

CONSTRUCTION MANAGEMENT ARTICULATION AGREEMENT GUIDE

Oakland Community College – AAS in Management Development-Construction Management Option
 Eastern Michigan University – B.S. in Construction Management

Oakland 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. <u>Specific courses listed below for the MTA will also satisfy major or minor requirements at OCC and/or EMU.</u> Students who started before Fall 2014 may continue to follow the MACRAO Agreement until the end of summer 2019. MACRAO versions of articulation guides are posted online. For courses approved to satisfy the MTA go to the OCC website :	
1. A Course in English Composition ENG 1510 or ENG 15203 University Elective 3	
2. A Second Course in English Composition or Communication COM 1600 Fund of Speech or COM 1290 Interpersonal Comm ..3 University Elective 3	
3. A Course in Mathematics *MAT 1580 Statistics.....3 MATH 170 Elementary Statistics 3	
4. Two Courses in Natural Sciences from different disciplines (one lab required) *PHYS 1610 College Physics I.....4 PHY 221 Mechanics, Sound & Heat 4 *GSC1530 Introductory Geology.....4 ESSC 110 The Dynamic Earth System..... 4	
5. Two Courses in Humanities from different disciplines Choose from the approved MTA list3-4 University Elective 3-4 ¹ Complete one: ENG 1610, 2530, 2540; HIS 1520; MUS 1585.....3 Perspectives on a Diverse World Requirement..... 3	
6. Two Courses in Social Science from different disciplines *ECO 2610 Economics.....3 sub for ECON 100 or 200 (ECON 201)..... 3 POL 1510 American Government3 University Elective 3	
7. If needed, complete an additional course in any category above to satisfy the 30 credit minimum for the MTA.	
OCC Program Requirements (44 credits)	
*CMN 1100 Intro to Construction Management.....3	CNST 125 Introduction to Construction..... 3
*CMN 1200 Construction Building Systems & Materials3	CNST 201 Construction Systems..... 3
*CMN 1300 Construction Surveying3	CNST 206 Surveying..... 3
*CMN 1400 Construction Safety3	CNST 213 Construction Safety 3
*CMN 1500 Construction Drawings3	CNST 228 Construction Graphics 3
*CMN 1700 Quantitative Analysis of Construction Drawings3	CNST 229 Analysis of Commercial Prints..... 3
*CMN 2500 Construction Estimation and Bidding3	CNST 304 Construction Estimating & Bidding 3
² ACC 1810 Principles of Financial Accounting4	ACC 240 Principles of Accounting I (3)+1 4
² BUS 1100 Introduction to Business.....4	COB 200 Intro to Business (3)+1 4
² BUS 1310 Principles of Supervision.....3	Subs for MGMT 384 Human Resource Management 3
² ENG 2200 Professional Communication4	MGMT 202 Business Communication (3)+1..... 4
² BUS 2030 Business Law I3	LAW 293 Legal Environment of Business 3
³ CIS 1050 Personal Computer Productivity Tools.....4	IS 215 End-User Computing (CM Res Elective) (3)+1..... 4
Physical Education Elective1	University Elective 1
Four EMU courses on page two will transfer back to OCC as CMN 2100, 2300, 2400, and 2500 to complete the degree at OCC.	
EMU Requirements that May be Taken at OCC or EMU (15-16 credits)	
³ MAT 1560 Trigonometry.....3	MATH 107 Plane Trigonometry (2)+1 (CM Res Elective)..... 3
³ MAT 1540 College Algebra.....4	MATH 105 College Algebra (CM Rest Elective) 4
* Complete one course:4	One course (Science/Math Restricted Elective)..... 4
MAT 1730 Calculus I (4)	MATH 120 Calculus I (4)
CHE 1000 Introductory Chemistry (4)	CHEM 117&118 Fund of Chemistry (4)
Open Elective if needed to complete 89-90 credits at OCC4-5	University Electives 4-5
Maximum Credits at OCC:.....90	Maximum Credits that transfer to EMU..... 90

* Required course or prerequisite for EMU's Construction Management program.
¹ Satisfies EMU's Perspective on a Diverse World Requirement.
² Applies to the 15 hours of Business Major Requirements required for EMU's program.
³ Applies to the 12 hours of Construction Management Restricted Electives required for EMU's program.

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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 202 Construction Materials3</p> <p>CNST 302 Contract Documents, Regulations & Specs3</p> <p>CNST 303 Electrical, Mech & Equipment Systems3</p> <p>CNST 361 Planning & Scheduling3</p> <p>¹ CNST 387 Cooperative Education (LBC Requirement) 1</p> <p>CNST 403 Production Control3</p> <p>CNST 406W Construction Law (WI).....3</p> <p>CNST 412 Fundamentals of Structural Design.....3</p> <p>CNST 436 Heavy/Highway Construction Means & Methods3</p> <p>CNST 440 LEED for New Construction & Major Ren3</p> <p>CNST 450 Fund of Construction Project Mgmt.....3</p> <p>CM Restricted Electives (3 credits)</p> <p>Complete enough credits to bring CM elective hours to 12 and the total credits to graduate to 124.</p> <p style="padding-left: 20px;">CNST 426 Mechanical & Elect Const Applications (3)</p> <p style="padding-left: 20px;">CNST 427 Industrial Construction (2)</p> <p style="padding-left: 20px;">CNST 437 Environmt Construction Contracting (3)</p> <p style="padding-left: 20px;">CNST 438 Fund of Land Development (2)</p> <p style="padding-left: 20px;">CNST 446 Senior Seminar (1)</p> <p style="padding-left: 20px;">CNST 479 Special Topics (3)</p> <p style="padding-left: 20px;">CNST 497 Directed Study (1)</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>² 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>May take in any Semester (3 credits)</p> <p>CM Elective3</p> <p>First Semester (12 credits)</p> <p>CNST 202 Construction Materials3</p> <p>CNST 302 Contract Documents, Regulations & Specs3</p> <p>CNST 303 Electrical, Mech & Equipment Systems3</p> <p>CNST 361 Planning & Scheduling3</p> <p>Second Semester (9 credits)</p> <p>CNST 406W Construction Law (WI)3</p> <p>CNST 412 Fundamentals of Structural Design3</p> <p>³ CNST 440 LEED for New Const. & Maj. Renovations3</p> <p>Third Semester (10 credits)</p> <p>¹ CNST 387 Cooperative Education (LBC Requirement) 1</p> <p>CNST 403 Production Control3</p> <p>CNST 436 Heavy/Highway Construction Means & Methods3</p> <p>CNST 450 Fund of Construction Project Mgmt3</p>
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*Transfer this course back to OCC for the Associate Degree in Management Development-Construction Management (MGT.CMN.AASX) or Construction Management Professional (MGT.CMP.AAS).

¹ Satisfies EMU’s “Learning beyond the Classroom” requirement (LBC) and may be taken in any semester

² A minimum of 124 credit hours is required to graduate. If sufficient credits are not transferred, additional credits must be completed at EMU to satisfy the 124 credit minimum.

³ May be taken any semester

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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 individual program and degree requirements. OCC courses indicated with an * are required for EMU's Construction Management Program.
2. Students whose transcripts have the "MTA Satisfied" endorsement have satisfied EMU's General Education Core Requirements and will only be required to complete the General Education Application requirements of one "Perspectives on a Diverse World" course, one "Learning Beyond the Classroom" (LBC) area, and a writing intensive course in the major. The Perspectives on a Diverse World course may be transferred to EMU.

Students must request that an official community college transcript, with "MTA Satisfied", be sent to EMU's Admissions Office. Students, who do not have this on their community college transcript, will be required to satisfy EMU's general education requirements as listed in the Undergraduate Catalog. MTA requirements may be completed after admission to EMU, however, students should inform advisors at EMU that they intend to complete the MTA 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 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 in courses offered by EMU, with 15 hours in program requirements, 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 students, whether before or after admission to EMU, as long as appropriate 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. OCC students will receive equal consideration with other students for course registration and financial aid.
6. 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 and bring a copy to all advising sessions.

Effective Dates: September 1, 2010 extended through August 31, 2015.

This is a renewal of an agreement made in September 1998 and renewed in 2002, 2007, and 2010, and extended for one year in September 2013 and again in September 2014. Students 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 OCC will have an additional three years to be admitted to EMU under the terms of the agreement.

Contacts:

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