

## ANOKA TECHNICAL COLLEGE TRANSFER ADVISING SHEET (A.A.S. IN ACT)

Now that you have completed your A.A.S. degree in Architectural & Construction Technology, maybe you are looking to continue your education. *Now you can complete your B.S. degree in Construction Management from MSU Moorhead at the North Hennepin Community College campus or at the Moorhead campus.*

To earn your B.S degree, you need to complete your General Education Requirements and the Construction Management Core Curriculum. The General Education requirements can be satisfied by completing the Minnesota Transfer Curriculum (MNTC). The number of credits needed to comply with MNTC will vary on an individual student basis, depending on how many general education credits you have completed to date. You will also need to complete an additional 62 credits of Construction Management and Business courses from MSUM, as detailed below. The approximate number of credits needed to complete the B.S. degree in CM is 85 credits, but may be less depending on your academic record.

If you want to learn more about Construction Management, you can visit our website at [www.mnstate.edu/cm](http://www.mnstate.edu/cm) or you can contact our local Twin Cities representatives, either Jessica Endres ([endres@mnstate.edu](mailto:endres@mnstate.edu)) or Sara Leigh ([leighsa@mnstate.edu](mailto:leighsa@mnstate.edu)). You can also contact the CM Program Coordinator, Mr. Scott Seltveit ([seltveit@mnstate.edu](mailto:seltveit@mnstate.edu)) at the Moorhead campus. Contact us today to find out if you're on the right path!

### SUGGESTED CM COURSE SEQUENCING

#### JUNIOR YEAR

##### Fall Semester:

CM 205	Professional Growth Seminar	1 cr
CM 354	Mechanical/Electrical Systems	3 cr
CM 370	Documents/Specifications	3 cr
	Principles of Accounting I	3 cr
	Legal Environment of Business	3 cr

**Total** **13 cr**

##### Spring Semester:

CM 325	Heavy/Highway Construction Materials	3 cr
CM 326	H/H Construction Materials Lab	1 cr
CM 340	Construction Planning & Scheduling	4 cr
CM 430	Estimating II – Pricing & Productivity	3 cr
Eng 200	Surveying	3 cr
Tech 394	Computer Applications for Engr/Tech	3 cr

**Total** **17 cr**

#### SENIOR YEAR (NOTE: CM 469 INTERNSHIP WILL BE TAKEN DURING THE SUMMER OF JUNIOR/SENIOR YEAR)

##### Fall Semester:

CM 425	Equipment Production & Analysis	3 cr
CM 434	Construction Cost Analysis	3 cr
CM 460	Project Administration	3 cr
Eng 243	Engineering Mech. I (Statics)	3 cr
	Principles of Management	3 cr

**Total** **15 cr**

##### Spring Semester:

CM 427	Sustainability in the Built Environment	3 cr
CM 465	Construction Safety	2 cr
CM 469	Internship	3 cr
CM 496	Capstone Experience	3 cr
Tech 385	Process Leadership	3 cr
	Management elective	3 cr

**Total** **17 cr**

In addition to the courses listed above you must complete the Minnesota Transfer Curriculum for General Education or about 23 to 28 more credits, depending on how many general education courses you have completed.

Minnesota State University Moorhead is an equal opportunity educator & employer and is a member of the Minnesota State Colleges & Universities System.

This information will be made available in alternate format, such as Braille, large print or audio cassette tape upon request by contacting Disability Services at 218.477.5859 (voice) or 1.800.627.3529 (MRS/TTY).

# COURSE REQUIREMENTS

## ***MSU-MOORHEAD B.S. CM CUSTOMIZED ADVISEE SHEET FOR ATC A.A.S. degree in Architectural and Construction Technology***

MN TRANSFER CURRICULUM REQUIREMENTS		CR	GR
<b>GOAL AREA</b>			
1	<b>COMMUNICATION</b>	<b>9 CREDITS</b>	
	<b>Oral Communication</b> Speech	3	Trnsf
	<b>Written Communication</b> Composition I	3	Trnsf
	<b>Critical Thinking</b>	3	
3	<b>NATURAL SCIENCES</b>	<b>7 CREDITS</b>	
	<b>Physics with a LAB</b> General Physics		
	<b>Geology</b> Physical Geology		
4	<b>MATHEMATICAL</b>	<b>3 CREDITS</b>	
	Pre-Calc. or Applied Calc.		
5	<b>HISTORY, SOCIAL/BEHAVIORAL SCIENCES</b>	<b>9 CREDITS</b>	
	<b>Social Science</b> Microeconomics	3	
	<b>Behavioral Science</b>	3	
	<b>Behavioral OR Social Science</b> See website (below) for class choices		
6	<b>The HUMANITIES and FINE ARTS</b>	<b>9 CREDITS</b>	
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. <b>Courses in goal areas 1-6 that are also listed in these four goal areas can be used to satisfy BOTH areas.</b> <b>MEET WITH AN ADVISOR</b> or see website (below) for class choices.			
Varies	<b>General Education Electives</b>	7	Trnsf

CONSTRUCTION MANAGEMENT CURRICULUM		CR	GR
<b>CONSTRUCTION MATERIALS AND METHODS (13 cr)</b>			
CM 220	Commercial Building Methods & Materials	3	Trnsf
CM 325	Heavy/Highway Construction Materials	3	
CM 326	Heavy/Highway Construction Materials Lab	1	
CM 425	Equipment Productivity & Analysis	3	
CM 427	Sustainability in the Built Environment	3	
<b>CONSTRUCTION ESTIMATING, COST CONTROL &amp; SCHEDULING (13 cr)</b>			
CM 330	Construction Estimating I – Quantity Survey	3	Trnsf
CM 340	Construction Planning & Scheduling	4	
CM 430	Estimating II – Pricing & Productivity	3	
CM 434	Construction Cost Analysis	3	
<b>CONSTRUCTION COMPUTER APPLICATIONS (6 cr)</b>			
CM 216	Construction Graphics	3	Trnsf
Tech 394	Computer Applications for Engr/Tech	3	
<b>ANALYSIS &amp; DESIGN OF CONSTRUCTION SYSTEMS (12 cr)</b>			
Eng 200	Surveying	3	
Eng 243	Engr. Mechanics I (Statics)	3	
CM 350	Structural Design & Analysis	3	Trnsf
CM 354	Mechanical/Electrical Systems	3	
<b>PROFESSIONAL GROWTH, PROJECT MANAGEMENT &amp; SAFETY (15 cr)</b>			
CM 205	Professional Growth Seminar	1	
CM 460	Project Administration	3	
CM 465	Construction Safety	2	
CM 469	Internship	3	
CM 496	Capstone Experience	3	
CM 370 CM 470	<i>Construction elective (choose one)</i> Documentation and Specifications Construction Law	3	
<b>OTHER CM CURR. REQUIREMENTS (15 cr)</b>			
	Principles of Accounting I	3	
	Principles of Management	3	
Tech 385	Process Leadership	3	
BUS1300	Legal Environment of Business	3	
	Management Elective	3	

**MNTC WEBSITE REFERENCE:**

<http://www.nhcc.edu/mydocs/1000025/S1027-05.pdf>

