipients have graduated by the end of the fifth year. About 32 percent of an entering cohort, or slightly less than half of those who eventually graduate, do so in four years. These figures compare favorably to data from similar institutions.

In addition, some students in the cohort will eventually graduate at other institutions through transfer or prebaccalaureate entry into professional programs.

## PROGRAMS AND AREAS OF STUDY

Michigan State University offers a wide variety of programs and areas of study that contribute to the overall strength of the University.

Although some programs and areas of study are not available as majors, the following list indicates the breadth and depth of opportunities available to students. In addition, special programs, suited to individual needs and purposes may be arranged, particularly at the advanced levels.

Accounting
Advertising
Aerospace Studies-Air Force
African American Hist Culture
African Languages
African Studies
Agribusiness
Agribusiness Management
Agriscience
Agricultural and Extension Education
Agricultural Economics
Agricultural Technology and Systems Management
Agricultural and Natural Resources Biotechnology
Agriculture
Agriculture and Natural Resources Communications
American Studies
Anatomy

Ancient Studies
Animal Science
Anthropology
Apparel and Textiles
Apparel and Textile Design
Applied Developmental Science
Applied Mathematics
Applied Statistics
Art
Art Education
History of Art
Studio Art
Asian Studies
Astrophysics
Astrophysics and Astronomy
Audiology and Speech Sciences
Biochemistry
Biochemistry/Biotechnology
Biological Science
Biology
Biomedical Engineering

Biosystems Engineering
Biotechnology
Botany and Plant Pathology
Building Construction Management
Business Administration
Business Information Systems
Cell and Molecular Biology
Canadian Studies
Chemical Engineering
Chemical Physics
Chemistry
Chicano/Latino Studies
Child Development
Chinese
Civil Engineering
Clinical Laboratory Sciences
Clinical Social Work
Coaching
Cognitive Science
Commercial Floriculture
Communication
Community Services
Comparative Literature
Computational Chemistry
Computational Mathematics
Computational Statistics
Computer Engineering
Computer Science and Engineering
Connected Learning
Corporate Accounting
Counseling
Counseling Psychology
Counselor Education
Criminal Justice
Crop and Soil Sciences
Crop Production
Crop Science
Curriculum and Teaching
Curriculum, Teaching, and Educational Policy

Dairy Production
Dance
Dietetics
Earth Science
East Asian Languages and Cultures
Ecology and Evolutionary Biology and Behavior
Economics
Education
Educational Psychology
Educational Technology and Instruction Design
Electrical Engineering
Engineering Arts
Engineering for International Service
Engineering Mechanics
English
Critical Study in Teaching of English
Teaching English to Speakers of Other Languages
Entrepreneurship
Entomology
Environmental Biology
Environmental Biology/Botany and Plant Pathology
Environmental Biology/Microbiology
Environmental Biology/Zoology
Environmental Economics
Environmental Engineering
Environmental Geosciences
Environmental Sciences and
Management
Environmental Soil Science
Environmental Studies
Environmental Studies and Applications
Environmental Toxicology
Epidemiology
Family and Consumer Resources
Family Community Services
Family and Child Ecology
Family Studies
Film Studies
Finance
Fisheries and Wildlife
Food Industry Management
Food Processing and Technology
Food Science
Foodservice Management
Forensic Science
Forestry
French

General Business Administration
General Business AdministrationPrelaw
General Management
General Science
Genetics
Geography
Geological Sciences
Geophysics
German
Greek
Health and Humanities
Health Communication
Health Promotion
Higher, Adult, and Lifelong Education
History
Home Economics
Home Economics Education and Outreach
Horse Management
Horticulture
Hospitality Business
Human Biology
Human Environment: Design and Management
Human Medicine
Human Nutrition
Human Nutrition-Environ mental
Toxicology
Human Resource Management
Humanities-Prelaw
Industrial Mathematics
Infant Studies
Instrumental Music Education
Integrated Pest Management
Integrative Management
Interdisciplinary Humanities
Interdisciplinary Studies in Social Science
Interior Design
Interior Design and Facilities Management
International Development
International Relations
Italian
Japanese
Jewish Studies
Journalism
K-12 Educational Administration Kinesiology

Labor Relations and Human Resources
Landscape Architecture
Landscape and Nursery
Large Animal Clinical Sciences
Latin
Latin American and Caribbean Studies
Linguistics
Literacy Instruction
Livestock Production
Logistics
Management Policy and Strategy
Manufacturing Engineering
Manufacturing Management
Marketing
Marriage and Family Therapy
Materials Science and Engineering
Materials Science and Mechanics
Mathematics
Mathematics Education
Measurement and Quantitative Methods
Mechanical Engineering
Medical Technology
Merchandising Management
Microbiology
Military Science—Army
Museum Studies
Music
Composition
Composition and Music Theory
Conducting
Education
Performance
Theory
Therapy
Musicology
Neuroscience
Nonprofit Sector Policy and Administration

Nursing
Nutritional Sciences
Operations and Sourcing Management
Operations Research-Statistics
Organizational and Community Practice
Organizational Behavior-Personnel
Osteopathic Medicine
Packaging
Park, Recreation and
Tourism Resources
Pathology
Pharmacology and Toxicology
Philosophy
Physical Science
Physics
Physiology
Piano Pedagogy
Plant Breeding and Genetics
Policy and Applied Economics
Political Economy
Political Science
Political Science -Prelaw
Political Theory and Constitutional Democracy
Portuguese
Postcolonial and Diaspora Literature
Professional Accounting
Psychology
Public Administration
Public Administration and Public Policy
Public Relations
Public Resource Management
Rehabilitation Counseling
Rehabilitation Counselor Education
Religious Studies
Resource Development
Resource Economics
Russian
Russian and East European Studies

School Psychology
Security Management
Small Animal Clinical Sciences
Social Relations
Social Science
Social Work
Sociology
Soil Science
South Asian Languages
Spanish
Spatial Information Processing
Special Education
Deaf Education
Emotional Impairment
Learning Disabilities
Visual Impairment
Statistics
Stringed Instrument Music Education
Student Affairs Administration
Supply Chain Management
Surgery
Telecommunication
Theatre
Turfgrass Management
Urban and Regional Planning
Urban Studies
Veterinary Medicine
Veterinary Technology
Vocal-General Music Education
Western European Studies
Women's Studies
Zoology
Preprofessional
Dentistry
Law
Medicine
Optometry
Osteopathy
Podiatry
Theology
Veterinary Medicine

## ORGANIZATION

Departments of instruction at Michigan State University are organized into 14 colleges. The colleges, schools, and departments of instruction are:

College of Agriculture and Natural Resources
Agricultural and Natural Resources Education and Communication Systems
Agricultural Economics
Agricultural Engineering
Animal Science
Botany and Plant Pathology
Crop and Soil Sciences
Entomology
Fisheries and Wildlife
Food Science and Human Nutrition
Forestry
Horticulture
Packaging
Park, Recreation and Tourism Resources
Resource Development
College of Arts and Letters
American Thought and Language
Art
English
History
Linguistics and Germanic, Slavic, Asian and African Languages
Music
Philosophy
Religious Studies
Romance and Classical Languages
Theatre
Women's Studies Program
The Eli Broad College of Business
The Eli Broad Graduate School of Management
Accounting
Economics
Finance
Hospitality Business
Management

Marketing and Supply Chain

## Management

College of Communication Arts and Sciences
Advertising
Audiology and Speech Sciences
Communication
Journalism
Telecommunication
College of Education
Counseling, Educational Psychology and Special Education
Educational Administration
Kinesiology
Teacher Education
College of Engineering
Agricultural Engineering
Agricultural Engineeri
Civil and Environmental Engineering
Computer Science and Engineering
Electrical and Computer Engineering
Materials Science and Mechanics
Mechanical Engineering
College of Human Ecology
Family and Child Ecology
Food Science and Human Nutrition
Human Environment and Design
College of Human Medicine
Biochemistry and Molecular Biology
Epidemiology
Family Practice
Medicine
Microbiology and Molecular Genetics
Neurology and Opthalmology
Obstetrics, Gynecology and
Reproductive Biology
Pediatrics and Human Development
Pharmacology and Toxicology

THE ACADEMIC PROGRAM
Organization

| Physiology | Pediatrics |
| :--- | :--- |
| Psychiatry | Pharmacology and Toxicology |
| Radiology | Physical Medicine and Rehabilitation |
| Surgery | Physiology |
| James Madison College | Psychiatry |
| College of Natural Science | Radiology |
| Biochemistry and Molecular Biology | College of Social Science |
| Botany and Plant Pathology | Anthropology |
| Chemistry | Criminal Justice |
| Entomology | Geography |
| Geological Sciences | Labor and Industrial Relations |
| Lyman Briggs School | Political Science |
| Mathematics | Psychology |
| Microbiology and Molecular Genetics | Social Work |
| Physics and Astronomy | Sociology |
| Physiology | Women's Studies Program |
| Statistics and Probability | College of Veterinary Medicine |
| Zoology | Large Animal Clinical Sciences |
| College of Nursing | Microbiology and Molecular Genetics |
| College of Osteopathic | Pathology |
| Medicine | Pharmacology and Toxicology |
| Biochemistry and Molecular Biology | Physiology |
| Family and Community Medicine | Small Animal Clinical Sciences |
| Internal Medicine | Office of the Provost |
| Microbiology and Molecular Genetics | Aerospace Studies-Air Force |
| Neurology and Opthalmology | Military Science-Army |
| Osteopathic Manipulative Medicine |  |
| Osteopathic Surgical Specialties |  |

## DEGREES

Michigan State University grants the following degrees upon satisfactory completion of appropriate programs of study in the departments, schools, and colleges.

| Bachelor of Arts | B.A. |
| :---: | :---: |
| Bachelor of Fine Arts | B.F.A. |
| Bachelor of Landscape Architecture | B.L.A. |
| Bachelor of Music | B.Mus. |
| Bachelor of Science | B.S. |
| Bachelor of Science in Nursing | B.S.N. |
| Master of Arts | M.A. |


| Master of Arts for Teachers | M.A.T |
| :---: | :---: |
| Master of Business Administration | M.B.A. |
| Master of Fine Arts | M.F.A. |
| Master of Labor Relations and Human Resources. | M.L.R.H.R |
| Master of Music | M.Mus. |
| Master of Science in Nursing | M.S.N. |
| Master of Public Administration | M.P.A. |
| Master of Science. | M.S. |
| Master of Social Work | M.S.W. |
| Master in Urban and Regional Planning. | M.U.R.P. |
| Educational Specialist | Ed.S. |
| Doctor of Medicine | M.D. |
| Doctor of Musical Arts | D.M.A. |
| Doctor of Osteopathic Medicine | D.O. |
| Doctor of Philosophy | Ph.D. |
| Doctor of Veterinary Medicine | D.V.M. |

Undergraduate programs and degree requirements are described in a section entitled Undergraduate Education; graduate programs and degree requirements, in a section devoted to Graduate Education. For detailed information about the programs of study and requirements in the colleges and their schools and departments, the section in Academic Programs describing each college should be consulted.

## TEACHER CERTIFICATION

For information about teacher certification opportunities, options, and requirements, refer to the statement on TEACHER CERTIFICATION in the Department of Teacher Education section of this catalog.

