

**MINNOSOTA STATE UNIVERSITY-MOORHEAD**

**CUSTOMIZED FOR NORTH HENNEPIN COMMUNITY COLLEGE**

**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. For more information contact Pam McGee, [mcgeepa@mnstate.edu](mailto:mcgeepa@mnstate.edu) or visit our webpage 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

MN TRANSFER CURRICULUM OR DRAGON CORE (MINIMUM OF 14 COURSES AND 42 CREDITS)		43 CR	GR
<b>GOAL AREA</b>			
1	<b>COMMUNICATION</b>	<b>9 CREDITS</b>	
	<b>Oral Communication</b> SPCH 1010 Fundamentals of Public Speaking	3	
	<b>Written Communication</b> ENGL 1111 Freshman English I	3	
1/2	<b>Critical Thinking</b> ENGL 1112 Freshman English II	3	
3	<b>NATURAL SCIENCES</b>	<b>7 CREDITS</b>	
	<b>Chemistry or Physics with a LAB</b> CHEM 1010 Intro to Chemistry	4	
	<b>Physics</b> See website (below) for class choices	3	
4	<b>MATHEMATICAL</b>	<b>6-7 CREDITS</b>	
	MATH 1150 College Algebra	3	
	MATH 1130 Elementary Statistics MATH 1200 Calculus Survey	3/4	
5	<b>HISTORY, SOCIAL/BEHAVIORAL SCIENCES</b>	<b>9 CREDITS</b>	
	<b>Social Science</b> ECON 1070 Principles of Economics-Micro	3	
	<b>Behavioral Science</b> See website (below) for class choices	3	
	<b>Behavioral OR Social Science</b> See website (below) for class choices	3	
6	<b>The HUMANITIES and FINE ARTS</b>	<b>9 CREDITS</b>	
	PHIL 1020 Ethics	3	
	See website (below) for class choices	6	
7-10	<b>HUMAN DIVERSITY GLOBAL PERSPECTIVE ETHICAL AND CIVIC RESPONSIBILITY PEOPLE AND THE ENVIRONMENT</b>	<b>7 CREDITS</b>	

Students must take courses in three (3) of the four (4) goal areas 7-10.  
**Courses in goal areas 1-6 that are also listed in these four goal areas can be used to satisfy BOTH areas.**  
**MEET WITH AN ADVISOR** or see website (below) for class choices.

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

OPERATIONS MANAGEMENT CORE		Cr	24
Tech 380 Methods Improvement		3	_____
Tech 383 Cost Analysis		3	_____
Tech 385 Process Leadership (W4)		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	_____

**INTERNSHIP REQUIRED** (Minimum of 3 credits) 12  
 Tech 469 Internship (3 to 12 credits) \_\_\_\_\_

**TECHNICAL TRANSFER BLOCK** 30  
 \* (30 technical transfer credits from technical area) \_\_\_\_\_

**LOWER DIVISION REQUIREMENTS** 6  
 Acct 2111 Financial Accounting 3 \_\_\_\_\_  
 Bus 1200 Introduction to Management 3 \_\_\_\_\_

**GENERAL EDUCATION (MTC)** 43

**ELECTIVES** 5

(Electives or transfer credits not applying to MTC or the technical transfer block above. Must also include a one credit 490 Special Topics course to fulfill 40-credits of upper division).

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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.**

### MNTC WEBSITE REFERENCE:

[HTTP://WWW.NHCC.EDU/MYDOCS/1000025/S1027-05.PDF](http://www.nhcc.edu/mydocs/1000025/S1027-05.pdf)



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