

Crookston Catalog

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**University of Minnesota
Mission Statement**

The University of Minnesota, founded in the belief that all people are enriched by understanding, is dedicated to the advancement of learning and the search for truth; to the sharing of this knowledge through education for a diverse community; and to the application of this knowledge to benefit the people of the state, the nation, and the world.

The University's mission, carried out on multiple campuses and throughout the state, is threefold:

Research and Discovery—Generate and preserve knowledge, understanding, and creativity by conducting high-quality research, scholarship, and artistic activity that benefit students, scholars, and communities across the state, the nation, and the world.

Teaching and Learning—Share that knowledge, understanding, and creativity by providing a broad range of educational programs in a strong and diverse community of learners and teachers, and prepare graduate, professional, and undergraduate students, as well as non-degree-seeking students interested in continuing education and lifelong learning, for active roles in a multiracial and multicultural world.

Outreach and Public Service—Extend, apply, and exchange knowledge between the University and society by applying scholarly expertise to community problems, by helping organizations and individuals respond to their changing environments, and by making the knowledge and resources created and preserved at the University accessible to the citizens of the state, the nation, and the world.

In all of its activities, the University strives to sustain an open exchange of ideas in an environment that embodies the values of academic freedom, responsibility, integrity, and cooperation; that provides an atmosphere of mutual respect, free from racism, sexism, and other forms of prejudice and intolerance; that assists individuals, institutions, and communities in responding to a continuously changing world; that is conscious of and responsive to the needs of the many communities it is committed to serving; that creates and supports partnerships within the University, with other educational systems and institutions, and with communities to achieve common goals; and that inspires, sets high expectations for, and empowers the individuals within its community.

Greetings!

As the chief executive officer for the University of Minnesota, Crookston (UMC), I would like to encourage you to explore all that UMC has to offer. For example, we are excited about the new student center, which will be open in the fall of 2005 to welcome you, along with our newly renovated fitness center, and the construction of a new residential facility. These are just a few of the latest developments at UMC, but we remain proud of our heritage and in our lifelong connection to the University of Minnesota, one of the most prestigious public universities in the United States.

Along with that, I would like to highlight our curriculum and technology-rich environment—two things for which UMC is known the world over.

- UMC's curriculum is interactive, infused with technology, and involves collaboration among students, faculty, industry professionals, and employers. Our academic programs balance theory and application, and they promote an understanding and appreciation for lifelong learning that prepares our graduates for the careers of the twenty-first century.
- UMC's technology-rich environment is responsive to the professional and personal demands of contemporary society. We provide each full-time student with a laptop computer, Internet connectivity, and the knowledge and skills to use these powerful tools. Our students acquire technological savvy and an incredible level of professional and personal connectivity—resulting in an impressive career edge.



Our dedication to quality education with a focus on student learning in a personalized environment make UMC a great choice for you! Please visit us online at www.UMCrookston.edu or call us at 1-800-232-6466 or 1-800-UMC-MINN. We will be happy to answer your questions and help you discover all that UMC has to offer.

Sincerely,

Joe Massey, CEO

**Mission Statement—
University of Minnesota,
Crookston**

(Adopted by the Board of Regents, May 2001)

The University of Minnesota, Crookston (UMC) is integral to the University's statewide land grant mission. The college provides its unique contribution through polytechnic programs that combine theory, practice, and experimentation in a technologically rich environment. UMC connects its teaching, research, and outreach to serve the public good.

Institutional Purposes

To provide quality teaching and learning by

- committing to excellence in education;
- maintaining a focused curriculum incorporating three core components—communication, critical thinking, and working with others;
- developing lifelong learning skills;
- requiring applied field experiences, laboratory instruction, and internships;
- emphasizing technology experiences for careers in the information-age;
- continually improving student learning through meaningful assessment; and
- providing support services and activities that enhance students' personal and cultural development.

To promote a strong and diverse community of learners and teachers by

- expecting the highest in personal and professional integrity, civility, and tolerance;
- encouraging teamwork, professional growth, acceptance of responsibility, and recognition for achievement;
- providing a caring environment with personal attention and frequent faculty-student interaction;
- upholding individual rights to freedom of expression and association; and
- valuing shared governance among faculty, administrators, staff and students.

To create an educated citizenry by

- preparing students to be actively engaged responsible citizens and leaders committed to democracy and community;
- providing opportunities for all students to participate in student and campus governance; and
- offering students professional, social, cultural, and civic events that extend the learning environment and lead to a fulfilling life.

To develop civic engagement by

- responding to the changing needs of agriculture, manufacturing, business, health care, and other industries and professions;
- collaborating with business, industry, schools, colleges, and other organizations; and
- seeking to improve the quality of life, the economy, and the environment.

Accreditation

UMC's associate and bachelor's degree programs are accredited by the Higher Learning Commission, a commission of the North Central Association of Colleges and Schools, Suite 2400, 30 North LaSalle Street, Chicago, IL 60602. The dietetic technician program is approved by the American Dietetic Association.

The Community

Crookston is located in the Red River Valley, one of the world's richest agricultural areas. Immigration to the area began when the St. Paul & Pacific announced in 1872 that a railroad route was to extend to the Canadian border and would cross the Red Lake River where the city now stands. In 1879 the existing settlement was incorporated and named Crookston, after Colonel William Crooks, chief engineer of the railroad.

The early economic foundation of the area was based on fur and lumber trade, but quickly changed to farming. Starting as a trail point near a river crossing for the squeaky Red River fur carts, the young town soon became a center for sodbusters. For 20 years it was also a major timber center. Since World War II, Crookston has prospered from the development of large agricultural products processing plants and manufacturing industries. Among its outstanding industrial enterprises are the largest plant for edible sunflower seed processing in the United States and one of the largest plants for sugar beet processing in the world. Other industries include a fiberglass and injection molding plant, a metal fabrication plant, and a city bus manufacturer.

Crookston offers many health care facilities, including a modern community hospital, an expanded medical clinic, a mental health center, a chemical dependency treatment facility, and several dental clinics.

Crookston's location provides opportunities for hunting, fishing, cross-country skiing, and other outdoor activities. The community also has abundant recreational facilities, including a regulation nine-hole golf course, a twelve-lane bowling alley, a movie theater, two indoor skating arenas, an indoor community swimming pool, an outdoor athletic complex with multiple softball diamonds and tennis courts, and an attractive campsite in a city park. Crookston is only 30 minutes from Grand Forks, North Dakota, which has a population of more than 70,000 and offers additional opportunities for shopping, entertainment, and other services, including the University of North Dakota and the Grand Forks International Airport.

Facilities

College—UMC has a 237-acre campus located on the northern edge of Crookston. The college is situated in one of the richest and most diversified agricultural regions in the United States, the Red River Valley. With 100 years of education behind it, UMC honors the legacy of the past. It began as the Northwest School of Agriculture (1906-1968), then became the University of Minnesota Technical College (1966-1993), and now it proudly looks to the future. UMC, known as the original "ThinkPad University," provides all full-time students with laptop computers. Classrooms have state of the art technology. Several locations on campus are wireless including the student center, library, dining area, and lounges in the residence halls.

Student Center—In the fall of 2005, the new Student Center will open. This facility is home to meeting rooms and a multi-purpose ballroom for both student activities and outreach programs, the campus bookstore, student health services, offices for international and multicultural programs, and lounges for study, conversation, and relaxation to name just a few. It also has extensive wireless coverage in all public areas.

Kiehle Building—The Kiehle Building houses a beautiful auditorium. Its stage is flanked by a series of murals, which were added in the 1940s as part of the Federal Work Projects Administration (WPA). They have been retained to this day as part of the building's historical legacy.

Northwest Research and Outreach Center—Serving the prairie and adjacent land area of northwestern Minnesota is the Northwest Research and Outreach Center. Its activities are a part of the total agricultural research program of the University of Minnesota. The experiment station located adjacent to the UMC campus, owns about 1,500 acres. The station provides laboratories, fields, and herds for use by UMC students enrolled in agriculture programs.

Bergland Laboratory—The Bergland Laboratory is actually the result of a collaborative effort among UMC, the Northwest Research and Outreach Center (NWROC), and the Agricultural Utilization Research Institute (AURI). The building serves as a center for teaching, for applied student lab experiences, and for research in the botanical and horticultural sciences.

University Teaching and Outreach Center (UTOC)—The University Teaching and Outreach Center (UTOC) serves as the center for animal science on campus. The south entrance area features offices and classrooms. The rest of the structure features a riding arena, stables, and a tack room for the Equine Industries Management program. The UTOC Arena regularly serves as a host area for regional riding and horse shows.

Owen Hall Annex—The state headquarters and Northern Regional Office of Agricultural Utilization Research Institute (AURI) are located in UMC's Owen Hall Annex. AURI is a nonprofit corporation created by the state of Minnesota to strengthen its rural economy by developing new uses for Minnesota farm products.

UMC Degrees

Bachelor of Science

- Accounting (page 29)
- Agricultural business (page 29)
 - Agricultural business (page 29)
 - Sustainable development (page 30)
- Agricultural education (page 30)
 - Agricultural science and technology education (page 31)
 - Natural and managed environmental education (page 31)
- Agricultural systems management (page 31)
 - Farm and ranch management (page 31)
 - Power and machinery (page 31)
 - Precision agriculture (page 31)
- Animal industries management (page 34)
- Applied studies (page 35)
 - Applied studies (page 35)
 - Respiratory care (page 38)
- Aviation (page 38)
 - Agricultural aviation (page 39)
 - Law enforcement aviation (page 39)
 - Natural resources aviation (page 40)
- Business management (page 41)
 - Business aviation (page 41)
 - Entrepreneurship and small business management (page 42)
 - Management (page 42)
 - Marketing (page 43)
- Communication (page 44)
- Computer Software Technology (page 45)
- Early childhood education (page 46)
 - Primary education (page 47)
 - Program management (page 47)
- Equine industries management (page 47)
- Golf facilities and turf systems (page 48)
- Health management (page 49)
- Health sciences (page 50)
- Hotel, restaurant, and institutional management (page 53)
 - Food service administration (page 53)
 - Hotel/restaurant management (page 54)
 - Resort/spa management (page 54)
- Information technology management (page 55)
- Natural resources (page 58)
 - Natural resource management (page 59)
 - Natural resources law enforcement (page 61)
 - Park management (page 60)
 - Water resource management (page 60)
 - Wildlife management (page 59)
- Plant industries management (page 61)
 - Agronomy (page 62)
 - Horticulture (page 62)
- Sport and recreation management (page 62)

Bachelor in an Applied Field

- Bachelor of applied health (page 35)
- Bachelor of manufacturing management (page 56)

Minor

- Business management (page 43)
- Coaching (page 44)
- Information technology management (page 56)
- Music (page 58)
- Technical communication (page 63)

Associate in Applied Science

- Agriculture (page 32)
- Dietetic technician (page 45)
- Hotel, restaurant, and institutional management (page 54)
- Information management (page 55)
- Marketing and management (page 57)

Associate in Science

- Business (page 40)

Certificate Programs

- Hotel, restaurant, and institutional management (page 54)
- Manufacturing management (page 57)

Program Option

- Aerospace studies Air Force ROTC (page 29)