

# MICHIGAN STATE UNIVERSITY

East Lansing 48824



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## Michigan State University

In 1855 the Michigan Legislature passed Act 130 which provided for the establishment of the Agricultural College of the State of Michigan and appropriated “twenty-two sections of Salt Spring Lands for its support and maintenance . . .” and \$40,000 to carry the college through its first 2 years of operation. The school was formally opened and dedicated on May 13, 1857, at what is now East Lansing, the site of the present Michigan State University. Michigan State University was the **first agricultural college in the nation**, and the prototype for 69 land-grant institutions later established under the Morrill Act of 1862.

The curriculum during the first years emphasized agricultural science and rural leadership. Gradually the program of study was expanded to include engineering, home economics, veterinary medicine, and forestry; then education, journalism, history, chemistry, music, human medicine, and osteopathic medicine. Other academic changes in response to contemporary needs have been expansion of agriculture to include natural resources and the extension of home economics to human ecology. Today undergraduates may choose a major field of study from among 170 programs, and graduate study is offered to advanced students through 71 departments — all taught by a faculty/academic staff of approximately 4,400 in 14 operating colleges. In addition, the **Honors College** provides extended educational opportunities for the exceptional student, and the MSU-Detroit College of Law offers numerous dual degree programs with MSU graduate colleges.

Within the academic colleges are several schools, programs and institutes which typify the land-grant approach to education, emphasizing teaching, research, and outreach. Among these are the School of Packaging, the Institute of Agricultural Technology, the School of Hospitality Business, International Studies and Programs, the School of Labor and Industrial Relations, the School of Criminal Justice, the School of Social Work, the Institute for Children, Youth, and Families, the School of Journalism, the School of Music, and Urban Affairs Programs.

The university conducts the **nation's largest residence hall program** and includes a “campus-within-a-campus” environment with classrooms, study areas, faculty offices, and dining facilities combined with many living units. Approximately 17,000 students live in campus residence halls.

The university's name was changed from Agricultural College of the State of Michigan to State Agricultural College in 1861, to Michigan Agricultural College in 1909 and to Michigan State College of Agriculture and Applied Science by an act of the Legislature in 1925. This name was changed to Michigan State University of Agriculture and Applied Science, effective July 1, 1955. In the new constitution approved in April 1963, the name was changed to Michigan State University. Michigan State University is under the control of the Board of Trustees.

The original tract of land in East Lansing consisted of 677 acres. Additional lands were purchased and the present campus and farms cover about 5,192 acres of which 2,100 acres are in existing or planned campus development. On-campus enrollment Fall Term 2000 was 43,366. Nearly 76,000 people each year attend more than 2,400 conferences and educational meetings and others benefit from off-campus courses and degree programs offered at regional locations throughout the state.

Structures of special note include Beaumont Tower, which marks the site of the first building in America built for the teaching of scientific agriculture; the **Wharton Center for the Performing Arts**, completed in 1982, is a cultural center for the campus and the area; the Michigan State University Museum has exhibits on Michigan history, plant and animal life, and human culture; **Kresge Art Museum**; the library, containing over 4 million volumes and documents; and academic residence halls, which offer small campus settings within the larger university community. The Alumni Memorial Chapel is a memorial to all former students of Michigan State University who died while serving their country. The Breslin Student Events Center hosts many special events and is home to the men's and women's basketball teams.

A unique building on the campus, which is designed specifically for conference and adult education work, is the **Kellogg Hotel and Conference Center**. This 7-story facility is the headquarters for the nation's largest laboratory for hospitality business students. The Kellogg Center was built largely through a grant from the W. K. Kellogg Foundation in 1951 and was expanded in 1955 and 1959 through additional funds from the foundation. In 1990, a 5-year remodeling and renovation program, costing approximately \$32 million, \$5 million of which was provided by the foundation, was completed. More than 250,000 visitors, including conferees; university faculty, staff, and students; alumni; and the general public utilize the Kellogg Center facilities each year.

Building on agricultural research that started more than a century ago, MSU is now recognized as one of the nation's leading research and graduate universities. The faculty conducts a widely varied research program involving thousands of projects funded primarily by federal agencies, and

also by industrial firms, foundations, and organizations, as well as state and local government. Research expenditures total about \$180 million annually in support of the discovery of new knowledge in the natural and social sciences and applied areas such as medicine, agriculture, engineering, communications, and teaching.

The **National Superconducting Cyclotron Laboratory (NSCL)** is the most advanced rare isotope research facility in the United States. Research at the NSCL aims at elucidating the origin of the elements in the cosmos and the nature of nuclear matter. Funded by the National Science Foundation and MSU, the NSCL operates two superconducting cyclotrons: the K500, the first accelerator to use superconducting magnets, and the K1200, the highest-energy continuous beam accelerator in the world. Together with a powerful array of detectors and computers, these cyclotrons are used for advanced research in many areas of nuclear science and cross-disciplinary applications by more than 500 scientists from the U.S. and abroad. The recently completed coupled cyclotron facility makes it possible to produce intense beams of rare isotopes. Many of them are so short-lived that they do not exist naturally on earth, but they play an important role in the ongoing synthesis of the elements in the cosmos. The laboratory has earned international recognition for its basic research and for its pioneering innovations in accelerator design, including a cancer-therapy cyclotron now operating at Harper Hospital in Detroit. The laboratory is playing a leadership role in developing the new Rare Isotope Accelerator (RIA) concept, that would provide even more advanced capabilities in the future.

Long known for its research in botany, plant pathology, horticulture, forestry, and field crops, MSU is well recognized for the quality and quantity of its plant science programs. This excellence led to establishment on the campus of the **MSU/Department of Energy Plant Research Laboratory**, one of the nation's leading centers for basic research in plant science. A \$29 million plant and soil science building was completed in 1986, and a new biophysical sciences building will include facilities to benefit citizens throughout the state.

In an era when learning across the lifespan has become a necessity for nearly everyone, a growing portion of the adult population is asking for expanded and improved postsecondary education opportunities in order to address a broad array of learning needs. The Office of the Vice Provost for **University Outreach** also works with each of the academic units to expand access to credit and noncredit instructional programs that are both appropriate to the learning needs of adults and consistent with the mission and resources of the University. In addition, Michigan confronts a variety of complex challenges that require University involvement — challenges related to such areas as economic development, youth and family enhancement, environmental quality, and health care access. As part of its land grant mission, Michigan State University, through the Vice Provost for University Outreach, fosters the extension and application of knowledge in order to help address these needs, frequently partnering with community-based organizations.

MSU is putting increasing emphasis on policies and programs that enable the discoveries and the expertise of its faculty to contribute more readily to the economic development of the state. It has assumed a leadership role in fostering the development of biotechnology firms, and is a key player in the statewide **Life Sciences Corridor** initiative which brings research universities and research institutes together to improve the health and well-being of Michigan residents. It has also assumed a leadership role in making advanced materials research more easily available to metal and plastics fabricating firms that have traditionally composed a major segment of the Michigan economy. At the same time, the University provides direct assistance to small- and medium-sized businesses through the International Business Center, the Food Industry Institute, the Travel, Tourism and Recreation Resource Center, and Executive Programs, as well as other campus units that support economic development needs.

Education and the arts are extending into thousands of homes via Michigan State University's television station, WKAR-TV and radio station, WKAR-FM and WKAR-AM.

**Michigan Agricultural Experiment Station** research has always been a prominent activity of Michigan State University. The Experiment Station, which was organized in 1888 at the Michigan Agricultural College with the support of federal funds, is now the largest research arm of Michigan State University, serving 23 academic departments in 5 colleges. Currently the station receives in excess of \$4.8 million yearly from federal sources and through direct appropriations by the state legislature in excess of \$29 million.

The mission of the Michigan Agricultural Experiment Station is to provide a viable research and development program in Michigan for agriculture, natural resources, and rural communities. Goals are to provide support for a productive and expanding agriculture for Michigan: develop management strategies for wise utilization of natural resources; protect crops, livestock, forests, and other natural resources from pests and other hazards; develop new products; promote greater efficiency in production, processing, storage, transportation, and marketing; better human nutrition; wise

community and institutional development; improved housing and human well-being; assist developing countries; and expand export markets for Michigan-produced commodities.

The Michigan Agricultural Experiment Station is staffed by over 290 faculty members who devote some or all of their time to research. In addition to paying portions of their salaries, the station supports their research efforts by employing many research specialists, technicians, and graduate research assistants. In addition to laboratories on the Michigan State University campus in East Lansing, there are 15 field stations throughout the state: Clarksville Horticultural Experiment Station, Clarksville; Dunbar Forest Experiment Station, Sault Ste. Marie; W. K. Kellogg Biological Station, Hickory Corners; W. K. Kellogg Experimental Forest, Augusta; Lake City Experiment Station, Lake City; Merrilat Equine Center, Adrian; Montcalm Research Farm, Lakeview; Muck Soils Research Farm, Laingsburg; Northwest Michigan Horticultural Experiment Station, Traverse City; Fred Russ Forest Experiment Station, Decatur; Saginaw Valley Bean and Beet Research Farm, Saginaw; Southwest Michigan Research and Extension Center, Benton Harbor; Trevor Nichols Research Complex, Fennville; Upper Peninsula Experiment Station, Chatham; and Upper Peninsula Tree Improvement Center, Escanaba.

MSU operates seven exceptional public gardens. The **MSU Garden Consortium** includes the W. J. Beal Botanical Garden, Horticultural Demonstration Gardens, Clarence E. Lewis Landscape Arboretum, Michigan 4-H Children's Garden, Butterfly House, Campus Woody Plant Collection, and Hidden Lake Gardens located in Tipton, Michigan.

The **Michigan State University Extension** — founded in 1914 as part of the national Extension nonformal education system — helps people improve their lives through an educational process focusing on research-based instruction, consultation, demonstration and problem-solving programs on priority issues and needs. Extension's mission and operating philosophy require it to anticipate society's changes and concerns and to provide the best education possible to empower Michigan citizens to deal with those changes and concerns. Operating in a synergistic manner with the Agricultural Experiment Station, MSU Extension provides research-based educational programs to citizens in all 83 Michigan counties. MSU Extension program areas — agriculture and natural resources, children, youth and families, and community and economic development across the campus — draw on the campus expertise of academic departments and other administrative units.

Though Extension provides a broad range of educational programs, it is giving special attention to: agricultural competitiveness, integrated pest management, food safety, water quality, environmental quality, economic development, animal agriculture, forestry, youths and families at risk, parenting for low-income parents, 4-H urban expansion, leadership development, and technical assistance and leadership development for local government.

Six **regional outreach offices** help bridge the needs of the state with the resources of the campus. Located in metropolitan Detroit, Kalamazoo, Grand Rapids, Midland, Traverse City, and Marquette, these offices work closely with Michigan's 29 community colleges, the 83-county Extension network, and other educational providers. MSU also has an Admissions Office located at the Wayne County Extension Office.

<i><b>Credit Enrollment (fall head count)</b></i>	<i><b>1998</b></i>	<i><b>1999</b></i>	<i><b>2000</b></i>
On-campus .....	43,189	43,038	43,366

### **STATEMENT OF OPERATING REVENUES AND EXPENDITURES**

<i><b>Operating Revenues (all funds)</b></i>	<i><b>1998-1999</b></i>	<i><b>1999-2000</b></i>
State Appropriations .....	\$ 343,150,745	\$ 362,416,181
Student Fees .....	242,994,761	248,128,278
Gifts, Grants and Federal Contracts .....	218,349,689	250,052,678
Other Income .....	283,130,828	289,569,264
<b>TOTAL REVENUES .....</b>	<b>\$1,087,626,023</b>	<b>\$1,150,166,401</b>

<i><b>Operating Expenditures (all funds)</b></i>		
Instruction and Departmental Research .....	\$ 339,149,312	\$ 353,409,717
Organized Research .....	158,656,719	178,417,219
Public Service .....	119,932,523	138,934,321
Student Services and Student Aid .....	71,164,444	74,511,310
Other Expenditures .....	321,154,873	335,835,871
Transfers (Mandatory and Other) .....	56,198,179	48,003,873
<b>TOTAL EXPENDITURES .....</b>	<b>\$1,066,256,050</b>	<b>\$1,129,112,311</b>