

Strategic Plan 2021

Goal #1: Implement an Academic Quality Improvement Process for the CM Program

Objective	Measurement	Frequency
1. Evaluate CM Program Student Learning Outcomes.		
<p>1.1 Students will demonstrate basic knowledge of, and be able to apply, the concepts of estimating, construction planning, scheduling, project controls, construction finance, cost control, risk management, and safety as they relate to being a field or project engineer, superintendent, or project manager. (ACCE SLO's 3,4,5,9,13,14,&16)</p>	<p>CM 365 Construction Safety (SLO 3)</p> <ul style="list-style-type: none"> <i>Seventy-five percent of the students will earn at least 75% on the construction project safety plan assignment.</i> 	Data from the assignment is collected annually and SLO is assessed every three years.
	<p>CM 335 Construction Estimating I (SLO 4)</p> <ul style="list-style-type: none"> <i>Seventy-five percent of the students will earn at least 75% on the construction project cost estimate assignment.</i> 	Data from the assignment is collected annually and SLO is assessed every three years.
	<p>CM 340 Construction Planning & Scheduling (SLO 5)</p> <ul style="list-style-type: none"> <i>Seventy-five percent of the students will earn at least 75% on the construction project scheduling assignment.</i> 	Data from the assignment is collected annually and SLO is assessed every three years.
	<p>AC Level I Certification Exam (SLO 13, 14 & 15)</p> <ul style="list-style-type: none"> <i>The CM Program will meet or exceed the national average for the SLO.</i> 	Data is collected annually and SLO's are assessed every three years.
<p>1.2 Student will apply appropriate knowledge of mathematics, science, business fundamentals, and electronic-based technology to various construction management processes, design theory, surveying techniques,</p>	<p>CM 216, 335 & 340 - Verify Technical Efficiency of Software (SLO 10)</p> <ul style="list-style-type: none"> <i>Seventy-five percent of the students will earn at least 75% on the Technical Efficiency Exam.</i> 	Data from the assignment is collected annually and SLO is assessed every three years.
	<p>CM 200 & 200L Construction Surveying (SLO 11)</p>	

<p>mechanical/electrical concepts, and analysis of construction systems. (ACCE SLO's 10,11,19,&20)</p>	<ul style="list-style-type: none"> • <i>Seventy-five percent of the students will earn at least 75% on the Comprehensive Final Exam</i> <p>AC Level I Certification Exam (SLO 19 & 20)</p> <ul style="list-style-type: none"> • <i>The CM Program will meet or exceed the national average for the SLO.</i> 	<p>Data from the assignment is collected annually and SLO is assessed every three years.</p> <p>Data is collected annually and SLO's are assessed every three years.</p>
Objective	Measurement	Frequency
<p>1.3 Students will be able to analyze construction materials, methods, construction systems, equipment, design theory, quality assurance, sustainable/lean construction concepts, and have basic knowledge of their application to the construction process. (ACCE SLO's 8,15&18)</p>	<p>AC Level I Certification Exam</p> <ul style="list-style-type: none"> • <i>The CM Program will meet or exceed the national average for the SLO.</i> 	<p>Data is collected annually and SLO's are assessed every three years.</p>
<p>1.4 Analyze construction documents for planning and management of construction processes and understand the legal implications of project delivery methods, contracts, common, and regulatory law needed to manage a construction project. (ACCE SLO's 7,12&17)</p>	<p>AC Level I Certification Exam</p> <ul style="list-style-type: none"> • <i>The CM Program will meet or exceed the national average for the SLO.</i> 	<p>Data is collected annually and SLO's are assessed every three years.</p>
Objective	Measurement	Frequency

<p>1.5 Students will develop ethical principles and be able to communicate clearly and effectively as individuals and as a member of a multi-disciplinary team. (ACCE SLO's 1,2,6,&9)</p>	<p>CM 340 (SLO 1)</p> <ul style="list-style-type: none"> • <i>Seventy-five percent of the students will earn at least 75% on the written communication assignment.</i> <p>CM 469 Internship Oral Presentation (SLO 2)</p> <ul style="list-style-type: none"> • <i>Seventy-five percent of the students will earn at least 75% on the oral communication assignment.</i> <p>AC Level I Certification Exam (SLO 6)</p> <ul style="list-style-type: none"> • <i>The CM Program will meet or exceed the national average for the SLO.</i> <p>CM 445 Contractor Quality Management (SLO 9)</p> <ul style="list-style-type: none"> • <i>Seventy-five percent of the students will earn at least 75% on the multi-disciplinary team assignment.</i> 	<p>Data from the assignment is collected annually and SLO is assessed every three years.</p> <p>Data from the assignment is collected annually and SLO is assessed every three years.</p> <p>Data is collected annually and SLO's are assessed every three years.</p> <p>Data from the assignment is collected annually and SLO is assessed every three years.</p>
Objective	Measurement	Frequency
2. Evaluate Course Learning Outcomes for each CM Course.		
<p>2.1 All CM course syllabi are developed in a consistent format.</p>	<p>100% of the course syllabi will be developed in a consistent format (See format in the Assessment Plan.).</p>	<p>Each time the course is taught the syllabus is posted to the S drive to be reviewed by the faculty.</p>
Objective	Measurement	Frequency
<p>2.2 Course Learning Outcomes are evaluated for every CM course.</p>	<p>Each course syllabus will include course learning outcomes with associated benchmarks and assessment measures.</p>	<p>Course learning outcomes are evaluated by respective CM faculty each time the course is taught.</p>
Objective	Measurement	Frequency
3. Evaluate ACCE Student Learning Outcome (SLO's)		

<p>3.1: Evaluate ACCE SLO's on three-year cycle.</p>	<p>ACCE SLO's 1-5 will be evaluated in cycle 1. ACCE SLO's 6-11 will be evaluated in cycle 2. ACCE SLO's 12-20 will be evaluated in cycle 3.</p>	<p>Each ACCE SLO will be evaluated twice in a six-year accreditation cycle beginning first year after reaccreditation visit.</p>
<p>4. Maintain ACCE Accreditation</p>		
<p>4.1 The CM Program maintains accreditation.</p>	<p>The CM Program will be re-accredited each six-year accreditation cycle.</p>	<p>Every six years and requires continuous evaluation annually.</p>

GOAL #2: Increase the number of Construction Management majors.

Objective	Measurement	Frequency
<p>2.1 Successfully market and recruit for face-to-face CM program.</p>	<p>Maintain F2F CM program enrollment of 70 to 90 students. F2F enrollment is currently at this level, but challenge will be to maintain level while not losing students to online delivery.</p>	<p>Evaluate annually in September of each year.</p>
<p>2.2 Successfully market and recruit for online CM completer degree.</p>	<p>Maintain online CM completer degree enrollment of 30 to 40 students by fall 2023.</p>	<p>Evaluate annually in September of each year.</p>
<p>2.3 Reach and maintain a stable CM program enrollment corresponding to three full-time CM faculty members.</p>	<p>Maintain a CM combined program of 100 to 130 CM majors by fall 2023.</p>	<p>Evaluate annually in September of each year.</p>

GOAL #3: Enhance Scholarship Opportunities for CM Majors

Objective	Measurement	Frequency
3.1 Increase Awarded Scholarships Total for CM Majors	Compare annual scholarship awards to verify if amount has increased.	Review annually at Fall IAB meeting.

GOAL #4: Develop activities that lead to greater construction industry interaction with CM students.

Objective	Measurement	Frequency
4.1 CM faculty and students will work with the members and leadership of the IAB to facilitate industry interaction.	The IAB, CM faculty, and student groups will complete one joint project/activity each semester.	Update results of project at following IAB meeting.
4.2 CM faculty will incorporate construction industry field trips and/or speakers in every course.	Record industry interaction on “Industry Interaction Spreadsheet” and reference course number and industry person.	Verify “Industry Interaction Spreadsheet” is current as part of annual Assessment Report.

GOAL #1: Implement an Academic Quality Improvement Process for the CM Program

Ties to MSUM Strategic Anchor #1 - We will focus relentlessly on student achievement and students’ return on their investment.

- Ensure student learning and achievement are at the center of our work.
- Assess the effectiveness of our curriculum and pedagogy and make continuous improvement.

Ties to MSUM Strategic Anchor #2 – We will create a campus community that is diverse, inclusive, globally aware, and just.

Ties to MSUM Strategic Anchor #3 – We will be indispensable to the social, cultural, and economic advancement of Moorhead and the surrounding communities.

GOAL #2: Increase the number of Construction Management majors.

Ties to MSUM Strategic Anchor #2 – We will create a campus community that is diverse, inclusive, globally aware, and just.

- Create a campus community that reflects the diversity of society.
- Ensure MSUM is accessible and welcoming to students and employees who have historically been underserved by higher education.

Ties to MSUM Strategic Anchor #3 – We will be indispensable to the social, cultural, and economic advancement of Moorhead and the surrounding communities.

- Attract and retain talent to Moorhead and the region.

GOAL #3: Enhance Scholarship Opportunities for CM Majors

Ties to MSUM Strategic Anchor #1 - We will focus relentlessly on student achievement and students' return on their investment.

- Celebrate students' outstanding achievement in academics, the arts, athletics, service, and leadership.

GOAL #4: Develop activities that lead to greater construction industry interaction with CM students.

Ties to MSUM Strategic Anchor #1 - We will focus relentlessly on student achievement and students' return on their investment.

- Engage students with the community in educationally purposeful ways.

Ties to MSUM Strategic Anchor #3 – We will be indispensable to the social, cultural, and economic advancement of Moorhead and the surrounding communities.

- Enrich the community through academic, athletic, arts, service, and leadership opportunities.