

# OPERATIONS MANAGEMENT

## BACHELOR OF SCIENCE DEGREE

### MINNESOTA STATE UNIVERSITY, MOORHEAD

Minnesota's **ONLY** accredited **2+2** technical management degree

National Association of Industrial Technology (NAIT) Accredited

MSUM's Operations Management Bachelor of Science Degree prepares individuals with a technical knowledge base for a career managing people or processes. The program focuses on taking a technical professional and teaching them how to lead in their technical environment. It teaches them how to interpret financial statements, use technology to make business decisions, manage projects, create work environment efficiencies, and lead people. The Operations Management Program's key feature is its diversity. It is a great fit for multiple program areas, including manufacturing, robotics, wholesale, technical sales, computer network specialists, computer technicians, medical office careers, medical technical careers, health professionals (EMT), and transportation careers. The Operations Management degree prepares technical and/or technical management-oriented professionals for employment in business, industry, education, and government. If you would like more information, please contact Pam McGee at [mcgeepa@mnstate.edu](mailto:mcgeepa@mnstate.edu) / 1.218.477.2466 or visit our website at [www.mnstate.edu/om](http://www.mnstate.edu/om).

## SUGGESTED COURSE SEQUENCING

### Junior Year

#### Fall Semester:

Tech 380 Methods Improvement	3 cr
Tech 383 Cost Analysis	3 cr
Acct 230 Financial Accounting	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
<b>Total</b>	<b>15 cr</b>

#### Spring Semester:

Tech 485 Production and Inventory	3 cr
Tech 493 OS & H	3cr
MGMT 360 Intro to Management	3cr
Elective	3 cr
Elective	<u>3cr</u>
<b>Total</b>	<b>15 cr</b>

### SENIOR YEAR

#### Fall Semester:

Tech 393 Computer Appls	3 cr
Tech 482 Quality Plan/Impl	3 cr
Phil 312 Business Ethics	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
<b>Total</b>	<b>15 cr</b>

#### Spring Semester:

Tech 385 Process Leadership	3cr
Tech 428 Project Managemnet	3 cr
Elective	3 cr
Elective	3cr
Elective	<u>3cr</u>
<b>Total</b>	<b>15 cr</b>

**\*490 Internships:** Internships are often completed in the summer and at the students current place of employment.

# COURSE REQUIREMENTS

## MSU-MOORHEAD CUSTOMIZED ADVISEE SHEET

<b>DRAGON CORE</b> <b>(MINIMUM OF 14 COURSES AND 42 CREDITS)</b>		<b>42</b>	<b>CR</b>	<b>GR</b>
	<b>Foundation Four (4 Core Courses)</b>			
1A	Oral Communication COMS 100-Speech Communication	3		
1B	Written Communication Engl 101-Composition I (W1)	3		
2	Critical Thinking (Select DC#2 Class)	3		
3	Math 127-College Algebra	3		
	<b>Inner and Middle Cluster</b> <b>(at least 3 MC of 7 Courses)</b>			
3M	Mathematics Math 234 Probability & Statistics	3		
4I/M	Natural Sciences (2 Classes) Chemistry/Physics with a Lab Chemistry/Physics	3 4		
5M	History and Social Sciences Econ 202: Principles of Microeconomics	3		
6I/M	The Humanities	3		
7M	Human Diversity	3		
	Additional Elective from Middle Cluster	3		
	<b>Outer Cluster Classes (3 classes)</b>			
8	Global Perspective	3		
9	Ethical and Civil Responsibility PHIL 312-Business Ethics (W4)	3		
10	People and Environment	3		
	Minimum total	43		

### OPERATIONS MANAGEMENT B.S. DEGREE 2+2

<b>OPERATIONS MANAGEMENT CORE</b>		Cr	27
Tech 380 Methods Improvement		3	_____
Tech 383 Cost Analysis		3	_____
Tech 385 Process Leadership		3	_____
Tech 394 Computer Applications		3	_____
Tech 428 Project Management		3	_____
Tech 482 Quality Planning/Implementation		3	_____
Tech 485 Production /Inventory Management		3	_____
Tech 493 Occupational Safety/Health		3	_____
Mgmt 360 Principles of Management		3	_____

### INTERNSHIP REQUIRED (Minimum of 3 credits) **3-12**

Tech 469 Internship (3 to 12 credits)	_____
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### TECHNICAL TRANSFER BLOCK **30**

\* (30 technical transfer credits from technical area) \_\_\_\_\_

### RELATED REQUIREMENTS **3**

Acct 230 Principles of Accounting	3	_____
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### GENERAL EDUCATION (DRAGON CORE) **43**

### ELECTIVES **6-14**

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**TOTAL CREDITS 120**

\*This 2+2 BS program, the first approved by MnSCU for block credit transfer, recognizes the technical courses as a cohesive set of courses with stated and verified educational outcomes.

