

# CONSTRUCTION MANAGEMENT ARTICULATION AGREEMENT GUIDE

Monroe County Community College – AAS in Construction Management Technology  
 Eastern Michigan University – BS 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. Courses listed below for the MTA will also satisfy program requirements at MCCC or EMU. Students who started college before fall semester 2014 may continue to follow the MACRAO Agreement until the end of the summer semester 2019. [MCCC courses approved for the MTA.](#)

<b>1. A course in English Composition</b>	
ENGL 151 English Composition I .....3	University Elective ..... 3
<b>2. A course in Communication</b>	
Choose from the approved MTA list .....3	University Elective ..... 3
<b>3. A course in Mathematics</b>	
*MATH 162 Introduction to Statistics .....3	STAT 170 Elementary Statistics ..... 3
<b>4. Two courses in Natural Sciences from different disciplines (one lab required)</b>	
*ESC 151 Earth Science .....4	ESSC 108 and 109 sub for <b>ESSC 110</b> ..... 4
*PHY 151 General Physics I .....4	PHY 221 Mechanics, Sound, and Heat ..... 4
<b>5. Two courses in Humanities and Fine Arts from different disciplines</b>	
Choose two from the approved MTA list.....6	University Elective ..... 6
<b>6. Two courses in Social Sciences from different disciplines</b>	
*ECON 251 Principles of Macroeconomics .....3	ECON 201 Principles of Macroeconomics ..... 3
POLSC 151 Introduction to Political Science .....3	University Elective ..... 3
<b>7. If needed, complete additional courses in any of the above categories to satisfy the 30 credit minimum for the MTA.</b>	

<sup>1</sup> **EMU's Perspectives on a Diverse World requirement:** Complete one course from the following list:

**These courses also satisfy an MTA area:** **Natural Science:** BIOL 156; **Humanities:** ENGL 240, 255, 266; HUMAN 256, 257; **Social Sciences:** ANTHR 152; GEOG 152; HIST 159, 173, 255, 256; POLSC 211, 252; SOC 153.

**These courses apply, but do not satisfy the MTA:** BMGT 220; IAS 105

### MCCC Program Requirements (47 credits)

<sup>2</sup> ACCT 151 Accounting Principles .....4	ACC 240 Principal of Accounting I (3)+1..... 4
*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
CONM 102 Construction Practices .....3	CNST 000 University Elective (or CNST 125)..... 3
*CONM 103 AutoCAD and 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	CNST 000 University Elective ..... 3
*CONM 202 Construction Safety .....3	CNST 213 Construction Safety ..... 3
CONM 240 Construction Planning & Scheduling w/Primavera .3	CNST 000 University Elective ..... 3
MDTC 160 Mechanical Drafting and CAD I.....4	PDD 122 University Elective ..... 4
Choose One: CONM 242 or ELEC 156 .....3	University Elective ..... 3

### EMU Requirements that May be Taken at MCCC or EMU (15 credits)

<sup>2</sup> BSLW 251 Business Law .....3	LAW 293 Legal Environment of Business ..... 3
*MATH 159 Trigonometry & Analytical Geometry .....3	MATH 107 Plane Trigonometry (2)+1 ..... 3
<sup>3</sup> General Business Minor Electives: Three courses from below.....9	General Business Minor Electives:..... 9
ACCT 152, BUSAD 151, BMGT 220, ENGL102, (BMGT 160 or CIS 130)	ACC 241, COB 200, IB 210, IS 215, MGMT 202 or any Course offered by COB not taken as a requirement.

**Credits at MCCC: ..... 92      Maximum Credits that apply to EMU degree..... 81**

<sup>\*</sup>Required course for EMU's Construction Management program. If not transferred, must be completed at EMU.  
<sup>1</sup> Satisfies EMU's Perspectives on a Diverse World Requirement. If not transferred, a Perspectives course must be completed at EMU.  
<sup>2</sup> Satisfies a requirement of the General Business minor for EMU's program. If not transferred, must be completed at EMU.  
<sup>3</sup> Satisfies an elective for the General Business minor for EMU's program. If not transferred, a General Business minor course must be completed at EMU.

**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](http://www.emich.edu/ccr/trackingssystem/Enter.php)

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**Completion of EMU's  
Construction Management Program****Major Requirements (37 credits)**

CNST 230	Construction Management Computer Apps	3
CNST 302	Contract Documents, Regulations & Specs	3
CNST 303	Electrical, Mech & Equipment Systems	3
CNST 304	Construction Estimating & Bidding	3
CNST 312	Statics and Strength of Materials	3
CNST 361	Planning & Scheduling	3
<sup>1</sup> CNST 385L4	Cooperative Education in CM (LBC Requirement)	1
CNST 403	Production Control	3
<sup>2</sup> CNST 406W	Construction Law (WI)	3
CNST 412	Fundamentals of Structural Design	3
CNST 436	Heavy/Highway Construction Means & Methods	3
CNST 440	LEED for New Construction & Major Reno	3
CNST 450	Fund of Construction Project Mgmt	3

**General Business Minor (6 credits)**

MKTG 360	Principles of Marketing	3
<sup>3</sup> MGMT 384	Human Resource Management	3

**Credits at EMU: 43****Transfer Credits: 81****<sup>4</sup>Credits to Graduate: 124**<sup>1</sup> Satisfies EMU's "Learning beyond the Classroom" requirement<sup>2</sup> Satisfies the Writing Intensive requirement<sup>3</sup> Requirement of the ACCE accrediting organization.<sup>4</sup> 124 credits are required to graduate.**NOTE:** Any EMU requirements not transferred, must be completed at EMU.***Sample sequence for completing program.***

PHY 221 (PHY 151 at MCCC) must be completed before enrolling in CNST 312. MATH 107 (MATH 159 at MCCC) must be completed before enrolling in CNST 412.

A "C-" or higher is required for all major courses taken at EMU.

**Semester 1 (12 credits)**

CNST 230	FW	3
CNST 302	FW prereq: LAW 293 & CNST 125	3
CNST 303	FW prereq: CNST 228	3
CNST 304	FW prereq: CNST 229	3

**Semester 2 (12 credits)**

CNST 312	FW prereq: CNST 202 & PHY 221	3
CNST 361	FW prereq: CNST 229	3
CNST 406W	FW prereq: CNST 302	3
MKTG 360	FWS admission to minor is required	3

**Semester 3 Summer (4 credits)**

CNST 385L4	FWS	1
MGMT 384:	FWS admission to minor is required	3

**Semester 4 (15 credits)**

CNST 403	FW prereq: CNST 304 & CNST 361	3
CNST 412	FW prereq: CNST 312, PHY 221 & MATH 107	3
CNST 436	FW prereq: CNST 202, 302 & CNST 304	3
CNST 440	FW prereq: Jr or Sr level	3
CNST 450	FW prereq: CNST 304 & CNST 361	3

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### Additional Information:

1. Each institution will determine the satisfaction of their individual program and degree requirements. Both institutions agree to accept transferrable courses from each other and from other regionally accredited institutions. MCCC courses indicated with an \* are required for EMU's Construction Management program. Substitutions for these courses must be approved by the EMU program coordinator.
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 applied to transfer students. The MTA may be completed after admission to EMU, however, students should inform their advisors or they may be advised to complete additional courses for the general education program. Students who enrolled in college prior to fall semester 2014 will have until the end of summer semester 2019 to complete the MACRAO agreement. If already on the transcript, the MACRAO designation will be accepted at EMU after August 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 of 30 credit hours must be completed at EMU, of which at least 9 hours in the major and 6 hours in the minor, are at the 300-level or above. Of the last 30 hours completed before graduating, at least 10 hours must be in courses completed at 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 opportune time for students, whether before or after admission to EMU, as long as appropriate pre-requisites are satisfied.
5. Students must satisfy 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 must earn a minimum grade of "C-" in each major course taken at EMU. A grade of "C" is required for courses to transfer to EMU.
7. Students are encouraged to contact the EMU 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](http://www.emich.edu/ccr/trackingsystem/Enter.php) and bring a copy to all advising sessions.

### Effective Dates: September 1, 2018 until August 31, 2021.

This is a renewal of an agreement made in September 1997 and renewed in 2003, 2007, 2011 and 2015. This agreement is consistent with the 2018-2019 catalog. Students have until summer 2026 to graduate from Eastern Michigan University following this agreement. In the event that a student does not complete the program within seven years, they may be required to have their credits reevaluated using the requirements of a more current articulation guide.

### Contacts:

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