

Anoka-Ramsey Community College Transfer Guide
University of Minnesota
College of Continuing and Professional Studies (CCAPS)

Manufacturing Operation Management

Manufacturing is the engine that drives the American economy. And today's high-tech manufacturing environment is generating challenging new employment opportunities for individuals who understand the growing competitive pressures that businesses face in the global economy.

Manufacturing Operations Management (MM) at the University of Minnesota provides in-depth understanding of the technologies, processes, financial factors, and key strategies that sustain productivity and competitiveness, as well as the systems and critical thinking skills needed to immediately apply this knowledge. The curriculum combines a strong foundation in manufacturing systems and processes, supply chain/quality/project, and operations management.

The Manufacturing Operations Management program prepares you for today's competitive job environment with course work in:

- Manufacturing processes and systems
- Quality, cost control, and regulation
- Global supply chain management
- Business finance, operations, and project management
- Engineering concepts and resource optimization
- Sustainability and lean practices
- Program update

Major Admission Prerequisites

University of Minnesota-Twin Cities (UMTC) Course Title	UMTC Course Number	ARCC Course Number
Calculus I* (Mathematical Thinking LE)	Math 1142 or 1271	Math 1310 or 1400
Physics I and Lab* (Physical Science LE)	Phys 1101W or 1107 or 1301W	Phys 1317 or 1327
Chemistry*	Chem 1015 or 1061	Chem 1061

Preparatory Courses

University of Minnesota-Twin Cities (UMTC) Course Title	UMTC Course Number	ARCC Course Number
English Composition	Writ 1301 or 1401	Engl 1121
Public Speaking or Interpersonal Communication	Comm 1101 or 1313W or 3402 or 3411, or PSTL 1461, or WRIT 3257	Spch 1110 or 2215 or 2220
Statistics	Stat 1001 or 3011 or PSTL 1004 or OMS 2550	Math 1110
Microeconomics or Macroeconomics	Econ 1101 or 1102, or APEC 1101 or 1102 (only microeconomics at the U of M fulfills LE Soc Sci & GP reqs)	Econ 2205 or 2206
Financial Accounting	Acct 2050	Bus 1125
Technical Writing	ABus 4023W, or Writ 3001 or 3152W or 3562W, or Phys 1101W or 1301W	Engl 1104

* Required completion (or in progress) before official admission to the U of MN Bachelor of Applied Science Manufacturing Operations Management (MM) major.