

ARTICULATION AGREEMENT RENEWAL BETWEEN
Lansing Community College
AAS in Construction Management (Heavy/Civil Subspecialty) or
Construction Management Certificate
and
Eastern Michigan University
BS in Construction Management

Article I
Agreement on Principle

Eastern Michigan University (EMU) and Lansing Community College (LCC) agree that students who choose to begin their studies at a community college and transfer to a university to earn a bachelor's degree should be provided with a smooth curriculum transition that minimizes loss of credit and duplication of coursework. Therefore, EMU and LCC agree to enter into this articulation agreement to facilitate the completion of the AAS in Construction Management at LCC and the BS in Construction Management at EMU. Both parties enter into this agreement as cooperating, equal partners who shall maintain the integrity of their separate programs.

Article II
Agreement on Program Specifics

EMU and LCC agree that interested students may transfer the course credits indicated on the attached articulation guide toward a BS in Construction Management at EMU. 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, of which 15 hours must be in major/program requirements at the 300-level or above. A minimum of 120 total credits is required to graduate.

To use this agreement students must apply and be admitted to EMU. LCC students will receive equal consideration with other students seeking admission and financial aid.

The Michigan Transfer Agreement (MTA) requirements may be completed at the most appropriate time for the student whether before or after admission to EMU. If already on the transcript, the MACRAO designation will be accepted at EMU after summer semester 2019. Students who have not satisfied the MTA or MACRAO agreement must complete EMU's General Education Requirements as applied to transfer students. All other EMU graduation and program requirements must be satisfied whether by transferred courses, EMU courses, or approved substitutions or waivers.

For the purpose of this articulation agreement, both LCC and EMU agree to accept transferable courses from each other and from other regionally accredited institutions. Articulation guides will be provided to assist students in completing the articulated program of study. Each institution will determine the satisfaction of their individual program and degree requirements. LCC courses indicated with an * on the articulation guide are required for EMU's program. Any substitutions for these courses must be approved by the EMU program coordinator if not already stated in the agreement. In the case of a student who has accumulated credits before declaring this program, every effort will be made to maximize the use of credits already completed. All students using this agreement will be encouraged to complete an associate degree, although it is not required. Students will be informed of reverse transfer opportunities. Disputes regarding the transfer of courses may be appealed to the EMU Provost by contacting the Office of Community College Relations 734.487.6577.

Article III
Agreement on Communication

EMU and LCC agree to cooperate in communicating with each other and with their common and respective publics concerning the established relationship between the two institutions. Communication may include the development of various kinds of publications to inform those who might benefit personally or professionally from the opportunities provided by this agreement. Faculty and staff at both institutions will share the information in this agreement with interested and qualified students and both institutions will provide counseling and advising to students and prospective students. EMU will provide transfer student performance data to LCC officials annually through the Community College Transfer Student Report.

Article IV
Indemnification

To the extent permitted by Michigan law, LCC and EMU agree to indemnify and hold one another harmless from any and all claims initiated by student participants, their parents, survivors, or agents, arising from any negligent acts or omission on the part of either institution or any of their employees.

Article V
Maintenance and Review Procedures

At least one administrative or faculty member from each institution will be appointed to act as agents for the implementation of this agreement, to speak for the institutions and to communicate changes to respective faculty members, advisors, counselors, and others to whom the information is pertinent. Responsibility for oversight of this agreement rests with the Director of Academic Quality at LCC and the School Director of Visual and Built Environments at EMU. Both parties agree to communicate annually any changes in their respective programs that may affect this articulation agreement.

Effective Date: September 1, 2022 until August 31, 2025.

This is a renewal of an agreement made in September 2013 and renewed in September 2018. This agreement is consistent with the 2022-2023 catalog. Students have until summer 2030 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.

**ARTICULATION AGREEMENT BETWEEN
Lansing Community College - AAS in Construction Management (Heavy/Civil Subspecialty)
Eastern Michigan University- BS in Construction Management**

Lansing Community College and Eastern Michigan University agree to the terms of this agreement, which will be in effect from September 1, 2022 until August 31, 2025.

Signatures

Lansing Community College

Eastern Michigan University

CONSTRUCTION ARTICULATION AGREEMENT GUIDE

Lansing Community College – AAS in Construction Management (Heavy/Civil Subspecialty)
 Eastern Michigan University – BS in Construction Management with General Business Minor

Lansing Community College Courses:	Eastern Michigan University Courses:
LCC Construction Management Program Requirements (67 credits)	
*ACCG 210 Prin of Financial Accounting (in place of 101) 4	ACC 240 Principles of Financial Accounting (3)+1..... 4
*ARCH 113 Materials & Methods of Construction..... 4	CNST 201 Construction Systems (3)+1 4
ARCH 125 Environmental Systems 4	CNST 000 General Transfer Credit..... 4
CIVL 241 Statics and Strength of Materials..... 4	MET 000 General Transfer Credit..... 4
*COMM 130 Fund of Public Speaking (Applies to the MTA) 3	COMM 124 Fund of Speech Communication (GEEC)..... 3
DCTM 100 Introduction to the Built Environment..... 3	CNST 000 General Transfer Credit..... 3
*DCTM 102 Industrial/Construction Safety..... 2	CNST 213 Construction Safety (3)-1..... 2
DCTM 103 Codes and Specifications..... 3	CNST 000 General Transfer Credit..... 3
*DCTM 200 Construction Management I..... 4	CNST 125 Introduction to Construction (3)+1 4
*DCTM 201 Construction Management II..... 4	CNST 229 Analysis of Commercial Prints (3)+1..... 4
*DCTM 220 BIM for Construction..... 4	CNST 228 Construction Graphics (3)+1 4
ENGL 121 Composition I (Applies to the MTA)..... 4	WRTG 120 General Transfer Credit..... 4
*STAT 170 Intro to Statistics (in place of MATH 115 or 120) .. 4	STAT 170 Elementary Statistics (3)+1 (GEQR)..... 4
*LEGL 215 Business Law – Basic Principles 3	LAW 293 Legal Environment of Business (minor)..... 3
*MGMT 234 Diversity in the Workplace..... 3	MGMT GEGA (GEGA and MGMT 000 minor requirement) .. 3
*PHYS 221 Introductory Physics I (Applies to the MTA)..... 4	PHY 221 Mechanics, Sound & Heat (GEKN)..... 4
Heavy/Civil Construction Subspecialty	
*CIVL 120 Surveying..... 4	CNST 206 Surveying (3)+1 4
CIVL 135 Soils Technology 3	CIVE 000 General Transfer Credit..... 3
CIVL 141 Site Inspection 3	CNST 000 General Transfer Credit..... 3
EMU Requirements and Electives that may be Taken at LCC or EMU (29 credits)	
Michigan Transfer Agreement (MTA)	
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. For LCC approved MTA courses go to LCC's website. <u>Students without an MTA or MACRAO endorsement must complete EMU's general education program.</u>	
Completion of the MTA	
*One from: ECON 201 or ECON 202 4	ECON 202 or ECON 201 (3)+1 (GEKS)..... 4
*One from the following to apply to the MTA for Social Sciences (Recommend: ANTH 270, GEOG 120; POLS 201, 270)..... 3	General Education Social Science (GEKS)..... 3
*Two from different disciplines to apply to the MTA for Arts/Humanities (Recommend: MUSC 199, PHIL 101) 6	General Education Arts (GEKA) and Humanities (GEKH)..... 6
*GEOL 221 Physical Geology (applies to the MTA science) 4	ESSC 110 The Dynamic Earth System (GEKN)..... 4
Additional major/minor requirements	
* DCTM 150 Civil Construction Materials 3	CNST 212 Construction Materials 3
* MATH 141 Calculus with Applications 3	MATH 119 Applied Calculus <u>sub for MATH 107</u> 3
*General Business Minor Electives: Choose two courses: 6	General Business Minor Electives:..... 6
ACCG 211, BUSN 118, BUSN 201, CITF 110, ENGL 127	ACC 241, COB 200, IB 210, IS 215, MGMT 202
Credits at LCC:.....96	Credits that transfer to EMU..... 96

*Required for EMU's BS in Construction Management program. If not transferred, 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.

CONSTRUCTION ARTICULATION AGREEMENT GUIDE

Lansing Community College – AAS in Construction Management (Heavy/Civil Subspecialty)
 Eastern Michigan University – BS in Construction Management with General Business Minor

Completion of the BS in Construction Management

Total Requirements (43 credits)

Construction Core (37 credits)

CNST 230	Construction Management Computer Apps.....	3
CNST 302	Contract Documents, Regs, Specifications	3
CNST 303	Electrical, Mechanical, Equipment Systems....	3
CNST 304	Construction Estimating and Bidding.....	3
CNST 312	Statics and Strengths of Materials	3
CNST 361	Planning and Scheduling.....	3
CNST 385L4	Cooperative Education	1
CNST 403	Production Control.....	3
CNST 406W	Construction Law.....	3
CNST 412	Structural Systems	3
CNST 436	Heavy/Highway Construction Means.....	3
CNST 440	LEED for New Construction.....	3
CNST 450	Fundamentals of Construction Management...3	

General Business Minor (6 credits)

MKTG 360	Principles of Marketing.....	3
MGMT 384	Human Resource Management.....	3

MGMT 384 is a requirement of the ACCE accrediting organization

LBC Requirement

Students must complete one Learning Beyond the Classroom course or noncredit experience offered by EMU. Consult your advisor for options. CNST 385L4 will fulfill this requirement.

Credits at EMU:	43
Transfer Credits:	97
Total Credits:	140

Sample sequence for completing program.

PHY 221 (PHYS 221 at LCC) must be completed before enrolling in CNST 312. MATH 107 (MATH 122 at LCC) must be completed before enrolling in CNST 412.

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

Semester 1 (12 credits)

CNST 230	FW	3
CNST 303	FW prereq: CNST 228.....	3
CNST 304	FW prereq: CNST 229.....	3
MKTG 360	FWS admission to minor is required.....	3

Semester 2 (12 credits)

CNST 302	FW prereq: LAW 293 & CNST 125.....	3
CNST 312	FW prereq: CNST 212 & PHY 221	3
CNST 361	FW prereq: CNST 229.....	3
CNST 406W	FW prereq: CNST 302	3

Semester 3 (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

Note: If CNST 385L4 is waived, students will be held to completion of 42 credits at EMU, rather than 43. Students must still complete the LBC requirement

CONSTRUCTION ARTICULATION AGREEMENT GUIDE

Lansing Community College – Certificate in Construction Management

Eastern Michigan University – BS in Construction Management with General Business Minor

Lansing Community College Courses:

Eastern Michigan University Courses:

LCC CA in Construction Management Requirements (38 credits)

*ACCG 210 Prin of Fin Accounting (in place of ACCG 101) 4	ACC 240 Principles of Financial Accounting (3)+1 (minor) 4
*ARCH 113 Materials & Methods of Construction..... 4	CNST 201 Construction Systems (3)+1 4
DCTM 100 Introduction to the Built Environment..... 3	CNST 000 General Transfer Credit..... 3
*DCTM 102 Industrial/Construction Safety..... 2	CNST 213 Construction Safety (3)-1..... 2
*DCTM 200 Construction Management I..... 4	CNST 125 Introduction to Construction (3)+1 4
*DCTM 201 Construction Management II..... 4	CNST 229 Analysis of Commercial Prints (3)+1..... 4
*DCTM 220 BIM for Construction 4	CNST 228 Construction Graphics (3)+1..... 4
*MGMT 234 Diversity in the Workplace 3	MGMT GEGA (GEGA and Gen Business Minor) 3
Heavy/Civil Construction Subspecialty (other specialties can use this agreement, but should take CIVL 120)	
*CIVL 120 Surveying..... 4	CNST 206 Surveying (3)+1 4
CIVL 135 Soils Technology 3	CIVE 000 General Transfer Credit 3
CIVL 141 Site Inspection 3	CNST 000 General Transfer Credit..... 3

EMU Requirements and Electives that may be Taken at LCC or EMU (46 credits)

Michigan Transfer Agreement (MTA) (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 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. For LCC approved MTA courses go to the community college's website. Students without an MTA or MACRAO endorsement must complete EMU's general education program.

1. A course in English Composition	
Choose from the approved MTA list..... 3	General Transfer Credit..... 3
2. A course in English Composition or Communication	
* Choose from the approved MTA list 3	General Transfer Credit..... 3
3. A course in Mathematics	
* STAT 170 Introduction to Statistics 4	STAT 170 Elementary Statistics (3)+1 (GEQR)..... 4
4. Two courses in Natural Sciences from different disciplines (one lab required)	
* PHYS 221 Introductory Physics I 4	PHY 221 Mechanics, Sound & Heat (GEKN) 4
* GEOL 221 Physical Geology 4	ESSC 110 The Dynamic Earth System (GEKN)..... 4
5. Two courses in Humanities and Fine Arts from different disciplines	
Choose two from the approved MTA list 6	General Transfer Credit..... 6
6. Two courses in Social Sciences from different disciplines	
* One from: ECON 201 or ECON 202 4	ECON 202 or ECON 201 (3)+1 (GEKS – Gen Ed)..... 4
Choose one from the approved MTA list..... 3	General Transfer Credit 3
*DCTM 150 Civil Construction Materials 3	CNST 212 Construction Materials 3
*LEGL 215 Business Law – Basic Principles 3	LAW 293 Legal Environment of Business (minor)..... 3
* MATH 141 Calculus with Applications 3	MATH 119 Applied Calculus <u>sub for MATH 107</u> 3
*General Business Minor Electives: Choose two courses: 6	General Business Minor Electives: 6
ACCG 211, BUSN 118, BUSN 201, CITF 110, ENGL 127	ACC 241, COB 200, IB 210, IS 215, MGMT 202
Credits at LCC:..... 84	Credits that transfer to EMU..... 84

*Required for EMU's BS in Construction Management program. If not transferred, 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.

CONSTRUCTION ARTICULATION AGREEMENT GUIDE

Lansing Community College – Certificate in Construction Management
 Eastern Michigan University – BS in Construction Management

Completion of the BS in Construction Management

Total Requirements (43 credits)

Construction Core (37 credits)

CNST 230	Construction Management Computer Apps.....	3
CNST 302	Contract Docs, Regulations, Specifications.....	3
CNST 303	Electrical, Mechanical, Equipment Systems.....	3
CNST 304	Construction Estimating and Bidding.....	3
CNST 312	Statics and Strengths of Materials.....	3
CNST 361	Planning and Scheduling.....	3
CNST 385L4	Cooperative Education.....	1
CNST 403	Production Control.....	3
CNST 408W	Construction Law.....	3
CNST 412	Structural Systems.....	3
CNST 436	Heavy/Highway Construction Means.....	3
CNST 440	LEED for New Construction.....	3
CNST 450	Fundamentals of Construction Management....	3

General Business Minor (6 credits)

MKTG 360	Principles of Marketing.....	3
MGMT 384	Human Resource Management.....	3

MGMT 384 is a requirement of the ACCE accrediting organization

LBC Requirement

Students must complete one Learning Beyond the Classroom course or noncredit experience offered by EMU. Consult your advisor for options. CNST 385L4 will fulfill this requirement.

Credits at EMU:	43
Transfer Credits:	84
Total Credits:	127

Sample sequence for completing program.

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

Semester 1 (12 credits)

CNST 230	FW.....	3
CNST 303	FW prereq: CNST 228.....	3
CNST 304	FW prereq: CNST 229.....	3
MKTG 360	FWS admission to minor is required.....	3

Semester 2 (12 credits)

CNST 302	FW prereq: LAW 293 & CNST 125.....	3
CNST 312	FW prereq: CNST 212 & PHY 221.....	3
CNST 361	FW prereq: CNST 229.....	3
CNST 408W	FW prereq: CNST 302.....	3

Semester 3 (4 credits)

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

Semester 4 (16 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

Note If CNST 385L4 is waived, students will be held to completion of 42 credits at EMU, rather than 43. Students must still complete the LBC requirement.

CONSTRUCTION MANAGEMENT ARTICULATION AGREEMENT GUIDE
Lansing Community College – AAS in Construction Management
Eastern Michigan University – BS in Construction Management

Additional Information:

1. Each institution will determine the satisfaction of their individual program and degree requirements. Both institutions agree to accept transferable courses from each other and from other regionally accredited institutions. LCC courses indicated with an * are required for EMU's BS in Construction Management. 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. 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 either institution.
4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 30 credit hours must be completed in EMU courses, with at least 15 hours in the program at the 300-level or above. Of the last 30 hours completed before graduating, a minimum of 10 credit hours must be in courses offered by EMU. A minimum of 120 credit hours, completed in-residence or accepted in transfer, is required for graduation.
5. Students must satisfy 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 EMU's BS in Construction Management advising center before applying to EMU. To facilitate advising and the evaluation of transcripts, [sign up for this articulation agreement](#) and bring a copy of this articulation guide to all advising sessions.

Effective Date: September 1, 2022 until August 31, 2025.

This is a renewal of an agreement made in September 2013 and renewed in September 2018. This agreement is consistent with the 2022-2023 catalog. Students have until summer 2030 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:

Lansing Community College

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