



### **Crookston Campus**

## **Manufacturing Management B.M.M.**

*Business*

### **Academic Affairs**

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2021
- Required credits to graduate with this degree: 120
- Required credits within the major: 47
- Degree: Bachelor of Manufacturing Management

The bachelor of manufacturing management (BMM) is a career-oriented program that prepares students to manage people and machines in a manufacturing environment. Graduates will be able to supervise a manufacturing process, manage human and mechanical resources within budgetary constraints, and assure product quality.

The program is designed to meet the needs of people already in the workplace and two-year graduates who want to continue their education to the bachelor's degree level with seamless integration of prior credits earned. The program is available for in-class instruction on campus, as well as through online education. The online education components of the program are delivered through asynchronous electronic communication technologies and self-directed learning.

#### **Program outcomes:**

- Play a growing role in their workplace, especially in supervision and management.
- Contribute to manufacturing system technology and quality control.
- Establish a quality control department and train staff to meet quality audits.
- Develop grades and standards of quality.
- Set up acceptance sampling and inspection procedures.
- Prepare quality control charts and reports.
- Control the movement of materials in the most efficient manner at the right time, to and from the correct place in the required quantity.
- Do a safety audit through a comprehensive approach to problems of safety in the workplace, including meeting the OSHA standards.

## **Program Delivery**

This program is available:

- via classroom (the majority of instruction is face-to-face)
- completely online (all program coursework can be completed online)
- primarily online (at least 80% of the instruction for the program is online with short, intensive periods of face-to-face coursework)
- partially online (between 50% to 80% of instruction is online)

## **Admission Requirements**

For information about University of Minnesota admission requirements, visit the [Office of Admissions website](#).

## **General Requirements**

All students are required to complete general University and college requirements. For more information, see the [graduation requirements](#).

## **Program Requirements**

Students must complete 40 upper-division credits.

A maximum of two D grades are allowed for core courses required in the program and technology requirements. This includes grades earned at UMC or transferred in from another institution.

### **Manufacturing Management Core**

Take 14 or more course(s) totaling 41 or more credit(s) from the following:

- [ACCT 3010](#) - Managerial Accounting (3.0 cr)
- [BM 3000](#) - Manufacturing Processes (3.0 cr)
- [BM 3020](#) ~~(Inactive)~~ (3.0 cr)
- [BM 3025](#) - Lean Manufacturing (4.0 cr)
- [BM 3034](#) - Applied Quality (3.0 cr)
- [BM 3040](#) - Industrial Simulation (3.0 cr)



- **FIN 3100** - Managerial Finance (3.0 cr)
- **GBUS 1005** - Orientation to Online Learning (1.0 cr)
- **MGMT 3200** - Principles of Management (3.0 cr)
- **MGMT 3215** - Organizational Behavior (3.0 cr)
- **MGMT 3250** - Operations Management (3.0 cr)
- **MGMT 4200** - Project Management (3.0 cr)
- Choose one of the following:
  - **ACCT 2010** - Financial Accounting (3.0 cr)
  - or **ACCT 2101** - Principles of Accounting I (3.0 cr)
- Choose one of the following:
  - **COMM 3008** - Business Writing (3.0 cr)
  - or **WRIT 3303** - Writing in Your Profession (3.0 cr)

### Upper-Division Electives

Students must complete 6 credits of upper-division electives from any department.

### Upper-Division Business/Technology

Select a course that is not listed in the Manufacturing Management Core.

Take 1 or more course(s) totaling 3 or more credit(s) from the following:

- **ACCT 3xxx**
- **ACCT 4xxx**
- **BM 3xxx**
- **BM 4xxx**
- **ENTR 3xxx**
- **ENTR 4xxx**
- **FIN 3xxx**
- **GBUS 3xxx**
- **ITM 3xxx**
- **ITM 4xxx**
- **MGMT 3xxx**
- **MGMT 4xxx**
- **MKTG 3xxx**
- **MKTG 4xxx**
- **SE 3xxx**
- **SE 4xxx**

### Liberal Education

Take 6 or more course(s) totaling 18 or more credit(s) from the following:

- **COMP 1011** - Composition I [COMMUNICAT] (3.0 cr)
- **COMP 1013** - Composition II [COMMUNICAT] (3.0 cr)
- **ECON 2101** - Microeconomics [HI/BEH/SSC] (3.0 cr)
- **MATH 1031** - College Algebra [MATH THINK] (3.0 cr)
- **MATH 1150** - Introduction to Statistics [MATH THINK] (3.0 cr)
- **COMM 1101** - Public Speaking [COMMUNICAT] (3.0 cr)

### Open Electives

Students must take enough open elective credits to meet the 120 credit graduation requirement. Approximately 52 credits will be needed.

## Program Sub-plans

A sub-plan is not required for this program.

### Online

The manufacturing management program is a career-oriented program that prepares students to manage people and machines in a manufacturing environment. Graduates will be able to supervise a manufacturing process, manage human and mechanical resources within budgetary constraints, and assure product quality. The curriculum for the manufacturing management online program is the same as the curriculum for the on-campus program.