

**ARCHIVED CONSTRUCTION MANAGEMENT ARTICULATION GUIDE**

Lansing Community College AAS in Construction Management  
 Eastern Michigan University – B.S. in Construction Management

<b>Lansing Community College Courses:</b>	<b>Transfer to Eastern Michigan University as:</b>
<b>Michigan Transfer Agreement (MTA) Requirements (30-31 credits)</b>	
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>Courses listed below for the MTA will also satisfy requirements of the program at LCC and/or EMU.</u> Students who started before Fall 2014 may continue to follow the MACRAO Agreement until the end of August 2019. Go to the LCC website for courses approved to satisfy the MTA <a href="http://www.lcc.edu/transfer/mta.aspx">http://www.lcc.edu/transfer/mta.aspx</a> .	
<b>1. A Course in English Composition</b> Choose from the approved MTA list.....4	University Elective.....4
<b>2. A Course in English Composition or Communication</b> SPCH 130 Fund of Public Speaking (required at LCC).....3	University Elective.....3
<b>3. A Course in Mathematics</b> *STAT 215 Intro to Prob. & Statistics.....4	MATH 170 Elementary Statistics (3)+1.....4
<b>4. Two Natural Science courses from different disciplines:</b> *PHYS 221 Introductory Physics I.....4 *GEOL 221 Physical Geology.....4	PHY 221 Mechanics, Sound and Heat.....4 ESSC 110 The Dynamic Earth System.....4
<b>5. Two Humanities courses from different disciplines</b> Choose from the approved MTA list.....6	University Electives.....6
<b>6. Two Social Science courses from different disciplines</b> *ECON 120, 201, 202, 213, or 260.....3-4 Choose from the approved MTA list.....3	subs for <b>ECON 100 or 200</b> .....3-4 University Elective.....3
<b>7. If needed, complete an additional course from the above categories to meet the 30 credit minimum for the MTA</b>	
<b>LCC Construction Management Program Requirements (51 credits)</b>	
*1ACCG 101 Accounting for Management.....3	sub for <b>ACC 240 Princ of Accounting I</b> .....3
*ARCH 113 Materials and Methods of Construction.....3	CNST 201 Construction Systems.....3
ARCH 125 Environmental Systems.....4	University Elective.....4
<sup>2</sup> ARCH 233 Revit Architecture BIM.....4	CM Restricted Elective.....4
<sup>2</sup> ARCH 275 Sustainable Building Design.....4	CM Restricted Elective.....4
CIVL 241 Statics/Strength of Materials.....4	University Elective.....4
*DCTM 200 Construction Management I (4) and	CNST 125 Introduction to Construction (3) and
*DCTM 201 Construction Management II (4).....8	CNST 229 Analysis of Commercial Prints (3)+2.....8
*DCTM/HVAC 102 Industrial/Construction Safety.....2	CNST 213 Construction Safety (3)-1.....2
*1LEGL 215 Business Law I: Basic Principles.....3	LAW 293 Legal Environment of Business.....3
<sup>1,3</sup> MGMT 234 Diversity in the Workplace.....3	GEUS Perspectives on a Diverse World Requirement.....3
*1WRIT 127 Business Writing (sub for WRIT 124).....3	MGMT 202 Business Communication.....3
<b>Focus Area: Heavy/Civil Construction</b>	
*CIVL 101 Civil Drafting (subs for CIVL 135 or CIVL 141).....3	CNST 228 Construction Drawing.....3
*CIVL 120 Surveying.....4	CNST 206 Surveying (3)+1.....4
*DCTM 150 Civil Construction Materials.....3	CNST 202 Construction Materials.....3
<b>EMU Requirements/Electives That May be Taken at LCC or EMU (12-15 credits)</b>	
*1 MGMT 224 Human Resource Management.....3	subs for <b>MGMT 384</b> Human Resource Mgmt.....3
<sup>2</sup> Complete one math option:.....5-8	CM Restricted Electives.....5-8
MATH 121 and MATH 122 Precalculus I & II (8)	MATH 105 Coll Algebra (3) & MATH 107 Trig (2)+3
MATH 126 Honors Precalculus (5)	MATH 105 Coll Algebra (3) & MATH 107 Trig (2)
* Complete one course:.....4	CM Restricted Elective.....4
MATH 151 Calculus I (4) or	MATH 120 Calculus I (4) or
CHEM 125 Basic Chem (4)	CHEM 117/118 Fund of Chem (4)
<b>Credits at LCC:.....93</b>	<b>Credits that Apply to EMU Program..... 90</b>

\* Required course or prerequisite in EMU’s Construction Management program.  
<sup>1</sup> Counts toward the 15 hours of Business Requirements for EMU’s program.  
<sup>2</sup> Counts toward the 12 hours of Construction Management Restricted Electives required for EMU’s program.  
<sup>3</sup> Satisfies EMU’s Perspectives on a Diverse World Requirement.

**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.

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**Completion of EMU’s Construction Management Program**

**Major Requirements (34 credits)**

**Required Courses (31 credits)**

CNST 302	Contract Documents, Regulations & Specs .....	3
CNST 303	Electrical, Mechanical, & Equipment Systems ..	3
CNST 304	Construction Estimating & Bidding .....	3
CNST 361	Planning & Scheduling .....	3
<sup>1</sup> CNST 385L	Cooperative Education (LBC Requirement) .....	1
CNST 403	Production Control .....	3
CNST 406W	Construction Law (Writing Intensive) .....	3
CNST 412	Fundamentals of Structural Design .....	3
CNST 436	Heavy/Highway Construction Means/Methods..	3
CNST 440	LEED for New Construction & Major Ren .....	3
CNST 450	Fund of Construction Project Mgmt.....	3

**CM Restricted Elective (3 credits)**

Complete three credits from below:

- CNST 426 Mechanical & Elect Const Applications (3)
- CNST 427 Industrial Construction (3)
- CNST 437 Environmental Construction Contracting (3)
- CNST 438 Fund of Land Development (3)
- CNST 479 Special Topics (3)
- CNST 497 Directed Study in CM Techniques (3)
- Other EMU CNST course by approval of CM advisor

**Credits at EMU:.....34**

**Transfer Credits.....90**

**\*Total Credits: .....124**

*\*If sufficient credits are not transferred, additional credits must be completed at EMU to satisfy the 124 credit minimum to graduate.*

<sup>1</sup> *Satisfies EMU’s Learning beyond the Classroom (LBC) requirement and may be taken any semester.*

**Suggested Sequence for completing the program:**

*Courses may not be offered every semester, consult the program advisor to complete a program of study.*

Note: MATH 107 (MATH 122 or 126 at LCC) must be successfully completed before taking CNST 412

**First Semester (12 credits)**

CNST 302	Contract Documents, Regulations & Specs .....	3
CNST 303	Electrical, Mechanical, & Equipment Systems ..	3
<sup>2</sup> CNST 440	LEED for New Construction & Major Ren .....	3
CNST 412	Fundamentals of Structural Design .....	3

**Second Semester (12 credits)**

CNST 304	Construction Estimating & Bidding .....	3
CNST 361	Planning & Scheduling .....	3
CNST 406W	Construction Law (WI) .....	3
<sup>2</sup> CM Restricted Elective	.....	3

**Third Semester (10 credits)**

<sup>2</sup> CNST 385L	Cooperative Education in (LBC) .....	1
CNST 403	Production Control.....	3
CNST 436	Heavy/Highway Construction Contracting .....	3
CNST 450	Fundamentals of Construction Project Mgmt ....	3

<sup>2</sup> *May be taken in 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 requirements are satisfied at each institution. Each institution will determine the satisfaction of their individual program and degree requirements. LCC courses indicated with an \* are required for EMU's Construction Management program.
2. Students whose transcripts have the "MTA Satisfied" endorsement have satisfied the General Education Core Requirement 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 from the community college.  
*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 have until August 2019 to have their transcripts evaluated for MACRAO at the community college.*
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 34 credit hours must be completed at the four-year college level, with at least 30 credits at 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 students, 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. LCC 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 early, before applying to EMU. To facilitate advising and the evaluation of transcripts, sign up for this articulation agreement using the link <https://www.emich.edu/ccr/articulation-agreements/signup.php> and bring a copy to all advising sessions.

**Effective Dates: September 1, 2013 through August 31, 2016.**

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. If this agreement is not renewed at the end of the effective period, students who already began the program at LCC will have an additional three years to be admitted to EMU under the terms of the agreement.

**Contacts:**

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