

CONSTRUCTION MANAGEMENT ARTICULATION AGREEMENT GUIDE

Monroe County Community College – AAS in Construction Management Technology

Eastern Michigan University – B.S. in Construction Management

Monroe County Community College Courses: Transfer to Eastern Michigan University as:**Michigan Transfer Agreement (MTA) Requirements (30 credits)**

Students with the MTA endorsement on their community college transcript have satisfied EMU's General Education Core Requirements and will be required to complete only the EMU General Education Application Requirements of one Perspectives on a Diverse World course, one Learning beyond the Classroom experience, and one Writing Intensive course in the major. Specific courses listed below for the MTA will also satisfy major or program requirements at MCCC and/or EMU. Students who started college before Fall 2014 may continue to follow the MACRAO Agreement until the end of summer 2019. MACRAO versions of articulation guides are posted online at http://www.emich.edu/ccr/archartguide_macrao.php. For courses approved to satisfy the MTA go to the MCCC website: <http://www.monroeccc.edu/academicadv-transfer/PDF%201%20MCCC%20MTA%20Table.pdf>

1. A Course in English Composition		
ENGL 151 English Composition I.....	3	University Elective.....3
2. A Second Course in English Composition or Communication		
Choose from the approved MTA list.....	3	University Elective.....3
3. A Course in Mathematics		
* MATH 162 Introduction to Statistics.....	3	MATH 170 Elementary Statistics3
4. Two Courses in Natural Sciences from different disciplines (one lab required)		
* PHY 151 General Physics I.....	4	PHY 221 Mechanics, Sound and Heat4
* ESC 151 Earth Science	4	sub for ESSC 1104
5. Two Courses in Humanities from different disciplines		
Choose from the approved MTA list.....	3-4	University Elective..... 3-4
¹ Complete one course: ENGL 240, 255, or 266.....	3	Perspectives on a Diverse World Requirement 3-4
6. Two Courses in Social Science from different disciplines		
POLSC 151 Introduction to Political Science	3	University Elective.....3
* ECON 251 Principles of Macroeconomics.....	3	subs for ECON 100 or 2003
7. If needed, complete an additional course from the above categories to meet the 30 credit minimum for the MTA		

MCCC Program Requirements (47 credits)

* ² ACCTG 151 Accounting Principles	4	ACC 240 Principal of Accounting I (3)+1	4
* ² BMGT 201 Principles of Management (Restricted Elective)	3	subs for MGMT 384	3
* CONM 100 Intro to Design & Construction.....	3	CNST 125 Introduction to Construction	3
* CONM 101 Materials of Construction (3) and			
* METC 220 Statics & Strength of Materials (4).....	7	CNST 202 Construction Materials	7
³ CONM 102 Construction Practices.....	3	CM Restricted Elective.....	3
* CONM 103 Residence Drafting	4	CNST 228 Construction Graphics (3)+1	4
* CONM 105 Mechanical Building Systems	4	CNST 201 Construction Systems	4
* CONM 107 Surveying.....	3	CNST 206 Surveying	3
* CONM 110 Construction Blueprint Reading	3	CNST 229 Analysis of Commercial Prints	3
CONM 160 Green Building and LEED Rating System	3	University Elective.....	3
* CONM 202 Construction Safety	3	CNST 213 Construction Safety.....	3
CONM 240 Construction Planning & Scheduling	3	University Elective.....	3
³ MDTC 160 Mechanical Drafting and CAD I	4	PDD 122 (CM Restricted Elective).....	4

EMU Requirements That May be Taken at MCCC or EMU (17-18 credits)

* ² BSLW 251 Business Law.....	3	LAW 293 Legal Environment of Bus.....	3
* ² ENGL 102 Business Writing	3	MGMT 202 Business Communication.....	3
³ MATH 164 Precalculus or (MATH 157 and MATH 159)	4	MATH 105 & MATH 107 (CM Res Elective) (prereq for Calc I) ..	4
* Complete one course:	4	One course (NS/Math Restricted Elective)	4
MATH 171 Calculus I (4) or		MATH 120 Calculus I (3)+1 or	
CHEM 150 Fund Principles of Chemistry (4)		CHEM 117&118 Fund of Chemistry (4)	
* ² Choose one business course from the following:	3-4	Required Business Elective	3-4
ACCTG 152, BUSAD 151, BMGT 160, BMGT 220, CIS 130			

Credits at MCCC:94 Credits that apply to EMU's Program..... 90

* Required course or prerequisite in EMU's Construction Management program.

¹ Satisfies EMU's Perspectives on a Diverse World Requirement.² Counts toward the 15 hours of Business Requirements for EMU's program.³ Counts toward the 12 hours of Construction Management Restricted Electives required for EMU's program.

Sign up with us: If you let us know you are using this articulation agreement we can stay in touch with you and provide information and advising to you while you are still at your community college. Sign up at: www.emich.edu/ccr/trackingssystem/Enter.php

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<p><u>Completion of EMU's Construction Management Program</u></p> <p>Major Requirements (34 credits)</p> <p>Required Courses (31 credits)</p> <p>CNST 302 Contract Documents, Regulations & Specs 3</p> <p>CNST 303 Electrical, Mechanical & Equipment Systems ... 3</p> <p>CNST 304 Construction Estimating & Bidding 3</p> <p>CNST 361 Planning & Scheduling 3</p> <p>^{1,2} CNST 385L4 Cooperative Education (LBC) 1</p> <p>CNST 403 Production Control 3</p> <p>CNST 406W Construction Law (WI) 3</p> <p>CNST 412 Fundamentals of Structural Design 3</p> <p>CNST 436 Heavy/Highway Construction Contracting 3</p> <p>² CNST 440 LEED for New Construction & Major Ren 3</p> <p>CNST 450 Fund of Construction Project Mgmt 3</p> <p>² CM Restricted Elective (3 credits)</p> <p>Complete three credits from below:</p> <p style="padding-left: 20px;">CNST 426 Mechanical & Elect Const Applications (3)</p> <p style="padding-left: 20px;">CNST 427 Industrial Construction (3)</p> <p style="padding-left: 20px;">CNST 437 Environmental Construction Contracting (3)</p> <p style="padding-left: 20px;">CNST 438 Fund of Land Development (3)</p> <p style="padding-left: 20px;">CNST 479 Special Topics (3)</p> <p style="padding-left: 20px;">CNST 499 Directed Study in CM Techniques (3)</p> <p style="padding-left: 20px;">Other EMU CNST course by approval of CM advisor</p> <p>Credits at EMU: 34</p> <p>Transfer Credits: 90</p> <p>*Credits to Graduate: 124</p>	<p>Suggested Sequence for completing the program:</p> <p><i>Courses may not be offered every semester, consult the program advisor to complete a program of study.</i></p> <p>First Semester (12 credits)</p> <p>CNST 302 Contract Documents, Regulations & Specs 3</p> <p>CNST 361 Planning & Scheduling 3</p> <p>² CNST 440 LEED for New Construction & Major Ren 3</p> <p>² CM Restricted Elective 3</p> <p>Second Semester (12 credits)</p> <p>CNST 303 Electrical, Mech & Equipment Systems 3</p> <p>CNST 304 Construction Estimating & Bidding 3</p> <p>CNST 406W Construction Law (WI) 3</p> <p>CNST 412 Fund of Structural Design 3</p> <p>Third Semester (10 credits)</p> <p>^{1,2} CNST 385L4 Cooperative Education in CNST 1</p> <p>CNST 403 Production Control 3</p> <p>CNST 436 Heavy/Highway Construction Contracting 3</p> <p>CNST 450 Fundamentals of Construction Project Mgmt 3</p>
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¹ Satisfies EMU's Learning beyond the Classroom (LBC) requirement

² May be taken any semester

* A minimum of 124 credit hours is required to graduate. If sufficient credits are not transferred, additional courses must be completed at EMU to satisfy the 124 credit minimum to graduate.

Corrected: CNST 387L4 changed to CNST 385L4

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Additional Information:

1. In completing the coordinated program of study for this articulation agreement course substitutions should be made with the guidance of the advisors (indicated below) at both institutions to assure that all requirements are satisfied. Each institution will determine the satisfaction of their own program and degree requirements. MCCC courses indicated with an * are required for EMU's Construction Management Program.
2. Students with the MTA endorsement on their community college transcript have satisfied EMU's General Education Core Requirements and will be required to complete only the General Education Application Requirements of one Perspectives on a Diverse World course, one "Learning beyond the Classroom" experience, and a Writing Intensive course in the major. The Perspectives on a Diverse World requirement may be transferred to EMU.
To use the Michigan Transfer Agreement (MTA), students must have an official community college transcript, with the "MTA Satisfied" endorsement sent to EMU's Admissions Office. Students who do not have "MTA Satisfied" on their community college transcript, will be required to satisfy EMU's general education requirements as listed in the Undergraduate Catalog. The MTA may be completed after admission to EMU, however, students should inform advisors or they may be advised to complete additional courses for the general education program. Students who enrolled in college prior to September 2014 may follow the MACRAO agreement until August 31, 2019.
3. Only courses with a grade of "C" or better (2.0 on a 4.0 scale) will be accepted for transfer to EMU.
4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum 34 credit hours must be completed at the four-year college level, with at least 30 credit hours in courses offered by EMU. Of the last 30 hours completed before graduating, at least 10 hours must be in courses offered by EMU. A minimum of 124 credit hours, completed in-residence or accepted in transfer, is required for graduation. Courses listed in this guide may be completed at the most appropriate time for the student, whether before or after admission to EMU, as long as pre-requisites are satisfied.
5. Students must meet all admission requirements at the time of application for admission to EMU, including submitting transcripts from all previously attended colleges. MCCC students will receive equal consideration with other students for course registration and financial aid.
6. Students are encouraged to contact the Construction Management Program Coordinator before applying to EMU. To facilitate advising and the evaluation of transcripts, sign up for this articulation agreement using the link www.emich.edu/ccr/trackingsystem/Enter.php and bring a copy to all advising sessions.

Effective Dates: May 1, 2015 until April 30, 2018

This is a renewal of an agreement made in 1997 and renewed in October 2003, September 2007, and May 2011. Students who began this program prior to the new effective date have the option of changing to this guide or may follow the guide they started under for up to seven years. If this agreement is not renewed at the end of the effective period, students who already began the program at MCCC will have an additional three years to be admitted to EMU under the terms of the agreement.

Contacts:

Monroe County Community College
Construction Management Technology Program
Alex Babycz, Assistant Professor
Office: T-139; Phone: 734.384.4116
ababycz@monroeccc.edu

Eastern Michigan University
Jim Stein, Program Coordinator
Construction Management Program
206 Roosevelt Hall; Phone: 734.487.1940
james.stein@emich.edu