

**ARCHIVED CONSTRUCTION MANAGEMENT ARTICULATION GUIDE**

Washtenaw Community College – AA in Construction Management

Eastern Michigan University – BS in Construction Management

**Washtenaw 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 WCC or EMU. [WCC courses approved for the MTA.](#)

**1. A course in English Composition**

ENGL 111 Composition I ..... 4      WRTG 121 Composition II (3)+1 ..... 4

**2. A course in Communication**

Choose from the approved MTA list ..... 3      University Elective ..... 3

**3. A course in Mathematics**

\*MTH 160 Basic Statistics ..... 4      STAT 170 Elementary Statistics ..... 4

**4. Two courses in Natural Sciences from different disciplines (one lab required)**

\*GLG 114 Physical Geology ..... 4      ESSC 110 Dynamic Earth Systems ..... 4

\*PHY 111 General Physics ..... 4      PHY 221 Mechanics, Sound, and Heat ..... 4

**5. Two courses in Humanities and Fine Arts from different disciplines**

Choose from the approved MTA list ..... 6      University Elective ..... 6

**6. Two courses in Social Sciences from different disciplines**

\*ECO 211 Principles of Economics I ..... 3      ECON 201 Principles of Macroeconomics ..... 3

Choose a second course from the approved MTA list ..... 3      University Elective ..... 3

**7. If needed, complete additional courses in any of the above categories to satisfy the 30 credit minimum for the MTA.**

<sup>1</sup> **EMU's Perspectives on a Diverse World requirement:** Complete one course from the following list: Courses on this list also satisfy an MTA area above: Humanities: ART 143,150; COM 225; DAN 180; DRA 180; ENG 181, 213, 214, 224, 242; HUM 150, 175, 221; MUS 180; Social Sci: ANT 201; ECO 280; GEO 101; HST 109, 123, 150, 210, 230, 235, 240, 270; PLS 211; PSY 107, 251, 270; SOC 205, 206, 216

**WCC Construction Management Program (30 credits)**<sup>2</sup> ACC 111 Principles of Accounting I ..... 3      ACC 240 Principles of Financial Accounting ..... 3<sup>2</sup> BMG 111 Business Law I ..... 3      LAW 293 Legal Environment of Business ..... 3<sup>3</sup> BMG 207 Business Communication ..... 3      MGMT 202 Business Communication ..... 3

BMG 240 Human Resource Management ..... 3      University Elective ..... 3

\*CMG 130 Construction Site Safety &amp; OSHA Regulations ..... 3      CNST 213 Construction Safety ..... 3

\*CMG 150 Intro to Construction Management ..... 3      CNST 125 Intro to Construction ..... 3

\*CMG 170 Construction Graphics ..... 3      CNST 228 Construction Graphics ..... 3

\*CMG 180 Application of Construction Materials ..... 3      CNST 212 Construction Materials ..... 3

\*CMG 200 Construction Systems ..... 3      CNST 201 Construction Systems ..... 3

\*MTH 178 General Trigonometry ..... 3      MATH 107 Plane Trigonometry (2)+1 ..... 3

**EMU Requirements that May be Taken at WCC or EMU (15 credits)**<sup>3</sup> General Business Minor Electives: Two courses from below ..... 6      General Business Minor Electives: ..... 6ACC 122, BMG 140, BMG 160, CIS 110 or BMG 265,  
ACC 241, COB 200, MKTG 261, IS 215, DS 265, or any COB  
course at EMU not taken as a requirement.

Open Electives (do not exceed 75 total credits at EMU) ..... 9      University Electives ..... 9

**Credits at WCC:..... 75****Credits that apply to EMU degree ..... 75**

\*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 on a Diverse World 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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Construction Management Program****Major Requirements (43 credits)**

CNST 206	Surveying .....	3
CNST 229	Analysis of Commercial Prints .....	3
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: ..... 49****Transfer Credits: ..... 75****Minimum 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.**NOTE:** Any EMU requirements not transferred, must be completed at EMU.**Sample sequence for completing program.**

MATH 107 (MTH 178 at WCC) must be completed before enrolling in CNST 206. PHY 221 (PHY 111 at WCC) must be completed before enrolling in CNST 312.

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

**Semester 1 (15 credits)**

CNST 206	F prereq: MATH 107 .....	3
CNST 229	FW prereq: CNST 228 .....	3
CNST 230	FW .....	3
CNST 302	FW prereq: LAW 293 & CNST 125.....	3
CNST 303	FW prereq: CNST 228 .....	3

**Semester 2 (15 credits)**

CNST 304	FW prereq: CNST 229 .....	3
CNST 312	FW prereq: CNST 212 & 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 436	FW prereq: CNST 212, 302 & CNST 304.....	3
CNST 440	FW prereq: Jr or Sr level.....	3
CNST 450	FW prereq: CNST 304 & CNST 361.....	3
CNST 412	FW prereq: CNST 312, PHY 221 & MATH 107 .....	3

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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. WCC 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 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 opportune time for student, 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. WCC 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.
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/trackingssystem/Enter.php](http://www.emich.edu/ccr/trackingssystem/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 2002 and renewed in 2007, 2010, 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 the current articulation guide

**Contacts:**

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