

General Information



"Use education for sane living, not simply as a means of making money; not as a means of escaping work."

-Woodbridge N. Ferris

General Information

Ferris has a well-deserved reputation for providing high quality, distinctive educational programs. These programs are implemented by the seven Colleges: Allied Health Sciences, Arts and Sciences, Business, Education and Human Services, Optometry, Pharmacy, and Technology. University College offers an Honors Program and academic support services.

Ferris is a key contributor to Michigan's economic base. The University works to meet the technology and work force demands of business and industry, the health care professions, and society in general through applied research and practical education. Ferris teaches technical skills and applications focused on solving real problems, and produces a work force that is more hands-on than conceptual, more practical than theoretical, and more active than contemplative.

Reflecting the booming Michigan economy, 98 percent of 1996-97 graduates were hired or continued as full-time students at Ferris or at other universities. Nine out of 10 employed graduates are working in positions directly related to their major field of study.

Ferris State University provides career-oriented education to nearly 10,000 students each year. More than 120 undergraduate programs, four master's degrees, and two doctorates are offered by Ferris. In addition to the main campus site in Big Rapids, a number of programs are also offered at off-campus locations. Off-campus sites include Ferris State University-Grand Rapids; the Northern Michigan Regional Center with classes in Traverse City and Ludington; the Southeast Michigan Regional Center with classes in Flint, Dearborn, Monroe, Clinton township and Lansing; and the Southwest Michigan Regional Center with classes in Dowagiac, Niles, Jackson and Muskegon. Selected classes are also offered over the Internet.

The community of Big Rapids has continued its tradition of support for the University through the years. A city of approximately 12,600 residents, it is the county seat for Mecosta County, located approximately midway between the northern and southern ends of Michigan's Lower Peninsula.

Big Rapids is readily accessible by the US-131 freeway and highway M-20. It is about 55 miles north of Grand Rapids and within approximately 200 miles of Detroit and Chicago. Located on the Muskegon River, the former logging community is in the heart of an extensive recreation area of which Mecosta County, with its 101 lakes and four county parks, is a significant part. Immediately to the west is the Manistee National Forest and Lake Michigan lies 60 miles west.

The area is served by a daily newspaper; one AM and two FM radio stations; a four-screen movie theater; cable television system; local, county and interstate bus lines; four banks; three motels; a hotel and conference center; an airport; a community library; 24 churches; and a 74-bed acute care hospital.

Ferris' Century Old Mission

Ferris' career-oriented mission dates to its origin in 1884, when Woodbridge N. Ferris, later a two-term Michigan governor and U.S. Senator, established a private industrial school in Big Rapids. Although Mr. Ferris had the retraining of out-of-work lumberjacks in mind when he started the institution 116 years ago, the concept of providing students with marketable skills for a changing society is just as relevant today.

The University joined the state's higher education system in 1950, but was almost wiped out by a disastrous fire before it could begin its first fall term as a state institution. Despite the loss, Ferris endured and in fact, has thrived. With the exception of the lone survivor of the fire, the Alumni Building built in 1929, each of the more than 114 buildings on today's 600-acre campus rose from the ashes of the 1950 blaze.

Today, Ferris State University remains true to its original mission by continuing to provide an education relevant to a changing society to all students who have the motivation to succeed and the potential to benefit from the opportunity.

The Statement of Mission

Ferris State University will be a national leader in providing opportunities for innovative teaching and learning in career-oriented, technological and professional education.

(adopted by the Board of Trustees, February 22, 1997)

Ferris Students

While the majority of Ferris students come to the campus directly from high school, a significant number are more mature persons who are changing careers, or are taking advantage of an opportunity to obtain advanced training. Others are moving up to a better career level in one of the many Ferris ladder programs.

Ferris enrollment is fairly evenly divided between the four-year and professional degree programs and the two-year programs. Approximately 50 percent of the students are in bachelor's degree programs.

Nearly every county in Michigan is represented in Ferris' enrollment. Students come from diverse backgrounds, including the highly industrialized southeast and the recreational areas of the north. Our students also represent 44 other states and 58 countries.

Male students outnumber female about three to two but the numbers and percentages of coeds have been gradually increasing.

Ferris Faculty

Perhaps the most important parts of any academic program are its teaching faculty and support staff. Ferris State employs over 450 full-time faculty in more than 120 program areas. In addition, adjunct faculty play important roles in several off-campus academic programs.

The faculty at Ferris represent the most qualified people in the particular field, whether by experience or by education. Of the more than 450 full-time, tenure/tenure-track faculty, 40 percent possess earned doctorates, while 89 percent have attained a master's degree or beyond. Numerous faculty members have been awarded Fulbright grants in the last five years and have earned other state, national, and international honors.

Although the primary emphasis is on classroom instruction, faculty members are actively engaged in a variety of scholarly activities both in the United States and abroad, including publishing texts and other books, serving as consultants in business and industry, editing and publishing in journals, performing research, and writing plays, poetry and articles.

Academic Advisory Committees

The utilization of advisory committees has a long-standing record of successful practice at Ferris State University. As noted throughout this catalog, virtually all curricula utilize an advisory committee comprised of a wide variety of practicing professionals in a particular field.

The advisory committees are actively involved in making recommendations and advising department faculty and administrators regarding such matters as curriculum needs, new and emerging technologies in each of the fields, and providing access for internship, clinical and co-op assignments.

One of the basic tenets of the University's mission is to prepare students with technical skills and a broad general education so that they are readily employable upon graduation. The participation of practicing professionals on advisory committees to constantly advise and assist the University in keeping up-to-date is vital to the University's mission.

The Ferris State Campus

Library and Instructional Services

A key to a student's successful college experience is learning how to find, evaluate and present information. To assist students as they work towards their career goals,

Library and Instructional Services (LIS) not only hold vast collections onsite, but also have worldwide access through Internet/Web. LIS is committed to helping students develop the necessary information access knowledge and skills through its instruction/reference program to become respected practitioners of their chosen career and citizens.

Workshops—Although LIS has numerous features that are familiar to anyone who has used libraries elsewhere, students will find that collections, indexing services, and Internet/Web homepages unique to their major are important new sources of information. To meet students' needs, classroom and library faculty work together to engage learners in hands-on activities that reveal how the rich library resources provide information for simple and complex questions. Sessions and individualized assistance are designed to make the Library easy and comfortable to use, and provide students with ideas to make the best use of time in locating information, whether found in local collections or external resources.

Individual Assistance—Since emerging technologies create constant change, and a continual influx of new materials exists, students should stop by the information/reference desk or use the libraries' electronic reference service for direct assistance. Addresses for electronic services are: e-mail (netref@lib01.ferris.edu) and homepage (<http://consider.ferris.edu>). Reference librarians are ready to answer questions either in person, by phone or e-mail, and help students learn how to use computer applications including CD-ROMs, Internet/Web and other online services. Each librarian serves as a subject specialist, and will be happy to work with a student on an individual basis. Appointments may be made for this purpose.

Facilities, Computers and Collections—The University libraries, which consist of the Abigail S. Timme Library and a branch facility, the Health Sciences Library, house collections in excess of 3/4 million books, periodicals, Michigan and U.S. government documents, research reports, media and other materials. A new digitalized library, which will enhance the University's leadership role in teaching, learning and technology, is expected to open in 2001.

The campus libraries serve as a depository for U.S. Bureau of the Census and State of Michigan publications, and share this status with Northwestern Michigan College for other federal documents. The libraries also have been designated as one of three Patent & Trademark Depository Libraries in Michigan.

The Individualized Learning Center (ILC)/"Internet Room" holds the libraries' non-circulating media collections, and provides microcomputer access.

University Archives functions to preserve Ferris State's history. Books once owned by W.N. Ferris, the University's founder, books about him, those about the institution, and publications by faculty, staff, students and alumni will be found in these collections.

Collection Accessibility—The collections are shelved/filed by format and linked together with the online catalog that also lists Kendall College of Art and Design resources. The off-campus address is pals.ferris.edu. Workstations are onsite for searching either this catalog; the CD-ROM Network, which includes

the catalog and a growing number of commercial CD-ROM products; Internet/Web or e-mail. Access is also available in campus microcomputer labs, residence halls and offices.

For materials not owned, Ferris State students, faculty and staff may initiate a request to borrow an item from another library/information center. To fill these requests, state-of-the-art technologies and sources are utilized. A major source is OCLC which connects more than 20,000 national and international libraries/information centers to deliver the material by mail, couriers, fax and other systems.

Distance Learning—Students enrolled in courses held off-campus are encouraged to use the Ferris Libraries' sources and services including direct document delivery of materials held. Access to the online catalog is available from the regional centers and home computers. An increasing number of periodical articles on a full-text/image basis may be searched using the Libraries' 24-hour easy-to-use remote service. Reference, research assistance and instruction are provided to students upon request. Contacting reference/subject-specialist librarians makes arrangements for these services.

Academic/Office Buildings

Allied Health Building

The Victor F. Spathelf Center for Allied Health is a four-level building containing classrooms, specialized laboratories, a dental clinic, and faculty and administrative offices for most of the academic programs for the College of Allied Health Sciences.

Alumni Building

This is the oldest building on the campus, built in 1929. It contains the University Center for Extended Learning, four racquetball courts, some College of Arts and Sciences faculty offices and classrooms, a study area and the assessment services and enrollment research offices.

Arts and Sciences Commons

This building houses faculty and administrative offices for the College of Arts and Sciences and the University College, student academic support services such as tutoring, an educational counseling center, and a number of computer laboratories. It also contains art works by Michigan artists and The Visionary, a major mural by resident artist Robert Barnum.

Automotive Center

Provided here are specialized College of Technology classroom and laboratory facilities for the automotive service technology, automotive and heavy equipment management, and automotive body programs.

Birkam Health Center

Student Health Services, located on the main floor, provides outpatient medical services to students, student spouses, and children two years of age and older. Fully licensed physicians, nurses, and a pharmacist offer a wide variety of medical and pharmaceutical services here.

Bishop Hall

Located in this building are the College of Education and Human Services administrative offices, classrooms, faculty and department offices for Criminal Justice and Teacher Education; the office of International Affairs; the Intensive English Program, the Criminal Justice Institute, and Tot's Place. Also housed in Bishop Hall are the administrative offices of the President, Vice President for Academic Affairs, Budgetary and Planning Analysis, the Board of Trustees, and the Academic Senate.

Business Building

This facility provides classrooms, laboratories, and administrative/faculty offices for the College of Business. Many of the classrooms are designed specifically for Ferris' program emphases and include microcomputer laboratories.

Construction Technology Center

This building houses the heating, ventilation, air conditioning and refrigeration technology programs (HVACR), building construction technology, and construction engineering technology program instructional facilities for the College of Technology.

Creative Arts Center

The Center has facilities for drawing, painting, print-making, 3-D designs, and a variety of special topic classes in the fine arts.

Ferris-Grand Rapids Campus

The Ferris-Grand Rapids campus includes the Applied Technology Center (ATC) at 151 Fountain Street, NE and the Kendall/Ferris building at 17 Fountain Street, NW. Both facilities are conveniently located in downtown Grand Rapids.

The ATC offers 170,000 square feet of instructional and office space including computer, computer-aided design, electronics, manufacturing, materials testing, plastics and heating, air conditioning and refrigeration labs. In addition, the ATC houses an auditorium, banquet and teleconferencing facilities.

The Kendall/Ferris building offers classroom, gallery space, and IBM and MAC computer lab facilities as well as houses the Kendall/Ferris bookstore and programs of Kendall College of Art and Design.

Helen Ferris Hall

This facility is one of two residence halls for Honors Program students. It includes the office of the Honors Program coordinator, meeting rooms and a computer lab.

Heavy Equipment Center

This structure houses the College of Technology's heavy equipment engineering technology program, faculty and departmental offices.

Instructional Resource Center (IRC)

The IRC is comprised of three functional units: (1) media distribution, which provides and transports audiovisual equipment to the campus in support of classroom instruction, (2) media production, which produces a variety of instructional media including slides, graphics and instructional audio and video materials and, (3) the Television Production Department of the College of Education and Human Services and the department television studio and offices. The facility has four large multimedia auditoriums and several smaller general-purpose classrooms.

Johnson Hall

College of Technology administrative and faculty offices are located here as well as the College of Arts and Sciences humanities department and faculty offices.

Library

The Abigail S. Timme Library, which bears the name of a Ferris alumna and benefactress, is a three-level building situated in the heart of campus. As the campus information resource center, the Library offers full-scale reference/research assistance, instruction, onsite collections, Internet/Web access and other services. A new digitalized library is expected to open in 2001.

McKessy House

The offices of the University general counsel are located here.

Music Center

This center provides a large rehearsal room with space for 100 musicians, choral and instrumental rehearsal rooms, practice rooms, a music library, and offices for Arts and Sciences faculty leading the University's music activity programs.

National Elastomer Center

This College of Technology facility, which was completed in 1998, houses the processing and testing laboratories for the plastics and rubber programs. It also includes classrooms, faculty and administrative offices, student lounge/reference room, and a computer lab.

Optometry Building/Pennock Hall

The top two floors of this six-story building contain the on-campus Optometry Clinic. The remaining floors contain the classrooms, teaching and research labs, student areas, reference room, and faculty/administrative offices for the Michigan College of Optometry.

Pharmacy Building

Featuring a 342-seat auditorium and two computer labs, the facility also houses all pharmacy classrooms, student lounge, faculty/administrative offices and a clinical pharmacy.

Prakken Building

Several administrative offices are located in the Lawrence W. Prakken Building, including the vice president for administration and finance, enrollment services, admissions, student employment, scholarships and financial aid, registrar, business office, controller, purchasing, human resources, auxiliary enterprises, risk management, payroll and accounts payable.

Science Building

Science Building contains three major teaching areas, classrooms, and science laboratories for the College of Arts and Sciences. It also houses the Rawlinson Observatory, the Henry Reitz Memorial Reading Room and a greenhouse.

Starr Educational Center

The Starr Educational Center is Ferris State University's largest general classroom building. It provides classrooms for the College of Arts and Sciences, student lounges and study rooms, and administrative offices for the University College. It also houses the Mennen Williams Auditorium, which seats 1,700.

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General Information

Student Recreation Center

In addition to recreational facilities, the College of Education and Human Services' department of leisure studies and wellness administrative and faculty offices, classrooms and computer lab are at this state-of-the-art facility.

Swan Technical Center

Many College of Technology department offices, classrooms, and laboratories designed specifically for engineering technology instruction, including computer/design, electronics, graphic arts, manufacturing engineering, materials science, mechanical measurements, fluid power, fluid mechanics, manufacturing tooling, welding, architectural technology, facilities management, construction management, and surveying engineering, are located in this facility.

Technology Transfer Center (TTC)

The TTC is located 1.3 miles east of the Ferris campus at 1020 Maple Street. The building is devoted to training activities, applied research and development, and technical assistance for Michigan industries. The TTC employs students from the College of Technology and from the marketing department of the College of Business. The TTC has classroom and office space in addition to computer support systems and laboratory facilities for training. Other activities include State of Michigan certification programs and national certification institutes for technicians in various fields.

West Building

This building houses the division of university advancement, and most of the information services/telecommunications offices.

West Commons

The Health Sciences Library (HSL) and the College of Business' Food Service/Hospitality Management program share the West Commons building. The Library provides information, reference, and instructional services; book and journal collections; and Internet/Web access in support of allied health sciences, optometry and McKessy House pharmacy programs. The area designated for Food Service/Hospitality Management includes faculty offices, student lounge, classroom, Cafe Ferris, quantity kitchen and food laboratory.

Rankin Student Center

Rankin Center, better known as the "campus living room," is the center of student campus activities. The

Student Center provides a wide variety of facilities, services and activities to meet the interest and needs of students, faculty, staff, and guests of the University.

Among the recreational facilities available are billiards, table tennis, video games, and pinball. There is a television lounge, a restaurant (The Pug), Westview student dining center, fine arts gallery, and a variety of conference rooms. Also located here are an automated teller machine, U.S. Postal boxes, and concession stand.

The student center also houses a lab with pentium computers with Internet access, laser print capabilities, typewriter and a copy machine for student use. Also available is a quiet study lounge.

Offices for student organizations in the Student Center include The Student Government of FSU, Entertainment Unlimited (student programming board), and The Torch (student newspaper). The Leadership S.P.O.T. provides a communication center and workspace for leaders of our registered student organizations and access to Student Volunteer opportunities.

On the administrative side, the building contains offices for the vice president for student affairs, the student center, student leadership and activities, dean of student life, student judicial services, minority affairs, orientation, and career services.

The Lundberg Bookstore

The James L. Lundberg Bookstore, operated by Barnes and Noble, is located on the ground floor of Rankin Student Center. All of the required course books as well as other merchandise important to campus life may be found there. Its general book section, the "Woodbridge Bookshop," has nearly 10,000 titles. Many types of reference, trade, art, and science books; books for leisure reading; and special selections devoted to young readers are found here.

The supply department contains a wide range of student supplies, art supplies, and technical materials. An "Express Shop" provides fast service for items needed in a hurry. The "Bulldog Actionwear Shop" features collegiate clothing and a special "Kids at Ferris" department. There is a card and gift department with Ferris identified souvenirs such as mugs, plaques and class rings.

The store also provides a special used book buy-back service at the end of each semester. Students receive cash for their used textbooks still needed on campus or, for a small handling fee, they may leave their used textbooks to be sold on consignment. In addition, the bookstore offers a number of other services such as special ordering of books and supplies, magazine subscriptions at special student rates, gift wrapping, and check cashing.

Birkam Health Center

The Health Center provides high quality out-patient medical care to students, spouses and children two years and older, as well as other health services to employees. The staff of licensed, family physicians and registered nurses provide treatment of acute illnesses and minor injuries, all types of physicals, a complete women's clinic, allergy treatments and inoculations, birth control and

contraceptive education as well as a variety of other medical services typically found at private practices.

The Center is a walk-in clinic and also makes appointments for various procedures. In addition to clinical treatment, the Center has a fully functioning pharmacy and a registered pharmacist to provide medicines, contraceptives, and some over-the-counter supplies at a very low cost to students. The pharmacy can fill scripts from the student's home doctor as well.

Students and others will find staff friendly and willing to answer questions in person or over the phone. There is seldom a wait of more than a few minutes to see the doctor. Staff work closely with the local medical community and makes referrals in partnerships with the student to other locations as well.

While many services are direct-billed, students make payment for the nominal physicians' fee and submit the receipt to their insurance company. Students can also make periodic payments over time on their Health Center bill. The Center will never turn away a student from being seen by the doctor.

Holiday Inn Hotel and Conference Center

Located adjacent to the Katke Golf Course on campus, the University's Holiday Inn Hotel and Conference Center is designed to meet the continuing education and training needs of the University, its alumni, the community, and the state. The conference center accommodates small group meetings and large conventions, as well as social functions. The main ballroom, which can be divided into four smaller rooms, has banquet seating for 650 and theatre-style seating for 900. There are five other smaller meeting rooms including a multi-function room for video conferences and other special presentations.

The privately managed, contemporary, 118-room hotel houses Woody's Food and Spirits, an upscale American/continental restaurant, the Grill Room for casual weekend and summer dining, a swimming pool, and lounge.

Recreational Facilities

Student Recreation Center

The former Health and Physical Education building/Wink Arena has been remodeled into a Student Recreation Center.

The facility includes a main floor gymnasium, elevated 1/9-mile jogging track, aerobics studios, fitness center, free weights room, climbing wall, 10-person hot tub, 25-yard swimming pool, classrooms, administrative and faculty offices and lobby and lounge. The state-of-the-art facility also houses the offices for the University Recreation program.

Student Convocation Center/Wink Arena

Dedicated in the fall of 1999, the Student Convocation Center/Wink Arena is a 42,000 square foot facility that seats 2,400 spectators for men's and women's basketball and women's volleyball. The building will also be used for commencement exercises, concerts and special events.

An expanded lobby that houses a new pro shop, two concession stands and a ticket office connects the facility to the Ice Arena.

Robert L. Ewigleben Sports Center

The Ewigleben Sports Center is the home of the Ferris intercollegiate hockey team, a NCAA Division I member. The ice arena has a regulation ice hockey rink with spectator seating for 3,000, in addition to a smaller rink. The center also includes a mini-arena which seats 500 spectators and is the site of varsity volleyball games; coed conditioning and sports medicine/training facilities; varsity and intramural locker rooms; a multi-purpose room; a classroom; and administrative offices.

Katke Golf Course

Ferris State has one of the finest University-owned 18-hole golf courses in the United States. The course adjoins the Holiday Inn Hotel and Conference Center and offers a new driving range with three practice holes, a practice green and a practice sand bunker. During the winter, Katke is available for cross-country skiing when the weather permits.

A new Professional Golf Management Learning Center and Clubhouse will be open for the 2000 season. The complete service golf shop offers the latest in fashion and equipment as well as golf club, power cart and pull cart rentals, and a snack shop. The Professional Golf Association staff is available for lessons and club repair.

Racquet and Fitness Facility

This facility, located a short distance south of the campus, offers a variety of recreational activities for students. Facilities include indoor tennis, racquetball, aerobic room, weight room, locker room, saunas, and pro shop. Programming includes: leagues, lessons, aerobic classes, tournaments, special events, and more. The facility is supported by a per semester refundable fee paid by all full-time students.

Top Taggart Field

The home of Ferris State football, the field has spectator seating for over 10,000. A new AstroTurf surface and synthetic eight-lane track installed in 1998 accommodates the women's soccer and men's and women's track teams and makes Top Taggart Field a multi-purpose facility.

Other Recreational Facilities

Ferris offers several additional facilities for recreation or leisure-time use. These include the large, lighted Frank Karas Intramural Fields on the west side of campus and similar fields on the east side, 16 lighted outdoor tennis courts, and numerous outdoor basketball and volleyball areas.

Academic Divisions

College of Allied Health Sciences

The College of Allied Health Sciences prepares specialists in the allied health and nursing sciences. Ferris State began offering instruction in the allied health sciences in 1955 to meet the growing national demand for health care practitioners. From this beginning the current College of Allied Health Sciences evolved, serving over 1100 students and providing fourteen degree programs. The size of the student body and diversity of the programming offered through the College makes it one of the national leaders in allied health education.

The need for health care workers who can couple high technology with caring has burgeoned over the last fifty years. Of the thirty fastest growing occupations in the United States today, fourteen are in the health fields. Students in these programs gain the necessary skills to function in today's exciting and changing health care system, serving the increasingly diverse population of our global society.

Each of the programs is designed to make successful students employable in their chosen health-care fields. Learning with laboratory equipment they can expect to use on their jobs, students are taught by professionals who are experienced in the field as well as academically qualified.

Bachelor of Science Degrees

Health Care Systems Administration
Environmental Health and Safety Management
Medical Record Administration
Medical Technology
Nuclear Medicine Technology
Nursing - Professional
Associate Degrees
Dental Hygiene
Medical Laboratory Technology
Medical Record Technology
Nuclear Medicine Technology
Nursing - Technical
Opticianry
Radiography
Respiratory Care

The three academic departments in the College of Allied Health Sciences and the course areas they include are: health management (health care systems administration, environmental health and safety management, medical record administration, and medical record technology); health related programs (medical laboratory technology, medical technology, nuclear medicine technology, opticianry, radiography, and respiratory care); and nursing and dental hygiene (dental hygiene, professional nursing, and technical nursing).

Due to the high demand for programs in the College of Allied Health Sciences and limited placement in many of the programs, the pre-allied health classification has been implemented. Students interested in a particular program but not yet qualified, or students qualified but not yet admitted are included in the pre-allied health classification. This system links students with advisors in a desired career area and assures the most current information and appropriate advising is given to each student.

College of Arts and Sciences

The College of Arts and Sciences, with almost two hundred faculty, and offices in six buildings across campus, affects every student and every program of study on the Ferris campus. It provides the essential general education for all of the University's programs of study, and pre-professional education for students seeking careers in the professions including law, medicine, and dentistry, as well as for Ferris' Colleges of Pharmacy and Michigan College of Optometry. The College also offers a variety of applied degrees.

The College supports Ferris' baccalaureate programs by providing advanced coursework in math and science, social sciences, humanities and arts, computer science, writing, and speech communication. It also offers academic minors that complement Ferris' professional and technical programs, giving students an opportunity to broaden their undergraduate experience.

The College is dedicated to the institutional mission of integrating liberal with professional and technical education and to the dual goals of academic excellence in-and broad public accessibility to-undergraduate education. As a community of teacher-scholars, the College of Arts and Sciences is dedicated to developing in students the skills, knowledge, attitudes, and behaviors needed for success in university course work, personal life, and career.

The College faculty accomplish this mission by applying the latest models of effective instruction, along with relevant technologies in their classes. They are able to actively interact with students because classes are relatively small, even at the first-year level. Arts and Sciences faculty also work closely with other faculty from across campus to ensure that students are receiving an education which integrates liberal studies with their more specialized programs in the major.

Finally, the College offers a variety of opportunities for students to enjoy and develop their talents outside the classroom. These include a nationally ranked debate team, whose coach was selected as the outstanding debate coach in the U.S. in 1992. The Torch, FSU's student newspaper, operates under the supervision of the College's faculty.

Several student clubs exist within the College. Cultural enrichment opportunities include a number of musical groups, the University Theater, the University Art Gallery, seminars, and lectures.

The departments in the College of Arts and Sciences and the subjects they teach are: biological sciences (biology, including anatomy and physiology, plant and animal science, microbiology, and ornamental horticulture), humanities (art, art history, communication, history, humanities, music and theater), languages and literature (English, French, German, literature, Spanish, and technical and professional communication); mathematics (actuarial science and mathematics); physical sciences (astronomy, chemistry, geology, physical science, and physics); and social sciences (anthropology, geography, political science, public administration, psychology, sociology, and social work).

Bachelor of Science Degrees

Applied Biology
 Pre Dentistry Track
 Pre Medicine Track
 Pre Physical Therapy Track
 Pre Veterinary Medicine Track
 Environmental Biology
 Applied Speech Communication
 Applied Mathematics
 Actuarial Science Track
 Computer Science Track
 Operations Research Track
 Statistics Track
 Biotechnology
 Psychology
 Public Administration
 Technical and Professional Communication
 Bachelor of Social Work

Associate Degrees

Applied Speech Communication
 Industrial Chemistry Technology
 Liberal Arts
 Ornamental Horticulture Technology
 Pre-Engineering
 Pre-Law
 Pre-Mortuary Science
 Pre-Optometry
 Pre-Pharmacy
 Pre-Science

Academic Minors

Computer Science
 Communication (Speech)
 English/Professional Writing
 Mathematics
 Multicultural Relations in the United States
 Psychology
 Sociology
 Spanish

College of Business

The College of Business at Ferris State continues to be in the forefront of preparing students for the real employment needs of the business world. Each of the more than 33 programs represents a careful blend of business, general education, and specialty classes all designed to prepare students for immediate as well as long-term employment. Minors and certificates are available for students who want to add a specialty to their degree.

When selecting faculty, the College of Business places great emphasis on teaching ability, actual business experience, and the ability to incorporate state-of-the-art computer technology and software in the classroom.

Programs are continuously reviewed and adapted to insure they are oriented toward emerging careers of the future. This philosophy has enabled many graduates to become top-level executives in business, industry, and the non-profit sector.

Completed in 1970, the Business building provides classrooms, multiple computer laboratories, and faculty offices for the College. The history of the College of Business dates back to 1884 when it was one of three original departments of what was then known as the Big Rapids Industrial School. The College has grown from instruction for bookkeepers, stenographers and telegraphers to become a major force in the education of personnel for the State of Michigan and the world.

The College is a member of the American Assembly of Collegiate Schools of Business and the Association of Collegiate Business Schools and Programs. The College has met the requirements to qualify as a candidate for accreditation from the Association of Collegiate Schools and Programs (ACBSP).

Master of Science Degrees

Information Systems Management

Bachelor of Science Degrees

Accountancy (three tracks)
 Advertising
 Business Administration
 Computer Information Systems
 Double majors
 Accounting/Finance
 Computer Information Systems/ Accountancy
 Computer Information Systems/ Management
 Finance
 Hotel Management
 Human Resource Management
 Insurance
 Insurance/Real Estate
 International Business
 Management
 Marketing
 Marketing (Sales)
 Music Industry Management
 Integrated Resource Management
 Professional Golf Management
 Professional Tennis Management
 Public Relations

Quality and Productivity Management
Resort Management
Small Business Management
Visual Communication

Associate Degrees

Accountancy
Computer Information Systems
Restaurant and Food Industry Management
General Business
Legal Assistant
Real Estate
Visual Communication

Certificates

Advertising
Computer Literacy
Direct Marketing
E-Commerce
Restaurant and Food Industry Management
Global Logistics
Hotel Management
Insurance
International Business
Real Estate
Mainframe Computer
Marketing
Marketing Research
Marketing Sales
Midrange Computer
Multimedia Production
Public Relations
Quality Improvement for Managers (post baccalaureate)
Retailing
Small Business

Academic Minors

Accountancy
Applied Statistics
Computer Information Systems
Economics
Finance
Insurance
Marketing/Sales
Restaurant and Food Industry/Hotel Management

The four departments in the College of Business and course areas included are: computer information systems (computer information systems); accountancy, economics and applied statistics (accountancy, economics, statistics); management (business, finance, human resources management, international business, insurance, law, management, and real estate); marketing (advertising, food service, hospitality management, marketing, music industry management, professional golf management, professional tennis management, public relations, and visual communication).

College of Education and Human Services

The College of Education and Human Services is recognized as a leader in educational innovation and development. The College offers such diversified academic programs as teacher education, television production, recreation leadership and management, child development, and criminal justice. In partnership with local school systems, business and industry, and the Michigan Department of Education, the College conducts applied research; operates local, regional and statewide public service and technical assistance projects; and offers campus-wide instructional support to faculty.

The College of Education and Human Services has a long history with roots in the beginning of Ferris, when the education of teachers was one of the first programs offered. The College of Education and Human Services occupies three buildings on campus: Bishop Hall serves as the administrative center for the College, School of Criminal Justice, and the School of Education. The Instructional Resource Center (IRC) houses the College's Television Production Department; and the College's Leisure Studies and Wellness Department is located in the Student Recreation Center (SRC).

The School of Education offers a variety of baccalaureate programs in teacher preparation, including a proposed, innovative elementary education program and a Master of Arts/Master of Science (MA/MS) degree that focuses on instruction, administration, and human resource development. The MA/MS program features sound academic course work, research components, and technical updating as well as offering several options to expand the students' educational and career choices. The College also provides a variety of statewide programs and services ranging from occupational competency assessment to student organizations. Students are prepared as teachers in carefully selected fields in secondary and post-secondary education. These areas are allied health, biology, business, chemistry, English, mathematics, technical, training in business and industry, and wage earning home economics. The College is expanding its off-campus programs with course and program offerings in Flint, Grand Rapids, and Traverse City. As part of its commitment to the future, the College is integrating technology in teaching and learning, focusing on diversity, and infusing international perspectives into its curriculum.

For graduates possessing non-education bachelor degrees, teacher certification programs are available. Teachers seeking additional endorsements to their certification may also obtain these at Ferris. The College has long been recognized statewide for its preparation of career and technical teachers. It also prepares vocational administrators and trainers for business and industry.

The College offers an associate degree in child development for students who want to work with children in pre-schools, day care centers, and "Headstart" programs, or to be employed as teacher assistants. Some graduates are nannies or operate their own child care facilities. The associate degree can also be the foundation for those students who are going into BS programs in recreation, social work, business, or education.

The School of Criminal Justice (CJ) department and the Criminal Justice Institute (CJI) provide education and training programs for careers in the criminal justice system via BS and MS degrees, seminars, workshops, and ROTC. Students pursuing a master's degree have the opportunity to complete a thesis or comprehensive examination. For students working toward a BS degree, CJ offers three tracks: 1) Law Enforcement (Michigan Commission on Law Enforcement certified), 2) Corrections (Michigan Corrections Officers Training Council certified), and 3) Generalist for students interested in continuing their criminal justice studies or entering graduate or law school. The School of Criminal Justice, established in 1972, is considered among many in the Michigan criminal justice community a "premier" degree-granting program. The department faculty, among the largest in Michigan, includes 12 full-time and 9 part-time members possessing state and national reputations in criminal justice education and research. With over 2,000 alumni, criminal justice graduates from Ferris enjoy successful careers in law enforcement and corrections at all levels in Michigan agencies, as well as federal agencies. Additionally, a substantial number of recent graduates have also used their education to pursue further study in law school and graduate education in criminal justice. The CJI provides management consultation service, training programs and technical assistance to agencies in the United States and around the world. CJ's primary goal is to train men and women for professional careers in the police, courts, corrections, juvenile justice or the private security field. In 1999, the College of Education and Human Services and the School of Criminal Justice created the Michigan Center for the Prevention of Violence in Schools, which sponsors statewide forums and offers consulting services to schools and communities. The CJ program is expanding by offering graduate and generalist courses in Grand Rapids and Flint.

The Television Production (TVPR) Department has an international reputation and offers a BS degree program in television production that prepares students for jobs in industry, government, and education, as well as in commercial television. This program provides opportunities for significant skill development in a variety of production-related areas including shooting, editing, graphics, and producing/directing. TVPR students prepare to function as television producers or directors in corporations, industry, education, government and other areas using television throughout the world. Television production skills are necessary components to function effectively in a production capacity where creative use of moving images, graphics, and audio are used to communicate effectively. As the use of television and associated media grows in society, so does the range of occupational choices for the Television Production graduate. Additionally, students will learn the basics of Multimedia Production as part of the curriculum. Students acquire skills in film, audio and video production, multimedia production, instructional design, editing, script writing, and graphics. Graduates are able to plan, script, direct and produce television programs. Their skills are more highly refined on a six month, full-time internship that the

faculty set up and supervise. Television Production faculty and staff are available for technical assistance across and beyond the campus.

The Leisure Studies and Wellness (LSW) Department offers a BS degree in Recreation Leadership and Management. This program prepares professionals for positions as the leaders and managers within the ever-widening field of recreation and leisure services. The thrust of the curriculum is built around the NRPA Accredited core of professional courses and four unique and exciting career tracks. The outdoor adventure education programming emphasis is designed to meet outdoor experiential learning needs in the human services/youth agencies, corporate team building, and alternative education programs for youth at risk in the public, non-profit, and commercial leisure services. The corporate fitness and wellness programming emphasis prepares specialists in fitness and health promotion for employee services in the workplace. The third emphasis is leisure services programming with courses designed for recreational specialists, who work in the traditional public parks and recreation, non-profit leisure service, and commercial recreation businesses or resort recreation. The final emphasis is sports management programming. Individuals seeking positions in university campus recreation, managing sports facilities and complexes, or management and marketing of competitive sports programs both public and private sectors of leisure services. The Leisure Studies and Wellness Department also offers preparation in secondary physical education. A minor in physical education is open to students enrolled as education majors within the Center for Occupational Education (Teacher Education). The athletic coaching certification program is open to all students wishing to gain entry into the coaching profession. Lifetime sport courses are also included within LSW and feature fitness courses for optimal living, and health education courses in first aid, CPR, and wellness.

Master of Science Degrees (1 year after BS/BA Degree)

Career and Technical Education
Master of Education in Curriculum and Instruction
Criminal Justice Administration

Bachelor of Science Degrees (4 years)

Allied Health Teacher Education
Biology Education
Business Education
Chemistry Education
Criminal Justice
English Education
Mathematics Education
Recreation Leadership and Management
Technical Education
Television Production
Training in Business and Industry
Wage Earning Home Economics Education

Associate Degrees

(2 years)

Child Development

Pre-Criminal Justice

Pre-Teaching (Elementary or Secondary)

The Michigan College of Optometry

The Michigan College of Optometry was established in 1974 and is fully accredited by the Council on Optometric Education of the American Optometric Association. It is the only optometry college in Michigan and one of 16 optometry colleges in the United States. The College of Optometry grants the degrees of doctor of optometry (OD) and bachelor of science (BS) in vision science.

Optometrists (O.D.) are primary health care providers who diagnose, manage, and treat conditions and diseases of the human eye and visual system as regulated by state law. Optometry has long been recognized as a profession that is personally satisfying as well as financially rewarding.

Optometrists in all fifty states are licensed to use diagnostic pharmaceutical agents (drugs), as well as, therapeutic pharmaceutical agents for the treatment of certain ocular diseases.

Optometric testing includes an evaluation of the health of the eyes and the visual system, the refractive (optical) status of the eyes, the functioning of the ocular neuromuscular system with emphasis on how efficiently the two eyes work together, and the perceptual functioning of the visual system. Optometrists have conducted special studies in pediatric and geriatric vision and ocular health problems, on the effects of the general and occupational environments on vision and ocular health, and on the role of vision in children with learning disabilities. As part of the four years of study in the O.D. program, considerable time is devoted to providing supervised optometric care for patients in clinics both on- and off-campus. The on-campus clinic facilities are located in Pennock Hall on the west side of the Ferris campus. Pennock Hall also houses most of the optometry classrooms and laboratories.

Although the O.D. degree curriculum is four years in length, fulfilling the requirements typically takes at least seven years of study beyond high school. A minimum of three years of pre-optometry undergraduate study is required prior to seeking entry into the College of Optometry O.D. degree program. Admission into the O.D. program is competitive and is based on the student's academic and clinical potential. The pre-optometry studies may be completed in the Ferris College of Arts and Sciences or at another accredited institution of higher education. The BS degree in vision science requires completion of the pre-optometry studies and the first two years of the O.D. degree curriculum.

Doctor of Optometry Degree
(4 years, after pre-optometry)

Bachelor of Science Degree

(5 years)

Vision Science

College of Pharmacy

The College of Pharmacy is over 100 years old, having been established in 1893 when W.N. Ferris, then proprietor of the Big Rapids Industrial School, was asked to help a student prepare for the Michigan examination for licensure as a pharmacist. The pharmacy program, thus introduced, has matured into the present-day College of Pharmacy, which is one of the larger of the nation's 81 schools and colleges of pharmacy.

Over half of the pharmacists practicing in the state of Michigan received their pharmacy education at Ferris State. Apart from their obvious role in community retail pharmacy, Ferris pharmacy professionals are found in hospitals, health maintenance organizations (HMO's), industry, government, academia, and a variety of other practice settings.

Since its inception, the pharmacy program has been continuously modified and expanded to assure that the graduates can meet the demands of an ever-changing profession. Today's curriculum addresses the emphasis being placed on clinical training and is designed to prepare the student to deliver pharmaceutical care.

The College of Pharmacy offers a six-year doctor of pharmacy (Pharm.D.) degree that is available in both a traditional and an accelerated format. The program is fully accredited by the American Council on Pharmaceutical Education (ACPE).

The first two years of pre-pharmacy instruction may be completed in the FSU College of Arts and Sciences, or some other accredited college. Transfer guides that identify the appropriate pre-pharmacy courses at other institutions are available upon request.

Students are admitted to the College of Pharmacy professional program (after pre-pharmacy) on a competitive basis. In addition to the completion of the required pre-pharmacy courses, the evaluation of candidates will take into consideration academic performance, specifically as measured by the grades obtained in chemistry, biology, and mathematics, and, generally, by the grades achieved in all pre-pharmacy courses, and performance on the Pharmacy College Admissions Test (PCAT). Other factors that may be considered include motivation for the study and practice of pharmacy and demonstration of communication skills that could include documentation of pharmacy practice experience, preparation of a writing sample, and participation in an interview.

The College's first two years of the professional program are provided on campus in a building that was completed in 1972 and is equipped for instruction and research. The last two years of the curriculum that include clinical instruction and experience are obtained through centers based in Kalamazoo, Grand Rapids, Lansing, Saginaw, Bay City, and Midland.

The College of Pharmacy offers courses in pharmacy, pharmacy administration, pharmacy practice, pharmacology, and pharmacology. The following degrees are offered.

Doctor of Pharmacy (Pharm.D.)

Seven semesters plus eight clinical rotations of four weeks each

College of Technology

The College of Technology provides students with the opportunity to develop knowledge and skills in 31 technically oriented programs. These programs include both theory and laboratory training to insure that graduates are employment-ready upon completion of instruction. The College features laboratory facilities that are complete with modern, up-to-date equipment. Programs include associate and bachelor of science degrees. A feature of the BS degree programs is that they build on knowledge obtained in associate degree programs.

The following degrees are offered:

Bachelor of Science Degrees

- Automotive Engineering Technology
- Automotive and Heavy Equipment Management
- Computer Networks and Systems
- Construction Management
- Electrical/Electronics Engineering Technology
- Facilities Management
- Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology
- Heavy Equipment Service Engineering Technology
- Manufacturing Engineering Technology
- Mechanical Engineering Technology
- New Media Printing and Publishing
- Plastics Engineering Technology
- Printing Management
- Product Design Engineering Technology
- Quality Engineering Technology
- Rubber Engineering Technology
- Surveying Engineering
- Welding Engineering Technology

Associate in Applied Science Degrees

- Architectural Technology
- Automotive Body
- Automotive Service Technology
- Building Construction Technology
- Civil Engineering Technology
- Heating, Ventilation, Air Conditioning and Refrigeration Technology
- Heavy Equipment Technology
- Industrial Electronics Technology
- Manufacturing Tooling Technology
- Mechanical Engineering Technology
- Plastics and Digital Graphic Imaging Technology
- Printing Technology

- Rubber Technology
- Surveying Technology
- Technical Drafting and Tool Design
- Welding Technology

University College

University College is the newest college on the Ferris campus, starting in fall semester of 1996. University College provides a variety of academic and career selection services and opportunities to students enrolled in the other seven colleges. Among the services and opportunities housed under the University College umbrella are the Honors Program, Educational and Career Counseling, the Career Exploration Program, the Collegiate Skills and Directed Studies Programs, the Academic Support Center, the Disabilities Services Counselor, the SCHOLAR Program, the Structured Learning Assistance workshops and Freshman Seminars.

Students selected for the Honors Program remain members of their chosen academic major while enjoying enriched global, cultural, social, and community service opportunities. Honors students live in Helen Ferris Hall and Carlisle Hall, forming a residential learning community.

Students in the Career Exploration Program (CARE), as well as Collegiate Skills and Directed Studies students, are enrolled in University College and receive educational and career testing, planning, and counseling services through the Educational and Career Counseling Center. Educational and career counseling is available to students with chosen majors through counselors located in the dean's offices of the Colleges of Allied Health Sciences, Arts and Sciences, Business, Education, and Technology.

The Collegiate Skills (COSK) and Directed Studies (DIST) programs offer developmental and intrusive programming and counseling for a limited number of student enrollees who performed below a 2.0 GPA during high school or in their first year of college. Based on ACT and placement tests, students in these programs are required to complete developmental courses that may include reading, study skills, math, English, and transition to college. Class attendance is mandatory and grades and performance are monitored by counselors and faculty advisers. Continued enrollment at Ferris and transfer to a degree-granting program are based on meeting attendance and academic requirements.

The Academic Support Center offers a variety of tutoring, study skills, time management and test-taking services to all students. These services are free and are available in lab, workshop, and one-on-one formats. Students should contact the Academic Support Center for services at the first sign of academic difficulty.

The Disabilities Services Counselor is housed in the Educational and Career Counseling Center and offers reasonable accommodations and services for students with disabilities. Limited textbook taping and/or note taking is available, as is information concerning handicap accessible residence halls and classrooms. Students needing accommodations should contact the Disabilities Services

Counselor well in advance of enrollment dates so needs can be assessed and services arranged.

The SCHOLAR Program (Socio-Cultural Holistic Learning and Retention) is designed to provide academic support for underrepresented students. SCHOLAR activities include academic advising, mentoring, referral to campus services, and other programs to enhance academic success at FSU.

The Structured Learning Assistance (SLA) program takes a simple approach to helping students be successful with difficult courses. SLA attaches an additional workshop, four hours per week, to the established lecture time of a course and requires any student whose grade falls below a C to attend the workshop. Students receive assistance with note taking, test taking, and study and memory techniques. The workshops provide time for students to complete homework and have questions answered concerning lectures. The workshop facilitators attend class lectures with the students and provide course professors important feedback on how the material is being received by students. Look for the SLA designation on many classes in math, science, allied health, and general education.

The Freshman Seminars (FSUS 100/101) are one credit each and meet one hour weekly to orient new students to the many services and opportunities available at Ferris as well as to provide information about making a successful transition to college life. The instructors for these classes are often the students' academic advisors, serving as mentors and resource persons if the student encounters problems and concerns during the first year. This seminar is required by a number of colleges and programs on campus.

- Off-campus credit courses and degree programs are offered at strategic sites throughout the state via a variety of delivery methods and are designed to meet needs of the adult learner. These programs are administered through partnerships with Macomb Community College, Mott Community College, Muskegon Community College, Northwestern Michigan College, and Southwestern Michigan College.
- Conferences and professional development programs offer opportunities for continuing education and professional growth to individuals of all ages and backgrounds.
- The Technology Transfer Center provides business and industry with innovative, customized training in new and emerging technologies.
- Non-credit programs provide high quality, innovative, cost-effective and customer-focused training and consulting solutions to meet the management and professional needs of business, industry, non-profit organizations, and government agencies throughout Michigan.
- Grant supported programs provide service to a wide range of constituents.
- Added K-12 educational choices are made possible through the initiation and oversight of contracts for Charter Schools located around the state.

University Center for Extended Learning

Emerging technologies, the rapid proliferation of knowledge, and a global economic environment characterized by continuous change, make lifetime access to the most current education and training opportunities critical for individuals and industries throughout Michigan. The mission of the University Center for Extended Learning is to facilitate the rapid transfer of knowledge and technology from the university to the workplace and to provide first-class education and training to location-bound and non-traditional students throughout the state. The objective of UCEL is to provide the people of Michigan with marketable and updated skills for a changing society.

UCEL strives to realize its mission and objectives by supporting and working with faculty in the development of innovative courses and workshops, utilizing distance learning technologies and other means for delivering the latest information to those who need it, and by forging educational partnerships with business and industry. UCEL programs extend a wide range of opportunities: