



Other Departments and Offices for RESEARCH and SERVICES

Like other major universities, Michigan State University maintains a range of structural units to support activities and functions which, collectively sustain an environment in support of the intellectual enterprise that is Michigan State University. Such activities and functions include research; outreach and engagement programs; cultural events; health, counseling, and recreative services; and public information.

Some of the major units are described in the statements that follow.

INTERNATIONAL STUDIES and PROGRAMS

Jeffrey Riedinger, Dean

Michigan State University conducts active programs of international education, research and outreach and engagement on the East Lansing campus and in numerous locations abroad. The university's international dimension is coordinated and facilitated by the Office of International Studies and Programs (ISP). The wide array of activities and programs gives students, faculty and staff at Michigan State University numerous ways to explore global issues and to gain global experience and competence. Faculty members, in virtually every discipline, conduct international research and continue to enhance Michigan State University courses with relevant international dimensions.

On campus in East Lansing, ISP geographic and thematic units include the African Studies Center, Asian Studies Center, Canadian Studies Center, Center for Gender in Global Context, Center for Latin American and Caribbean Studies, and the Center

for European, Russian and Eurasian Studies. Through its colleges, Michigan State University offers area-specific specializations in African Studies, Asian Studies, Latin American and Caribbean Studies, Russian and East European Studies, Western European Studies, and Muslim Studies. International specializations include international agriculture; international business; international development; gender, justice and environmental change; and women, gender and social justice. A growing number of international education options are available in academic programs throughout the university.

The Center for Advanced Study of International Development, the Center for International Business Education and Research, the Center for Language Education and Research, the Institute of International Agriculture, the Institute of International Health and the Office of International Studies in Education coordinate numerous activities with the colleges of Agriculture and Natural Resources, Arts and Letters, Broad Business, Education, Human Medicine, Osteopathic Medicine, Nursing, and Social Science among others. Michigan State University has five centers that are designated as national resource and language resource centers through the U.S. Department of Education Title VI program.

Michigan State University's study abroad programs are facilitated and overseen by ISP. Its Office of Study Abroad coordinates the offering of more than 260 Michigan State University programs in over 60 countries worldwide ranging from the study of English literature in London; to natural resources in Brazil; to education, society and learning in South Africa; to studies in Antarctic system science in Antarctica and Argentina. ISP administers the Japan Center for Michigan Universities on behalf of the 15 Michigan public universities that comprise the consortium. The center's programs are dedicated to building relationships among Japanese, Americans and other nationalities through active learning and participation in language, culture and internships.

RESEARCH AND SERVICES

International Studies and Programs

ISP oversees the Office for International Students and Scholars, which is responsible for serving approximately 1,000 visiting international scholars and more than 5,000 international students annually on campus. ISP facilitates the development of linkages between Michigan State University and a variety of international institutions and currently maintains approximately 180 collaborative agreements worldwide. The significant relationships and mutual contacts that have developed through these agreements promote enriching opportunities for exchanges of faculty, staff and students.

In order to draw upon the broad range of disciplines and expertise of Michigan State University's faculty, staff and researchers, the Office of International Research Collaboration was established at Michigan State University to provide technical support and assist faculty to develop multidisciplinary, multi-investigator, multi-college external grant proposals. ISP also oversees the Peace Corps Strategic Recruiting Office at Michigan State University.

Michigan State University conducts joint research and development programs with many countries in Africa, Asia/Oceania, Europe and Latin America. These projects may be supported through agreements with other governments, the U.S. Agency for International Development, other U.S. government agencies, the World Bank or private foundations.

For more information, call 1-517-355-2350 or visit www.isp.msu.edu.

African Studies Center

James Pritchett, *Director*

Founded in 1960, the African Studies Center promotes understanding of Africa on campus, in the State of Michigan, and throughout the nation. It is one of the most prominent centers for the study of Africa in the nation with 150 Michigan State University faculty with expertise on Africa. To this end, it encourages teaching and research concerning Africa and reciprocal linkages with Africans and African institutions. The center is not a degree-awarding unit. Rather, it generates and promotes Africa-related perspectives through departmental teaching programs at the undergraduate and graduate levels, and through interdisciplinary programs. Fellowships are awarded by the Center for African Language and Area Studies in departments in which there are African studies faculty. Disciplines represented by the faculty of the center are found in the following colleges and departments: College of Agriculture and Natural Resources (Agricultural Economics; Animal Science; Crop and Soil Sciences; Fisheries and Wildlife; Food Science and Human Nutrition; Horticulture; and Community, Agriculture, Recreation and Resource Studies), College of Arts and Letters (Art and Art History; English; French, Classics and Italian; Linguistics, and Germanic, Slavic, Asian and African Languages; Religious Studies; and Spanish and Portuguese), College of Communication Arts and Sciences (Journalism), College of Education (Educational Administration; and Teacher Education), College of Human Medicine (Epidemiology; and Pediatrics and Human Development), College of Music (Music), College of Natural Science (Physiology), College of Nursing (Nursing), College of Osteopathic Medicine (Family and Community Medicine; Neurology and Ophthalmology), College of Social Science (Anthropology; Economics; Family and Child Ecology; Geography; History; Labor and Industrial Relations; Political Science; and Sociology), and the College of Veterinary Medicine (Pathobiology and Diagnostic Investigation).

Students may concentrate work on Africa as an area and draw on other African studies courses outside their disciplines.

An undergraduate specialization in African Studies and a Global and Area Studies major are available for interested students. For additional information, refer to the statement on the

specialization and the major in the *College of Social Science* section of this catalog. More than 20 study programs in Africa are available for shorter periods and semesters.

The Department of Linguistics and Germanic, Slavic, Asian and African Languages currently offers courses in Arabic, Hausa, and Swahili. By special arrangement, instruction is available in 30 African languages. Languages include: Acholi, Akan/Twi, Amharic, Bambara/Dyula/Mandingo, Bemba, Fula (Fulfulde, Pulaar), Igbo, Kikuyu, Kinyarwanda, Kpelle, Krio, Lingala, Luganda, Malagasay, Mende, Nyanja/Chichewa, Oromo, Sesotho, Shona, Somali, Temne, Tigrinya, West African Pidgin, Wolof, Xhosa/Zulu, and Yoruba.

The center administers an Outreach Program including the African Media Program which evaluates instructional materials about Africa and brings Africa-related materials into schools, colleges and universities, adult education programs, youth groups, community institutions, businesses, and the media.

The center publishes *Northeast African Studies* through the MSU Press. The center also distributes the African Studies Center Newsletter and the weekly *Tuesday Bulletin*.

For more detailed information, visit www.africa.msu.edu.

Asian Studies Center

Siddharth Chandra, *Director*

The Asian Studies Center was established in 1962 to further knowledge and understanding of the countries of Asia, with a concentration on East Asia. In 2000, the center became the nation's first all-Asia National Undergraduate Resource Center, expanding the center's focus to include regions as diverse as Central and Southeast Asia.

The center's primary function is to enrich education in the social sciences, humanities, and professional school training through Asia-centered curricular, extra-curricular, and outreach activities. A primary mission is to educate people who wish to become area specialists and integrate knowledge of Asia into their disciplinary studies. The center is designed to strengthen undergraduate and graduate academic programs, stimulate research and publications, aid in reciprocal linkages with Asian institutions, and facilitate activities in other related areas.

The center coordinates Asian Studies offerings of the various disciplines on campus. Students are enrolled in the participating colleges and departments and receive credit through regular channels. An undergraduate degree program in East Asian Languages and Cultures, an Asian concentration in the Global and Area Studies B.A. program, and a specialization in Asian Studies are available. For additional information on degree programs, refer to the *College of Social Science* and the *Department of Linguistics and Germanic, Slavic, Asian and African Languages* in the *College of Arts and Letters* sections of this catalog.

Asian languages taught in the Department of Linguistics and Germanic, Slavic, Asian and African Languages include Chinese, Japanese, Hindi, Nepali, Vietnamese, Tagalog, Thai, Korean, and others. Other academic units offering courses on Asia include Agricultural Economics, Anthropology, Art and Art History, Economics, Geography, History, James Madison, Philosophy, Political Science, Religious Studies, and Sociology. Interdisciplinary courses on Asia are offered at the undergraduate level to provide a stimulating introduction to the area and to encourage further course work. Graduate students may receive funding through the Foreign Language and Area Studies (FLAS) grant program for advanced Asian language study in furtherance of their programs of study.

The center's activities include bringing distinguished scholars as visiting professors to the campus in cooperation with interested departments, and inviting other specialists to the campus for lectures or seminars, and to meet with faculty and students.

The center also arranges special institutes on research and teaching and secures research support for faculty and graduate students.

The center houses several Asian country councils and various undergraduate and graduate student academic award programs.

Canadian Studies Center

AnnMarie Schneider, *Director*

The Canadian Studies Center is a multi-disciplinary unit with over seventy faculty and graduate students representing over thirty departments, the Libraries, and the Michigan State University Museum. The Center's mission is derived from Michigan State University's land-grant ethic of teaching, research, and outreach. Since its inception in 1958 as a faculty interest group, the Canadian Studies Center has become a major generator of scholarship related to Canada in the United States. Michigan State University faculty offer a broad array of courses, both undergraduate and graduate, and are involved in diverse research and outreach activities focusing on Canada and its relations with the United States, Latin America, the Pacific Basin, and Europe.

In partnership with the Canada-U.S. Fulbright program, the Center annually hosts a senior Canadian Visiting Scholar and regularly arranges visits to campus of distinguished Canadian scholars, government personnel, and artists who lecture in courses, conduct seminars and colloquia, and consult with students and faculty. The annual CN Forum on Canada-U.S. Relations provides an opportunity for students and government and business leaders from Michigan and Ontario to meet with national leaders to discuss issues of common concern. Other special events such as conferences, film series, and art exhibits are presented. The Center supports the Freshman Seminar Abroad in Quebec City and seeks to make resources available to Michigan public schools and programs. In addition, Center faculty consult with the private and public sector on issues affecting Canada and maintain inter-institutional relationships with Canadian universities. The Michigan State University Libraries rank among the top ten U.S. libraries in its support of Canadian Studies programs. The MSU Press is a major U.S. publisher of scholarly books and monographs on Canada.

Center for European, Russian and Eurasian Studies

Norman Graham, *Director*

Michigan State University offers hundreds of undergraduate and graduate courses relating to Europe, Eurasia, and the former Soviet Union. The center facilitates teaching, research, and outreach activities relating to these areas. There are two undergraduate specializations directly associated with the Center: the Western European Studies specialization and the Russian and East European Studies specialization. MSU faculty direct study-abroad programs in ninety-five countries in the region, including among others, Belgium, Czech Republic, France, Germany, Romania, Russia, Turkey, Ukraine and the United Kingdom.

The center coordinates visiting speakers, film series, and conferences and workshops of interest to students, faculty, and the surrounding community. Numerous opportunities for study in Europe, Russia, and Eurasia are available, with support from the center's 80 core faculty and numerous linkage agreements with universities throughout Europe. The center also serves as a resource for elementary and secondary schools as well as for civic organizations and groups throughout the State.

For information about the Specialization in Russian and East European Studies, refer to the *College of Arts and Letters* section of this catalog. For information about the Specialization in Western European Studies, refer to the *James Madison College* sec-

tion of this catalog. For additional information about the center and study abroad opportunities in the region, visit our Web site at www.isp.msu.edu/CERS.

Center for Latin American and Caribbean Studies

Robert Blake, *Director*

The Center for Latin American and Caribbean Studies (CLACS) facilitates learning about this core region of the Americas. It is the nexus between the university curriculum, functional pathways that bring together students from diverse colleges, and fruitful collaborations with other institutions in the U.S. and in the region. CLACS enriches formal instruction with experiential learning abroad, film and seminar series, visiting scholars, sponsored events, faculty and student research, and ready access to scholarly resources through campus repositories and loan programs. By situating disciplinary and language learning in cultural, historical, geographic and cross-cultural frames, students and faculty are expected to learn about the global cultural context surrounding—often permeating—professional behavior. All are expected to become more ethno-sensitive, more culturally aware and more at home in a global community.

Academic units across the university offer courses with substantial Latin American and Caribbean content. A wide range of cultural and Spanish and Portuguese language offerings are available. Undergraduate students are served by a specialization program, experiential learning opportunities and scholarships. Information about the Specialization in Latin American and Caribbean Studies is found in the *College of Social Science* section of this catalog.

The director of CLACS is assisted by an elected advisory council that represents the more than 150 faculty members affiliated with the Center. Drawn from across the university, the membership facilitates opportunities for graduate and undergraduate students and other faculty.

Office for International Students and Scholars

Peter Briggs, *Director*

The Office for International Students and Scholars (OISS) provides services for students and scholars from over 130 countries who enroll, conduct research, or engage in teaching at Michigan State University. These services include advising on immigration procedures, financial needs, and personal concerns to promote a successful experience at Michigan State University. Educational programs provided by OISS include orientation sessions, workshops, and cultural events designed to acclimate students and scholars to the Michigan State University community. The Office for International Students and Scholars is Michigan State University's primary information resource on issues related to international students and scholars; it collaborates with the offices of Admissions, Registrar, and Financial Aid, in addition to academic colleges, departments, and schools. The office acts as a liaison with community, national, and international organizations and agencies on international student and scholar issues.

Office of Study Abroad

Brett Berquist, *Director*

Michigan State University has established itself as a national leader in study abroad by sending more of its students across international borders than any other public university in the United States. Participating in Michigan State University's top-rated program helps its students prepare for our global society – gaining the knowledge, skills and attitudes that will prepare them for the challenges of living and working in a globalized world. An increas-

ingly common component of excellence in higher education today, study abroad is an integral part of the undergraduate experience, especially at Michigan State University, where currently, over thirty-two percent of Michigan State University graduates participate in study abroad. With over 260 study abroad programs including every continent – from Asia to Antarctica – students can travel to more than 60 countries. A wide variety of courses abroad are available including Integrative Studies, required elective, and internship courses. Programs take place during every semester including winter and spring breaks, which, in combination with the diverse course selection and the variety of locations makes it possible for all majors to participate. Additionally, Michigan State University offers a Freshman Seminar abroad, which takes place the summer prior to a student's first fall semester on campus.

Students are encouraged to explore study abroad opportunities as early as the summer before their freshman year. To contact the Office of Study Abroad, visit 109 International Center, call (517) 353-8920, e-mail studyabroad.msu.edu or log-on to www.studyabroad.msu.edu.

For additional information, see the *Guest Status at Another Institution* in the *Undergraduate Education* section of this catalog.

Center for Gender in Global Context

Anne Ferguson and Lisa Fine, *Co-Directors*

The Center for Gender in Global Context (GenGen) promotes teaching, research, and outreach on processes of global change including flows of ideas, peoples, trade, and communication networks and how they affect gender and other social inequalities around the world, across the nation, and at home. The center's approach is multi-disciplinary, comparative, transnational, and transcultural, bringing together faculty and students in the natural sciences, social sciences, humanities, agriculture and natural resources, and medical and professional fields. Attention is given to the intersections of gender identities with racial, ethnic, sexual, socioeconomic, and other differences.

The center houses the Women and International Development (WID) Program, which acts as a catalyst for the scholarly discussion of how processes of international development and global change affect women and gender relations. WID and the Center for Advanced Study of International Development (CASID) are recognized as a National Resource Center by the U.S. Department of Education, Title VI Program. The *WID Bulletin*, an information source on new materials in international development and gender studies, is published by WID three times a year. WID also publishes *Working Papers on Women in International Development*, one of the longest-standing series of its kind. Title VI-related resources for faculty research initiation and course development are made available to affiliated faculty.

The center works with colleges to develop innovative academic programming on gender and global change.

Through its grant-writing services, the Center for Gender in Global Context promotes interdisciplinary, gender-focused faculty research. The center and WID sponsor speakers' series, colloquia, and other events during the academic year.

LIBRARIES, COMPUTING and TECHNOLOGY

David Gift, Vice Provost

Libraries, Computing and Technology serves the university's needs in the areas of library services, academic and administrative computing and networking, public radio and television broadcasting, data resources management, classroom technology and instructional media, and online instructional resources.

The Office of the Vice Provost for Libraries, Computing and Technology also is responsible for technology policy development and implementation, faculty technology development, instructional technology planning, and management of budgets.

The following unit directors report to the Vice Provost:

Academic Technology Services

Academic Technology Services (ATS) is committed to providing the more than 55,000 students, faculty, and staff at MSU with the academic technologies they need in support of education, research, and engagement. **Computing Services** operates the centrally-supported learning management system, ANGEL; an extensive network of computer labs and technology classrooms; provisioning and maintenance of MSU's primary electronic authentication mechanisms (MSU NetID); and electronic attendance and test scoring services. **Media Services** provides complete audiovisual and communication services; offers computers and software at academic discounts through the MSU Computer Store; and supports instructional technology in classrooms and computer labs including tech podiums, data/video projectors, and sound systems. Consultation and engineering services for units designing rooms dedicated to video conferencing and distance learning are also provided. **Network Services** designs, manages, and secures the university network, MSU Net Wireless service, and Internet access on campus. **Support Services** provides students, faculty, and staff with MSU's central e-mail system; AFS file storage and Web page space; technology education and training; Web site design and Web hosting services; and oversight of the academic datacenter including virtualization and colocation services. **User Services** provides face-to-face, telephone, and online computing support and repair services. Information about ATS including a list of services is available at www.ats.msu.edu.

Administrative Information Services

Administrative Information Services (AIS) builds, integrates, operates and supports administrative information technology solutions that contribute to the success of the university's mission. Its major services include developing and maintaining systems and data to sustain core university support and academic administration functions such as student records, course enrollment, financial aid, student billing, student payment processing, university financial records, payment card processing, human resources, and alumni/donor records.

AIS functions include operation of: data center housing for diverse university administrative systems; data warehouses for reporting use; web and application hosting for university units; office systems support; a Service Desk; and related technology training.

Broadcasting Services

WKAR-TV provides public television service on channel 23 and digital channel 40 and is affiliated with the Public Broadcasting Service (PBS) and the Michigan Association for Public Broadcasters (MAPB). Broadcasting Services also operates university radio stations, WKAR-AM at 870 and WKAR-FM at 90.5.

All the stations provide entertaining, educational and culturally enriching programming to university faculty, staff and students as well as to the citizens living in their mid-Michigan viewing and listening area. Content produced and by each of the stations is streamed via the Internet at www.wkar.org.

WKAR Radio also offers a specialized broadcast service for persons with visual disabilities. The Radio Reading Service is presented twenty-four hours a day via a subchannel of WKAR-FM.

WKAR-AM-FM are affiliated with the National Public Radio and the Michigan Public Radio Network through which some programming is obtained. Satellite-distributed teleconferences of varied types and for a variety of instructional and informational purposes are organized by Broadcasting Services through its Interactive Video Services. Michigan State University cooperates with many originating groups and networks in hosting teleconferences for professional and public groups, as well as for university audiences. Broadcasting Services coordinates these activities and also produces teleconference originations in both audio and video formats for university groups as well as for external educational groups.

Enterprise Business Systems Projects

Enterprise Business Systems Projects (EBSP) manages a portfolio of large-scale projects for the design and implementation of an integrated set of administrative business systems for Michigan State University. The initial functional foci of these projects is to upgrade and replace financial, human resources and research administration information systems. As the projects advance, overall systems architecture will become more modular and service oriented. Redesign and upgrade of foundational components such as security, identity management, middleware, data warehouses and analytic tools will also occur.

Enterprise Information Stewardship

The Enterprise Information Stewardship Office facilitates and coordinates the management of the university's data resources. The office oversees the development and maintenance of its information technology policy framework in support of Michigan State University's integrated instructional, research and public service mission. Its data administration promotes and facilitates the accessibility, integrity and integration of institutional data assets and systems. The office implements information technology policy to maintain the confidentiality, integrity and security of data and creation and maintenance of a trusted network.

Libraries

The MSU Libraries advance knowledge and promote learning via a world-class collection of information resources, high quality service and technology-rich facilities that encourage both collaborative and independent study.

The Libraries' collections include over five million volumes and access to more than 98,000 serial publications including strong core collections in the sciences, social sciences and humanities. Current collection development emphasizes the shift to digital formats, including not only online scholarly journals but also fulltext databases, visual media and streaming music. Rare and unique materials include early veterinary medicine, turfgrass, Africana,

eighteenth century British history and culture, modern American literature, cookery, natural history, popular culture, radicalism and spoken-word recordings.

Services promote the discovery, effective use of and seamless access to library resources in all formats. Research help is provided by professional librarians in-person and virtually via real-time chat and email. In-depth discipline specific research assistance is available by appointment to all students and faculty. Instruction librarians partner with faculty to integrate information literacy competencies into the curriculum and create effective on-line learning modules. The Digital and Multimedia Center (DMC) maintains a robust digitization and metadata creation program. A growing program area is collaboration with faculty through the creation and curation of digital content and services to enhance learning, teaching, and research. The DMC further assists the MSU community by searching for copyright permissions for protected materials used in classrooms and scholarly research. Distance Learning Services provides support for course management systems and electronic information resources.

The MSU Libraries provide comfortable, welcoming spaces in support of student work including Collaborative Technology Labs with projectors, smartboards, and plasma screens. The Main Library offers wireless access throughout and over 400 computer workstations, making it the largest computer lab on campus. The MSU Libraries' portal is available at www.lib.msu.edu. Contact the Libraries via phone, 1-517-353-8700, or email, <http://www2.lib.msu.edu/contact/askalib-email.jsp>.

Virtual University Design and Technology

Virtual University Design and Technology provides professional and innovative technology enhanced teaching and learning solutions in support of online and blended courses. Services to campus units include: assistance with design, development and offering of online and blended courses; customized designs to meet online instructional goals; creation of interactive learning objects; faculty development opportunities related to instructional technology and online pedagogy; and consultation regarding development of web-based educational materials and online courses and programs.

University Archives and Historical Collections

The Michigan State University Archives and Historical Collections (UAHC) is a place of discovery. More than 150 years of campus history can be explored using photograph collections, student publications, alumni and faculty papers, and records from university presidents and administrative units. Collection highlights of non-University related material include Civil War collections, lumbering industry collections, photographs of the Lansing/East Lansing community, and environmental collections. UAHC staff work closely with teaching faculty to incorporate original historical materials into the learning process.

The University Archives is also responsible for the management of the university's inactive business records, including the preparation of retention schedules for its administrative, fiscal, personnel, and academic records. UAHC assists university units in the efficient administration and management of official paper and electronic records of the university. The UAHC staff provides ongoing support and training to the university community in records management, storage, and retrieval in order to ensure compliance with all relevant state and federal laws and regulations. New workshops provided by UAHC include the management of electronic records, email, research data, and scanned documents.

Materials in the University Archives and Historical Collections are available for use in the reading room by all MSU faculty, staff, students and members of the public. For further information, call 1-517-355-2330, email archives@msu.edu or visit www.archives.msu.edu.

NATIONAL SUPERCONDUCTING CYCLOTRON LABORATORY

C. Konrad Gelbke, Director

Located on south campus, the National Superconducting Cyclotron Laboratory (NSCL) is a major research laboratory. NSCL is administered by the Office of the Provost. External funding is primarily provided by the National Science Foundation (NSF). NSCL is a world-leading laboratory for nuclear and accelerator science research and education. The laboratory staff of approximately 400 includes faculty, postdoctoral fellows, technicians, engineers, and graduate and undergraduate students. NSCL operates a *national user facility* that is available to Michigan State University faculty and students and to scientists from all over the world on the basis of scientific merit. More than 700 scientists from the U.S. and abroad have come to NSCL to do their research. The laboratory houses two superconducting cyclotrons (the K500 and the K1200), a state-of-the art fragment separator (the A1900), sophisticated detection equipment and modern computers for advanced research in many areas of nuclear science.

The laboratory has earned international recognition for its basic research and for its pioneering innovations in accelerator design. Research at NSCL is primarily devoted to basic nuclear science, nuclear astrophysics, accelerator physics and associated instrumentation research and development. Specific areas of current interest include studies of the properties of nuclei with unusual proton-to-neutron ratios and extended distributions of nearly pure proton or neutron-matter, of the role of nuclear physics in the cosmos, e.g., element formation in stars, and of hot, compressed and decompressed nuclear matter. About 5-10% of the beam time is allocated to support cross-disciplinary research including atomic physics, condensed matter physics, space science, and medical applications of nuclear and accelerator physics technology.

The laboratory educates about 10% of the next generation of nuclear scientists for the United States. The 2010 *U.S. News and World Report* ranks Michigan State University's nuclear physics Ph.D. program #1 in the nation. Typically, about 60 graduate students from Michigan State University and other universities use the facilities at NSCL for their graduate work in experimental or theoretical nuclear physics, nuclear chemistry, or accelerator physics. The doctoral degree programs are administered through the academic departments, primarily Physics and Astronomy, and Chemistry. Admission and program of study are subject to the regulations of the appropriate department.

In addition, NSCL plays an important role in undergraduate education, providing experience for undergraduate students in a highly stimulating environment where students are exposed to forefront nuclear science research and technologies ranging from applied superconductivity to accelerators designed for cancer therapy.

The Facility for Rare Isotope Beams (FRIB) Project establishes a U.S. Department of Energy (DOE) Office of Science National User Facility supporting the mission of the Office of Nuclear Physics. FRIB is being designed and established by the FRIB Project at Michigan State University and will adjoin the NSCL

facility. FRIB will provide intense beams of rare isotopes for a wide variety of studies in nuclear structure, nuclear astrophysics, and fundamental symmetries. FRIB will cost about \$600 million and will take approximately a decade to design and establish. Upon completion of the FRIB Project, the DOE will fund operations of the FRIB Laboratory as a national user facility, and NSF support of NSCL operations will end.

For further information, visit www.nscl.msu.edu, www.frib.msu.edu, or email directors@nscl.msu.edu or call 1-517-355-9671.

UNIVERSITY OUTREACH and ENGAGEMENT

Hiram E. Fitzgerald, Associate Provost

Working for the "public good" has always been an important part of the purpose of American higher education. Michigan's citizens rely increasingly on the university for the knowledge they need in many areas of their civic, work, and personal lives. Businesses seek technical assistance, agencies request demographic data, and communities ask for help in problem solving and strategic planning about local educational, health, economic, and social concerns. The Office of the Associate Provost for University Outreach and Engagement facilitates development of university-community partnerships designed to generate evidence-based solutions to community-based concerns, locally and globally. It:

- connects the university and its faculty with agencies, communities, schools, groups, businesses, non-profit and other organizations, professional associations, and varied public and private sector constituencies.
- uses asset-based models to obtain positive outcomes and long-term impacts, and to provide linkages between multidisciplinary faculty teams and external groups, facilitation services, and evaluation research and training.
- uses its facilities for usability and accessibility evaluation, and tests and recommends designs for Web sites and information systems.
- develops and maintains Web sites that catalog a wide variety of Michigan State University's activities and areas of expertise.
- provides seed funding for proposals that include collaborations of external partners and multidisciplinary approaches.
- collaborates with the Office of Student Services and Affairs to facilitate inclusion of service-learning components in undergraduate courses.
- recommends institutional structures, policies, and procedures that will enhance public access to the university's knowledge resources, as a part of its institution-wide mission and mandate.
- works to strengthen outreach and engagement incentives and rewards for faculty and for academic units.
- coordinates networks of faculty around geographical areas and topics of concern.
- encourages and creates opportunities for community-based research for faculty and graduate students.

Across the university, the unit collects data and information about faculty, department, college, and institution outreach and engagement activity and participates in various national higher education benchmarking initiatives. It uses these data to provide

information about what and how much the university is contributing to the public good in a given general locale such as a legislative district or urban area, or about a particular societal issue.

For more information, visit www.outreach.msu.edu or email outreach@msu.edu or call 517-353-8977. For information on statewide programs, see www.srn.msu.edu. To learn about the many youth programs the university offers, see www.spartanyouth.msu.edu. University Outreach and Engagement is housed on the Garden Level, Kellogg Center.

Michigan State University Museum

Gary Morgan, *Director*

The MSU Museum is a multidisciplinary museum of natural sciences and cultural studies. The Museum's core functions are diverse. It is first and foremost an institution of learning and provides education for the widest of audiences through exhibits and related educational programs. The MSU Museum also delivers outreach programs across the state and farther afield through touring exhibits and teleconferenced 'virtual' classes to schools. As part of University Outreach and Engagement, the MSU Museum is committed to engaging the community with knowledge resources of MSU.

The one million objects in the Museum collections span the natural sciences (mostly vertebrate zoology and paleontology), anthropology and archaeology, history and technology, ethnology and folk and decorative arts. These collections support the Museum's public programs – especially the exhibits - and they are also used for coursework for MSU students, especially in the natural sciences and cultural and art studies. Thousands of MSU students engage with the Museum's collections through their courses each year. The collections also support active research programs, by MSU faculty and students, and researchers based around the country and internationally.

Research materials include documented collections of fossil and modern vertebrates (mammals, birds, reptiles, amphibians, and fishes), folk art and folklife, historical materials, and archaeological materials from excavations of sites of early human habitations in the upper Great Lakes region. Collections are under the care of collections managers and curators. Curators may hold joint appointments in various MSU departments. Curators also teach courses within their specialties and direct graduate student research. These collections and the fieldwork required to obtain them are closely correlated with teaching activities and strengthen the research and teaching capabilities of several academic areas. Interested students can participate in Museum fieldwork expeditions. Financial support can be available to assist research studies of students. Research contributions are published widely in refereed and popular media, and in periodic MSU Museum publications.

The MSU Museum collaborates with the Kresge Art Museum and other academic units to offer the Specialization in Museum Studies that is administered by the Department of Art and Art History.

The MSU Museum is the home of the Michigan Traditional Arts Program, the State Folklife Program. Major outreach programs include the Great Lakes Folk Festival and travelling exhibitions service. The Museum provides technical assistance to small museums. Museum staff provide specialist advice to other museums and state agencies in areas relevant to their expertise (natural science, cultural studies, collection care, education, exhibition development).

The programs (collections, teaching, research and public programs) of the MSU Museum have a particular focus on the state of Michigan and the Great Lakes region, but also have strong national and international linkages and coverage. The Museum is a

Smithsonian Affiliate Museum and is accredited by the American Association of Museums.

The MSU Museum occupies several sites on campus. The main building on West Circle Drive houses the public exhibition galleries, together with offices and some collection storage. Long term-exhibitions include Heritage Hall, Hall of World Cultures, Michigan Artists – Passing on Traditions, Hall of Evolution, Habitat Hall, Animal Diversity, and Collections-Connections. In addition to the long-term displays, large and small changing exhibits, events and educational programs are featured throughout the year. Changing exhibits relate to any of the Museum disciplines and increasingly are profiling the nature and impacts of MSU research.

The MSU Museum has a flexible-function, technology-enabled auditorium with seating up to 80. The Museum is available for special events, and some galleries can provide a unique venue experience. The Museum store offers educational and gift items that relate to themes of the displays.

The main public building is open to the public and students from 9:00 a.m. to 5:00 p.m. Monday – Friday, 10:00 a.m. to 5:00 p.m. Saturday, and 1:00 p.m. to 5:00 p.m., Sunday. Students may arrange access to collections outside of these hours by contacting with Museum staff.

Museum collections are also housed at other non-public sites around campus, which can be accessed with the appropriate curator or collections manager.

For more information, visit www.museum.msu.edu; call 1-517-355-7474 for recorded information (exhibits and events) or 1-517-355-2370 for the administrative office, Monday through Friday, 8:00 a.m. to 12:00 p.m. and 1:00 p.m. to 5:00 p.m.; or email prmuseum.msu.edu for general inquiries.

OFFICE OF THE PRESIDENT

Lou Anna K. Simon, President

Office for Inclusion and Intercultural Initiatives

Paulette Granberry Russell, *Director and Senior Advisor to the President for Diversity*

The Office for Inclusion and Intercultural Initiatives serves as an executive-level focal point for the promotion of inclusion and diversity at Michigan State University. Through its leadership and support of university-wide initiatives on inclusive excellence, it strengthens and creates a supportive environment for the Michigan State University community, fostering inclusion, diversity, institutional equity, and intercultural understanding. It facilitates collaboration within and across units through assessment and education which promotes and enhances equity, respect, civility, and accountability.

The office ensures university's compliance with state and federal laws, and encourages best practices to promote a culture of inclusion. It is also responsible for investigating allegations of prohibited discrimination and harassment and provides training to recognize and prevent such incidents.

The Office serves as the primary resource to the president, provost and various other university officials on issues of diversity and inclusion. The coordination of all these endeavors leads to greater coherence and connectivity of inclusiveness at Michigan State University and beyond.

For more information, visit www.inclusion.msu.edu or call 1-517-353-3922.

RESEARCH AND SERVICES Office of the President

Research Integrity Officer

James Pivarnik, Research Integrity Officer

The Research Integrity Officer (RIO) is responsible for ensuring the MSU Procedures Concerning Allegations of Misconduct in Research and Creative Activities are carried out in an unbiased, confidential, and professional manner. Research Misconduct includes fabrication, falsification, plagiarism, or any other practice, that seriously deviates from practices commonly accepted in the discipline or in the academic and research communities generally in proposing, performing, reviewing, or reporting research and creative activities. Misconduct does not include honest error or honest differences in the interpretation or judgment of data. Initial inquiries regarding potential research misconduct cases are held in strict confidence. The RIO is located in 107 Olds Hall and can be reached at 1-517-432-6698 or by email at rio@msu.edu. Visit www.rio.msu.edu for more information.

Alumni Lifelong Education Programs

Alumni Lifelong Education, a division of the Michigan State University Alumni Association, seeks to engage and serve alumni and communities. It incorporates Michigan State University's Boldness by Design Initiatives that feature the guiding values of quality, inclusiveness, and connectivity by offering non-credit personal enrichment learning opportunities to all adults including Michigan State University alumni, friends, students, faculty, staff, retirees, and community members. Mutually beneficial relationships are created and nurtured between Michigan State University, the Michigan State University Alumni Association, and program participants at local, national, and global levels.

Alumni Lifelong Education administers the fall and spring semesters of Evening College, the annual Odyssey to Oxford residential study program at England's University of Oxford, three semesters of Oxford's online courses, local retirement facility programs, a community fitness program for seniors, and the Evening College Endowment Fund.

Established in 1951, Evening College annually offers over 150 evening and weekend non-credit, university-level courses attracting over 2,000 adults from the mid-Michigan area. Courses, including online courses, are offered cooperatively with Michigan State University faculty, graduate students, retirees, alumni, and guest lecturers, and tutors from Oxford.

The annual Odyssey to Oxford lifelong education program offers all adults a two-week residential study program at the University of Oxford, famous as a great center of learning since the 12th century. Participants enroll in non-credit personal enrichment courses taught by Oxford tutors and choose a course of study from topics such as British history, archaeology, theatre, art, or literature.

Alumni Lifelong Education is located at 242 Spartan Way, Stadium Tower, phone 1-517-355-4562, by email at evening_coll@msu.edu or www.alumni.msu.edu/evcoll.

University Ombudsman

Stanley I. Soffin, University Ombudsman

The University Ombudsman is a senior faculty member appointed by the President to help students resolve disputes in a confidential, impartial, and informal manner. After assessing the validity of each complaint, the Ombudsman advises students on possible remedies and, where indicated, actively assists students in securing a fair resolution of the matter. The Ombudsman also advises faculty, administrators, and staff of university policies and regulations that might guide their decisions. To support these efforts, the Ombudsman has broad powers of investigation, including direct and ready access to university officers and faculty and to official records. Communication with the Office of the Ombudsman does

not put the university on notice. The Office of the Ombudsman was established in 1967 with the adoption of *Academic Freedom for Students at Michigan State University*. For further information, see www.msu.edu/unit/ombud, or e-mail ombud@msu.edu or call 1-517-353-8830.

OFFICE OF THE PROVOST

Kim A. Wilcox, Provost

The Provost and Vice President for Academic Affairs is the principal academic officer of the university with administrative responsibility for the colleges including the Michigan State University College of Law, academic programs, and all academic units including the Honors College, International Studies and Programs, and the National Superconducting Cyclotron Laboratory.

The Office of the Provost has responsibility at the dean's level for the Department of Aerospace Studies and the Department of Military Science.

The Office of the Provost also has administrative responsibility for the academic support units: Academic Human Resources, Academic Services (including the Office of Admissions, the Office of Financial Aid, and the Office of the Registrar), Academic Student Services and Multicultural Issues, Office for Inclusion and Intercultural Initiatives (jointly with the Vice President for Finance and Operations), Environmental Safety (jointly with the Vice President for Research and Graduate Studies), Faculty and Organizational Development, The Graduate School, Human Health Affairs, Libraries, Computing and Technology (jointly with the Vice President for Finance and Operations), MSU Global, Olin Health Center, Office of Planning and Budgets (jointly with the Vice President for Finance and Operations), Student-Athlete Support Services, Undergraduate Education, University Outreach and Engagement (including the Wharton Center for Performing Arts and Institute for Arts and Culture and the MSU Museum), the University Physician (jointly with the Vice President for Finance and Operations), the Office of the Secretary for Academic Governance, and the Women's Resource Center (jointly with the Vice President for Finance and Operations, and the Vice President for Student Affairs and Services).

In addition, the Office has university-wide responsibility for summer session programs, university travel, commencement, faculty seminars, liaison with academic governance standing committees, and awards for faculty and graduate assistants.

The two departmental units and selected administrative units are described in the statements which follow.

DEPARTMENT OF AEROSPACE STUDIES

The U.S. Air Force Reserve Officer Training Corps (AFROTC) Program consists of either a two-year, three-year or a four-year program. The four-year program is composed of the General Military Course (GMC) and the Professional Officers Course (POC), both of which are taken on campus, and attendance at a four-week field training encampment. The two-year or three-year program is composed of the equivalent of the GMC. It consists of attendance at a five-week field training encampment and the POC, which is taken on campus.

Scholarships

The AFROTC program offers, to qualified students, four-year scholarships as well as scholarships for periods of two and three years. Although stipends vary, these scholarships pay for tuition, fees, a book allowance, and a monthly subsistence allowance

during the academic year ranging from \$300 to \$500. Students must apply for the four-year scholarship by December 1 of the senior year in high school. Applicants for scholarships covering periods of less than four years should apply during fall semester of their school year preceding the one in which the scholarship would become effective.

General Military Course

The GMC consists of four 2-credit courses, normally completed during the freshman and sophomore years. The 100-level portion of the GMC deals with the Air Force in the contemporary world. The 200-level portion of the GMC focuses on a study of air power through the jet age, a historical review of air power employment in military and nonmilitary operations and the evolution of air power concepts and doctrine.

Portions of the GMC may be waived for students with prior military experience or for students who transfer from another reserve officer training program.

Although the equivalent of the GMC is available through attendance at a five-week field training encampment, persons seeking entry into the POC are encouraged to complete as many GMC courses as possible.

Professional Officers Course

Students are accepted for the POC on a competitive basis provided they have at least two years of school remaining as a full-time undergraduate or graduate student. Performance in the GMC and/or the field training encampment is among the factors considered.

The POC consists of four 4-credit courses that extend over a two-year period. The 300-level portion of the POC emphasizes the concepts and skills required by the successful leader. The 400-level portion of the POC is designed to provide future Air Force officers a background in national security policy and issues while stressing responsibilities of the military officer and civil-military relations.

Students who successfully complete the requirements of the POC and their degree programs will be commissioned as Second Lieutenants in the United States Air Force Reserve and will enter active duty within one year. Delay of entry to active duty to study at the master's or doctoral level may be permitted. There are opportunities for individuals to qualify for flight training who are majoring in scientific and engineering programs, who are seeking missile duty, and who qualify for numerous non-flying specialties.

Leadership Laboratory

As part of the GMC and POC, the student is a member of an organized cadet corps that conducts a leadership laboratory. Instruction is conducted within the framework of the cadet corps with a progression of experiences designed to develop each student's leadership potential. The laboratory typically includes field trips to Air Force installations throughout the United States.

Field Training

Students qualifying as four-year program cadets attend a four-week field training encampment. Those students qualifying as two-year program cadets attend a six-week field training encampment. Students normally attend this encampment between their sophomore and junior years. Encampment expenses are paid by the Air Force. Visit www.afrotc.msu.edu.

DEPARTMENT OF MILITARY SCIENCE

The U.S. Army Reserve Officers' Training Corps (ROTC) Program offers undergraduate and graduate students an opportunity to qualify as commissioned officers in the United States Army. The ROTC program provides preparation for leadership in any profession, military or civilian.

General Eligibility Requirements

To enroll in the Reserve Officers' Training Corps program, the student must:

1. Be of good moral character.
2. Be a citizen of the United States. (Aliens may enroll by special request.)
3. Be enrolled as a full-time student at Michigan State University.
4. Execute an oath of loyalty to the United States.
5. Not be a conscientious objector.

Additional requirements exist for Advanced Course participation. Contact the Department of Military Science for specific information.

Uniforms and Textbooks

Army uniforms are furnished to students on a loan basis. Most textbooks necessary for Military Science courses are furnished by the department but must be returned when the student completes association with the department.

ROTC Scholarships

The ROTC program offers four-year, three-year, and two-year scholarships to qualified students. An Army ROTC scholarship can provide all or most of the tuition and fees at Michigan State University. The scholarship also provides an allowance for textbooks. Scholarship students also receive a monthly allowance for up to ten months per year ranging from \$300 to \$500. Scholarship students must meet university admissions criteria.

ROTC Basic Course

The Basic Course, normally completed in the freshman and sophomore years, provides the student with a general knowledge of the military's role in our society, and the missions of the Army. It is possible for a sophomore to complete the Basic Course in one year through prior arrangement with the department. No military obligation is incurred for nonscholarship students participating in or completing the Basic Course. Successful completion of the Basic Course is a prerequisite for enrollment in the ROTC Advanced course. Additionally, selected sophomores and juniors can also qualify for the Advanced Course by completing ROTC Leadership Trainers Course at Fort Knox, KY in the summer, or through prior military service, either active or reserve.

ROTC Advanced Course

The Advanced Course is the professional phase of the ROTC program. The Advanced Course includes courses in leadership skills, training and personnel management, ethics, military justice, and military tactics. Students must complete a military history course through the Department of Military Science or through another approved list of MSU approved courses. MS IV students must complete a department approved staff ride during their final year of studies. Finally, all Advanced Course cadets must meet the Army standards for physical fitness and height/weight requirements. All Advanced Course students must attend a six-week long Advanced Camp at Fort Lewis, WA. Students normally attend the Advanced Camp the summer between their junior and senior years.

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Upon satisfactory completion of the Advanced Course requirements and the awarding of the bachelor's degree, the student is eligible for a commission as a Second Lieutenant in the United States Army, the U.S. Army Reserve, or the Army National Guard.

Special Opportunities

Selected students participating in the ROTC program may attend Airborne, Air Assault, Jungle Expert, Master Fitness, or Northern Warfare training. Additionally, selected students are offered the opportunity to participate in a three-week Cultural Awareness program, Cadet Troop Leadership Training and spend three weeks performing the duties of an officer at an Army installation. Non-scholarship students in the Advanced Course may elect to serve as officer trainees in local National Guard and Army Reserve units, thereby receiving additional training, experience, and financial support while attending college.

Credit for Previous Military Training

Students with previous collegiate military training may be granted transfer credit for corresponding Military Science courses completed satisfactorily in a senior division ROTC unit in another college or university. Students with prior military service may be accepted for Advanced Course training, but no credit is granted for Basic Course courses. See www.msu.edu/unit/milsci.

KRESGE ART MUSEUM

Linda O. Stanford, *Acting Director*

Founded in 1959, Kresge Art Museum (KAM) houses Michigan State University's fine arts collection of over 7,500 objects. Having reached its 50th anniversary, the art museum and its collection will become part of the new Eli and Edythe Broad Art Museum, named for its major donors.

The museum's mission is to collect, document, preserve, exhibit and interpret works of art from diverse cultures, from the past as well as the present. Selections from the collection are on continual display to represent art from Asia, Africa, Europe, and the Americas. Holdings include photographs, paintings from the fifteenth century to the present, sculpture and mixed-media works, and over 3,000 works on paper. Strengths are in American twentieth-century art. Significant pieces are by Alexander Calder, Elizabeth Catlett, Chuck Close, Salvador Dali, Duane Hanson, Auguste Rodin, and Francisco Zurbaran. The entire collection is searchable online at www.artmuseum.msu.edu.

Objects from the collection often are assigned by faculty for student research and group projects. Volunteer docents lead tours for university classes as requested. In addition to the annual Undergraduate and Master of Fine Arts exhibitions, and a biennial Faculty Exhibition, each of which is a collaboration with the Department of Art and Art History, up to ten changing exhibitions are shown each year, brought to campus from elsewhere or organized by museum staff. The museum often partners with other units across campus to expand the interdisciplinary content and interpretation of exhibitions. These collaborations may involve other art forms (dance, music, theater, poetry) or broad contextualizing of the objects through history, sociology, politics and even medical issues. An expansive educational program includes lectures, gallery talks, videos and film. Cell phone tours are often available for special exhibits.

KAM offers independent study for credit for undergraduates and graduates in the Museum Studies program, and a full-time internship position. Staff work with students on research projects and provide experiences for students in museum education, curation and registration. KAM also collaborates with the Michigan State University Museum and other academic units to offer the Specialization in Museum Studies that is administered by the College of Arts and Letters.

Apart from these curriculum-related projects, KAM provides volunteer opportunities and community-wide activities. The Museum Studies Student Association (MSSA), organizes events to introduce students to the profession.

For hours of operation, see *Kresge Art Museum* in the *General Information, Policies, Procedures and Regulations* section.

SELECTED ADMINISTRATIVE UNITS

Office of Financial Aid

Richard E. Shipman, *Director*

The core mission of the Office of Financial Aid is to assist Michigan State University students fund their educational costs through federal, state, private, and institutional financial assistance that includes grants, scholarships, work programs, and loans. Approximately 74% of all MSU students receive some form of financial aid through this office.

Most funding is awarded based upon financial need as determined by the Free Application for Federal Student Aid (FAFSA) which is completed annually by students and parents online at www.fafsa.gov.

Staff members advise students via individual meetings, phone calls, and email regarding both short-and long-term financial assistance. Additionally, they provide general college financing information for students, parents, faculty, staff, high school counselors, and prospective students through a variety of workshops, presentations, and events.

For information on available aid and the application process, visit the Office of Financial Aid Web site at www.finaid.msu.edu, email finaid@msu.edu, or call 1-517-353-5940.

Office of the Secretary For Academic Governance

Jacqueline Wright, *Secretary*

The Secretary for Academic Governance is secretary to the Academic Senate, Academic Council, Executive Committee of Academic Council, Faculty Council and serves as ex-officio member on the University Committee on Academic Governance. The Office of the Secretary provides staff support to the Academic Council and its committees, supervises elections to the Academic Council and its committees, and provides assistance to colleges, departments, and schools in the preparation and interpretation of unit bylaws for academic governance. For more information, visit www.msu.edu/unit/acadgov.

Student-Athlete Support Services

James R. Pignataro, *Director*

Student-Athlete Support Services (SASS) helps student-athletes reach their full potential. Its mission is to provide each student-athlete with guidance, resources and support that will enhance their development both academically and personally. This is accomplished within a proactive success driven environment which delivers quality academic services and diverse programming.

The SASS philosophy is to offer an academic support program, integrated with the university, that will assist all student-athletes with their transition into college. This all-encompassing support continues throughout each student-athlete's collegiate career until the day he or she receives a diploma, obtains employment, or enters graduate school.

The SASS academic coordinators have expert knowledge in NCAA and Big Ten regulations and the Learning Specialist and subject tutors are trained to work proactively with student-athletes from 25 varsity sports throughout their college careers.

SASS is housed in a nationally recognized facility, the Clara Bell Smith Student-Athlete Academic Center, where a wide range of services and facilities are available, including academic counseling, computer labs with instruction, tutoring in all subject areas, career planning, community-service opportunities, personal-development workshops, and informing student-athletes about athletic eligibility, course registration, and current NCAA, Big Ten and university rules and regulations. Visit: www.sass.msu.edu.

Women's Resource Center

Patricia M. Lowrie, *Director*

The Women's Resource Center is the unit designated to provide a focal point for issues and ideas of importance to university women. The overall intent of the unit's educational and advocacy programming and resource coordination and referrals is to stimulate leadership and scholarship and to empower women faculty, students, and staff to participate actively in the life of the university, to utilize their skills and abilities fully, and to realize their aspirations both within the university community and society at-large. The center, through the director, reports jointly to the Provost, the Vice President for Finance and Operations, and the Vice President for Student Affairs and Services.

For further information, call 1-517-353-1635 or visit www.wrc.msu.edu or email wrc@msu.edu.

OFFICE of the VICE PRESIDENT for RESEARCH and GRADUATE STUDIES

J. Ian Gray, Vice President for Research and Graduate Studies

Research and creative activity are tightly woven into the culture at Michigan State University, part of the daily life of professors and students alike. What scientists learn in their labs becomes what they teach and transfer into the marketplace. Through explorations of education, business, and arts and humanities, researchers also explore humans as thinkers, artists, and citizens of a state and the world. The goal of such learning and creating is to develop knowledge that provides a deeper understanding of individuals, society, and the world.

Every aspect of life is influenced by Michigan State University research, which addresses topics as diverse as growing and storing food; understanding, preventing, and treating diseases; and creating alternative fuels. Basic discoveries about the age of stars, the nature of atoms, and the structure of proteins will affect textbooks for generations to come.

In the land-grant problem-solving tradition, Michigan State University's research breakthroughs—from the cross-fertilization of corn in the 1870s and the homogenization of milk in the 1930s to one of the most successful anticancer drugs in the 1960s and a system to reduce the time needed to detect salmonella on fruits and vegetables in 2000—have improved life for people around the world. Research is still the foundation of the intellectual enterprise at Michigan State University. Much of it cuts across traditional disciplines and reaches beyond the United States. A new \$550 million Facility for Rare Isotope Beams now under development will cement Michigan State University's international leadership in nuclear physics research and pave the way for important breakthroughs in medicine, materials research,

national security, and physics. In a new NSF Science and Technology Center for the Study of Evolution in Action, MSU leads a consortium exploring evolution in both natural and virtual settings.

The Office of the Vice President for Research and Graduate Studies stimulates, supports, and oversees policy relevant to research and creative activities. It enhances the safety of researchers and research subjects and assures compliance with research regulations by supporting and overseeing the university's institutional review boards and the Office of Environmental Health and Safety in the Office of Regulatory Affairs. Through MSU Technologies, the Vice President for Research and Graduate Studies facilitates access to university expertise by industry, government agencies, and others; administers patent and copyright policies, and facilitates the transfer of research results to industry. MSU Business-CONNECT provides a link between MSU researchers and the business community to develop partnerships and support economic development. MSU's BioEconomy Network coordinates MSU's efforts to promote the state's bioeconomy.

Conflict of interest, research integrity, and export control and trade sanction policies are also administered by the Office of the Vice President for Research and Graduate Studies. In concert with the Provost, the office administers the Graduate School and is responsible for maintaining a healthy relationship between research and creative scholarship and the education of graduate students. The office also interacts with the MSU Foundation on research-related matters.

Other units in the Office of the Vice President for Research and Graduate Studies include research development and proposal coordination, which provides information on sponsored research opportunities to all Michigan State University departments and colleges and manages the internal grants programs that help seed new research and scholarly projects in all disciplines; research facilitation and dissemination, which works with Michigan State University's colleges to identify and encourage cross-disciplinary research; and the Research Technology Support Facility, which supports infrastructure for the Michigan State University research enterprise by maintaining major analytical facilities that enable researchers to conduct advanced studies.

For further information, email vprgs@msu.edu, call 1-517-355-0306, or visit www.vprgs.msu.edu.

Office of Regulatory Affairs

J.R. Haywood, *Interim Senior Assistant Vice President for Regulatory Affairs*

The health and safety of individuals and care for the environment are important concerns for Michigan State University researchers. The Office of Regulatory Affairs (ORA) offers seminars, workshops, and other educational programs to help researchers assure safety in their labs, conduct research responsibly, and comply with relevant regulations. ORA also pursues accreditation and certifications to assure that programs relating to human and animal subjects and environmental health and safety not only meet but exceed federal regulations. These efforts aim to maintain Michigan State University's respected compliance record.

For additional information, call 1-517-432-4500 or visit www.regaffairs.msu.edu.

Animal Care Program

The Animal Care Program provides support and oversight for all animal-related research, teaching, and outreach at Michigan State University. Services include ethical review of animal use; acquisition, husbandry, and veterinary care of animals; training and educational opportunities; and public outreach. Farm ani-

RESEARCH AND SERVICES
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mal-related research and teaching activities and oversight are coordinated with the colleges of Veterinary Medicine and Agriculture and Natural Resources.

The Institutional Animal Care and Use Committee implements regulatory oversight requirements; Campus Animal Resources provides husbandry and veterinary care as well as technical services such as breeding programs and special care. The Michigan State University Animal Care Program is accredited by the Association for Assessment and Accreditation of Laboratory Animal Care International.

For more information, contact Campus Animal Resources at 517-353-5064 or visit www.ular.msu.edu or contact the Institutional Animal Care and Use Committee at 517-432-4151, e-mail iacuc@msu.edu, or visit www.animalresearch.msu.edu.

Office of Environmental Health and Safety

Kevin Eisenbeis, Director

The Office of Environmental Health and Safety (EHS) is responsible for management, oversight, and compliance of all university environmental health and safety programs. EHS serves as a proactive provider of regulatory guidance, education, training, and compliance assistance to the university community.

Through the Office of Radiation, Chemical and Biological Safety (ORCBS), EHS provides monitoring and training support to assure that all faculty, students, and staff work in a safe and productive environment. ORCBS is charged with communicating workplace risks to employees, evaluating appropriate protective equipment, and assisting units in designing safe and functional laboratories, buildings, and technical facilities. It works to assure that campus units meet or exceed their regulatory responsibilities relating to the use and management of hazardous materials.

EHS is charged with oversight and management of the university's technical environmental regulatory responsibilities including the management of all major environmental permits and licenses such as air, wastewater, and storm water discharge permits.

EHS acts as the primary liaison between the university and federal, state, and local environmental health agencies, including Michigan Occupational Safety and Health Administration, U.S. Environmental Protection Agency and Michigan Department of Environmental Quality. EHS is guided by several advisory committees.

Working with EHS, Michigan State University's National Superconducting Cyclotron Laboratory (NSCL) became one of only a few university facilities with ISO 14001:2004 certification. Meeting that standard shows a commitment to minimizing harmful effects on the environment and to working for continual improvement of environmental performance. Michigan State University is pursuing certification for other facilities.

For more information call 1-517-355-0153 or visit www.orcbs.msu.edu.

Human Research Protection Program

Michigan State University's human subject protection program is fully accredited by the Association for the Accreditation of Human Research Protection Programs. Accreditation assures research participants, whether they are part of a clinical trial or an opinion survey, that their safety and privacy are protected.

The Biomedical and Health institutional review board (IRB) evaluates research proposals in the biomedical and health sciences for compliance with regulatory requirements for human subjects. The Social Science/Behavioral/Education IRB reviews social science, behavioral, and education projects. The Community Research IRB reviews multi-community projects and projects that require expertise in community-based research.

For more information call 1-517-355-2180 or visit www.humanresearch.msu.edu.

MSU Technologies

Mary Mayer, Interim Director

MSU Technologies is the multidisciplinary business unit that provides commercial talent and leadership to transfer Michigan State University's discoveries and innovations to industry. It also links industrial research needs with Michigan State University experts and administers patents and copyright estates, including disclosures and copyright applications.

MSU Technologies assesses the commercial value of faculty's innovations and markets the most promising to potential commercial partners throughout the world, including venture capital investors. Technologies available for licensing—ranging from preparing clays for use in nanocomposites to algorithm and circuit technology for high-speed communications—are listed on the MSU Technologies Web site. Each entry includes a brief description of the technology, its potential benefits and possible applications, patents that have been obtained, and contact information for learning more about the technology.

MSU Technologies also helps Michigan State University inventors start new businesses to develop the commercial potential of their discoveries. An internship program for students interested in entrepreneurship is under development.

To contact MSU Technologies, call 1-517-355-2186 or visit www.technologies.msu.edu.

Michigan State University Press

Gabriel Dotto, Director

Michigan State University Press is the scholarly publishing arm of the university. The Press publishes books and journals in the humanities, liberal arts, and social sciences. The Editorial Review Committee and senior staff recommend titles and journals for publication.

MSU Press can be reached by calling 1-517-355-9543 or on the Web at www.msupress.msu.edu.

OFFICE of the
VICE PRESIDENT for
STUDENT AFFAIRS
and SERVICES

Lee N. June, Vice President for
Student Affairs and Services

The Vice President for Student Affairs and Services provides leadership and coordination for several offices, all of which collaborate with faculty and other university offices to promote active learning, improve the climate for learning, and increase student retention. Major attention is given to encouraging and supporting diversity while fostering a sense of community and inclusiveness for all students, faculty and staff. The Division of Student Affairs and Services staff work with students individually and in groups to assist them in achieving their educational and personal goals. Offices within the Division are listed below. For information call 1-517-355-2264; visit 153 Student Services; or visit www.vps.msu.edu.

Lesbian, Bisexual, Gay, Transgender Resource Center

The Lesbian, Bisexual, Gay, Transgender Resource Center (LBGT) leads and collaborates on university-wide initiatives that enhance campus climate for students who identify as lesbian, bisexual, gay, transgender, and for allies and their communities. The center focuses on assisting students with addressing academic and personal concerns; supporting LBGT student organizations and leaders; providing inclusive, campus-wide education on LBGT identities and ally development; addressing LBGT issues in global and domestic contexts; providing consultation to faculty and staff on LBGT concerns; and leading research initiatives on LBGT campus climate and identities.

For more information, contact the LBGT at 1-517-353-9520, email lbgtc@msu.edu, or visit www.lbgtc.msu.edu.

Office of Cultural and Academic Transitions

The Office of Cultural and Academic Transitions (OCAT) constructs supportive social and educational communities that actively involve students in learning. Specifically, OCAT prompts students' involvement in broad-based university learning experiences (e.g., study-abroad, alternative spring break, internships, etc.), while also connecting them to campus resources, people, and programs that lead to deeper student learning and personal success. In part, the Office accomplishes this mission by building critical alliances and links to academic units. Additionally, OCAT helps students to understand themselves and others better through cultural and social activities. *Student-to-student interaction is the key to benefitting from diversity*, and OCAT strives to bring together individuals as well as groups of students from diverse racial, ethnic, international, and domestic backgrounds for meaningful interactions. Moreover, OCAT supports individual students in their navigation of cross-cultural encounters, and in their own understanding, exploration and development of cultural identity. OCAT employs multiple strategies to accomplish these goals. Among OCAT's signature programs are Transition and Cultural Aides, Maximizing Academic Growth in college program (MAGIC), Council on Racial Ethnic Students program (CORES), and Internationalizing Student Life (ISL). Visit www.ocat.msu.edu.

Career Services Network

The Career Services Network helps students develop an understanding of their skills, interests and values; explore career pathways and options; learn strategies and techniques for navigating a search; acquire experience that builds abilities and tests options; and gain direct access to opportunities of choice. Services provided by the network include:

1. **One-on-one advising appointments** with career advisors and consultants to assist students in self assessment, career exploration, decision-making, resumes and cover letters, job search strategies, interview preparation, and negotiating offers.
2. **Workshops** offered on topics ranging from resume writing and career exploration to networking and interviewing skills. Custom workshops are provided for classes and student organizations.
3. **Career fairs**, including the two-day *Career Gallery* (business, science and technology), *Graduate/Professional School Recruitment Fair*, *Agriculture Fair*, *Government/Non-profit Fair*, *Environment and Natural Resources Fair*, *Summer Employment Fair*, *Teacher Recruitment Fair*, the *Diversity Fair* and more.
4. **On campus interviews** with employers for entry-level and internship positions, with over 19,000 interviews conducted annually.
5. **Career education events**, such as alumni panels, networking sessions, and topical discussions on work-related issues (e.g., *The Creative Arts Forum*, *Career Summit*, and *Speed Networking*, etc.).
6. **Career resources**: *My Spartan Career*, an interactive system that manages job, internship, and part-time campus employment listings, on-campus interviews, as well as a comprehensive calendar of career events and workshops. *CareerSearch*, a database of over 4 million employers across the US and Canada; *Uniworld*, a database of international employers by country, *WetFeet Insider Guides* to industries and major recruiting companies; *MSU Career Passport*, a printed career guide for all students; and Web sites with information on services, events, guides, career news, and links to other useful resources.
7. **Career assessment tools** to help students align interests and preferences to job types and work environments: *Strong Interest Inventory*, *Myers-Briggs Type Indicator*, and *Bridges*. Assessments are interpreted with a career advisor.

The Career Services Network is comprised of the following offices:

CAREER SERVICES, 113 Student Services Building, 1-517-355-9510. Focuses on career assessments, advising, workshops, Ph.D. career services, internship and student employment assistance. www.careernetwork.msu.edu

CAREER SERVICES @ THE STADIUM, 290 Spartan Way, 1-517-884-1300. Provides career events management, on campus recruiting and interviewing services. www.careernetwork.msu.edu

LEAR CORPORATION CAREER SERVICES CENTER, 21 Eppley Center, 1-517-432-0830. Provides career advising for students interested in business, on-campus recruiting and interviewing services, as well as new media career productions. www.bus.msu.edu/learcenter

FIELD CAREER CONSULTANTS. Provides career expertise and advising customized for students in the following colleges:

College of Agriculture and Natural Resources

College of Arts and Letters

College of Communication Arts and Sciences

College of Engineering

College of Natural Science

College of Social Science

James Madison College

Visit www.careernetwork.msu.edu/college-centers

COLLEGIATE EMPLOYMENT RESEARCH INSTITUTE. The Institute conducts studies of post-graduate transitions into the workforce, employer hiring trends, and other career-related topics. The Institute is best known for its annual publication, *Recruiting Trends*, which surveys the recruiting intentions of entry-level employers across the country. www.ceri.msu.edu.

ALUMNI CAREER SERVICES, MSU Alumni Association 242 Spartan Way, 1-517-355-7698. Provides career services and networking resources for alumni. www.msu.alum.com/careers

Counseling Center

The Counseling Center offers time-limited counseling to Michigan State University students who are in the pursuit of academic and personal goals. Programs include individual and group, personal or career counseling, testing, multicultural issues, substance abuse assessment, and sexual assault crisis and safety education. Any student registered for one or more credits is eligi-

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ble for a consultation or assessment interview. As resources permit, additional services and/or referrals may be provided.

A campus location is available for service: 207 Student Services, 355-8270. The TTY number for the hearing and/or speech impaired is 353-7278. For information visit www.counseling.msu.edu.

Educational and Support Services

Educational and Support Services provides coordination for the division in areas of university-community initiatives, computer technology, and special projects. Staff collaborates with the Department of Educational Administration to support the Student Affairs Administration preparation program and serve as administrators for EAD 315 Student Leadership Training. For information call (517) 353-6650 (TTY 353-6651); visit 162 Student Services; or visit www.ess.msu.edu.

Intramural Sports and Recreative Services

This unit operates on the belief that individuals who participate in enjoyable sports activities during their college years will gain benefits for a healthy life. Three intramural buildings welcome men and women at all levels of ability to participate in over 25 organized intramural sports and over 35 student sports clubs. Michigan State University community members may choose from a diverse array of activities: from formal league and tournament play, to more leisurely and informal recreational activities and exercise and fitness programs. Persons with disabilities are urged to take advantage of those facilities accessible to them.

For information, refer to *Intramural Sports and Recreative Facilities and Recreative Services* in the *General Information* section of this catalog, call the Intramural Sports office at 355-5250, or visit www.imsports.msu.edu.

Department of Residence Life

Residence Life staff members are responsible for working with residents to create living-learning environments in the residence halls and university apartments. The department provides live-in professional and student staff to assist residents with issues and concerns. These staff members are community leaders and resource persons, and they plan and implement educational initiatives to support students in gaining skills in the areas of integrating in-class and out-of-class learning, multicultural development, community responsibility, character development, and personal well-being. The Department of Residence Life is committed to providing students with opportunities to connect with one another in meaningful ways and reduce barriers to individual success by connecting residents to University resources. Safe Place, a unit within Residence Life, is the domestic violence shelter located on a university campus. For additional information, visit the Department of Residence Life Web site at www.reslife.msu.edu or call (517) 353-3780/e-mail at reslife@msu.edu.

Resource Center For Persons With Disabilities

Refer to the statement on *Resource Center for Persons with Disabilities* in the *General Information* section of this catalog for additional information.

Student Life

Student Life staff coordinates the programs described below, provides general assistance to students, and refers students to other offices or agencies as appropriate. Except as noted, Student Life

programs are located in the Student Life Center, 101 Student Services, (517) 355-8286 (TTY 355-2217). See also: www.vps.msu.edu/SpLife/index.htm.

CAMPUS LIFE ORIENTATION. The staff coordinates and promotes academic, cultural, recreational, and personal programs that help ease the transition to the university during the Fall Welcome period. Programs extend throughout a student's first year on campus.

GREEK LIFE. The staff serves as liaisons between the university and the collegiate chapters, parents, alumni/ae, and (inter)national organizations to provide educational programs, services and resources to support the ideals of Greek Life. Staff assist the three major governing boards that are individually responsible for managing and providing services to their member organizations.

INTERNATIONALIZING STUDENT LIFE. Staff work with faculty, staff, and student organizations to develop and coordinate programs that will allow students to: learn about cultures other than their own; develop cross-cultural communication skills; interact with faculty and students of diverse international backgrounds; and learn how international social, political, cultural and economic forces affect their lives.

JUDICIAL AFFAIRS. The staff provides direction and coordination for the development and administration of the student non-academic disciplinary process. Responsibilities include: advising two all-student judiciaries and two student-faculty judiciaries; coordinating the selection and training of judiciaries; and training and supporting those serving as administrative officers within the disciplinary process. Staff provide alcohol and marijuana education seminars attended by approximately 800 students a year.

STUDENT LIFE CENTER AND OFF-CAMPUS LISTING SERVICE. The staff provides information about university resources, student organizations, student events and off-campus living. A computer listing of available rental units is available.

STUDENT GOVERNMENT AND STUDENT ORGANIZATION ADVISING. Staff members assist student government leaders by advising, consulting, and serving as a resource on university policies and procedures. Staff also register over 600 student organizations, as well as the programs and events sponsored by these groups, and provide consultation to enhance student group development. Leadership training and development programs help those in student government and other organizations increase their effectiveness as leaders.

Sexual Assault and Relationship Violence Prevention Program

The Sexual Assault and Relationship Violence (SARV) Prevention Program promotes safety and improves quality of life by educating students on sexual assault and relationship violence, eliminating violence on campus, empowering students to become advocates for a non-violent community and positively affecting social change. Through workshops conducted by peer educators the program offers a forum for students to engage in conversation and become educated about college social life and become active members in keeping the Michigan State community safe.

PRE-COLLEGE OPPORTUNITIES

Upward Bound Program

The Upward Bound Program is a federally funded program designed to motivate low-income high school students with academic potential to pursue post-secondary education. The program is also targeted toward students whose parents do not have bachelor's degrees. Students are admitted to the program on the basis of their school performance, recommendations of teachers and counselors, and a personal interview.

The program provides services such as personal counseling; instruction in careers, communication skills, mathematics, science, and foreign language; tutoring; field trips; and numerous extra-curricular activities. These services are provided during the intensive six-week residential component of the program and in the academic year follow-up component. Instruction and tutorial assistance are provided by secondary school teachers, university faculty, and graduate and undergraduate students.

College preparation activities for high-school seniors include college tours, admission and financial aid workshops, and opportunities to hear a variety of speakers who talk about adjusting to

life in college, personal finances, choosing a major, orientation testing, and other topics of interest to prospective undergraduates.

The Upward Bound Program office is located in Room 192 Ernst Bessey Hall, call 1-517-353-6701, email hammong@msu.edu or visit www.upwardbound.msu.edu.

Gifted and Talented Programs

In conjunction with the Ingham Intermediate School District and with funding support from private and regional agencies, Michigan State University offers an array of programs designed for pre-college students identified through a variety of measures as academically gifted and talented. The Cooperative Highly Accelerated Mathematics Program (CHAMP), and the Intensive Studies in Humanities, Arts, Language, and Literatures (ISHALL), are offered during the academic year on the Michigan State University campus. Summer programs address the needs of students in grades 4 through 12. Many of the elementary and middle school programs emphasize development of skills in mathematics and the sciences. High school summer programs offer travel abroad, a forensic science residential program, and an opportunity to earn Michigan State University credits while enrolled in Honors level courses. For additional information, visit www.gifted.msu.edu.