



**Individual Program Transfer Articulation Agreement**  
**Between the Maine Community College System acting by and through**  
**Eastern Maine Community College**  
**And the University of Maine System acting by and through**  
**The University of Maine**  
**For Transfer From**  
**Associate in Applied Science in Civil Engineering Technology (CET)**  
**To**  
**Bachelor of Science in Construction Engineering Technology**

This Transfer Articulation Agreement is governed by the general Transfer Articulation Agreement Memorandum of Understanding between Eastern Maine Community College (EMCC) and the University of Maine (UMaine). Current students and graduates who have been enrolled in or earned the identified degree from EMCC and are admissible to the University shall be eligible for credit evaluation under the terms of this agreement.

Admissions requirements: Successful Completion of the Associate in Applied Science in Civil Engineering Technology and a complete application for admission.

**Side by Side Course Equivalency Table as of August 1 2017**

Identifies how courses in the Associate in Applied Science in Civil Engineering Technology at EMCC transfer to the Bachelor of Science in Construction Engineering Technology at UMaine when the required grade is earned in each course, minimum C- (C for English Composition).

EMCC Program courses by semester

UMaine transfer credit awarded\*

EMCC Program courses by semester	UMaine transfer credit awarded*
<u>Semester 1</u> CET 100 Introduction to Civil Engineering 1 CET 110 Materials 3 CET 111 Materials Laboratory 1 General Education Courses: ENG 101 College Composition 3 MAT 123 College Algebra & Trigonometry 4 OR MAT 217 Pre-Calculus 3 PHY 121 Physics I 3 PHY 122 Physics Laboratory 1} <div style="text-align: right;">Total 15 or 16 credits</div>	CET 100 Intro to CET 1 CIE 110 Materials 3 CIE Materials Lab 1  ENG 101 College composition 3 (@) MAT 100X Math Elective 4 (@) OR MAT 122 Pre-Calculus 3 @ PHY 107 Technical Physics 1 4 (@) Please note: only 12 or 13 credits apply to the BS CET <div style="text-align: right;">Total 15 or 16</div>

EMCC and UMaine

	credits
<u>Semester 2</u> CET 101 Plane Surveying 3 CET 121 Civil CADD 3 CET 124 Construction Estimating 3 General Education Courses Credits: MAT 217 Pre-Calculus 3 @ OR MAT 225 Calculus I 4 @ PHY 123 Physics II 3 PHY 124 Physics II Laboratory 1} <p style="text-align: right;">Total 16 or 17 credits</p>	CET 101 Plane Surveying 3 SVT 121 Auto CAD for Surveyors 3 CET 228 Introduction to Construction Est. & Plan 3  MAT 122 Pre-Calculus 3 (@) OR MAT 126 Calculus I 4 @ PHY 108 Technical Physics II 4 (@)  <p style="text-align: right;">Total 16 or 17 credits</p>
<u>Summer or 4<sup>th</sup> semester</u> CET 201 Cooperative Education for Civil Engineering Technology (or CET 221) 3  <p style="text-align: right;">Total 3 credits</p>	CET 200X Civil Engineering Technology elective 3 – Counts as a Technical Elective requirement in the UMaine BS CET program.  <p style="text-align: right;">Total 3 credits</p>
<u>Semester 3</u> CET 211 Statics and Strength of Materials 4 CET 214 Soils Mechanics 4 General Education Courses Credits: MAT 225 Calculus I 4 OR MAT 226 Calculus II 4 SPE 101 Oral Communications 3  <p style="text-align: right;">Total 15 credits</p>	CET 413 Statics and Strength of Materials 4 CET 326 Soil Mechanics and Foundations 3 and CET 327 Soil Mechanics and Foundations lab 1 MAT 126 Calculus 1 4 (for TME 152) OR MAT 127 Calculus II 4 (for TME 253) CMJ 103 Fundamentals of Public Communications 3  <p style="text-align: right;">Total 15 credits</p>
<u>Semester 4</u> CET 202 Construction Surveying 3 CET 212 Structural Design 4 CET 221 3D Civil CADD 3 General Education Courses Credits: ENG 215 Business and Technical Writing 3 Humanities or Social Science 100 level or higher 3 PHI 101 Ethics 3 recommended @@  <p style="text-align: right;">Total 16</p>	CET 202 Construction Surveying 3 CET 414 Structural Design 4 CET 200X Civil Engineering Elective 3 - Counts as a Technical Elective requirement for UMaine BS CET ENG 317 Business and Technical Writing 3 (@) PHI 100X Philosophy elective 3 @@  <p style="text-align: right;">Total 16 credits</p>
credits	

\*A minimum grade of C- (or C for English Composition) is required for transfer credit to be awarded.  
 @ satisfies a UMaine General Education Requirement

**Special Notes** Courses taken at EMCC in which the student did not earn the required grade to satisfy either transfer credit or degree requirements would need to be retaken at either UMaine or EMCC in order to earn the grade needed to count toward the degree at UMaine. Once enrolled at UMaine, the

student would need to seek permission from his or her advisor and complete a domestic study away form to alert Student Records of their plans to take any courses at EMCC.

**Suggested course sequence for the last 4 semesters at UMaine as of August 1 2017** for those who have earned their associate degree in EMCC's Associate of Applied Science in Civil Engineering Technology- courses may vary for students who transfer before earning their associate's degree.

<p><b>Semester 5</b>          BUA 201 Principles of Accounting 1 3          CET 356 Construction Project Administration 3          CET 451 Construction Law 3          STS 232 Principles of Statistical Inference 3  <i>Human Values and Social Context Elective 1* 3 #</i>          Total credits 15</p>	<p><b>Semester 6</b>          CET 221 Construction Methods 3          CET 224 Construction Safety 3          CET 332 Civil Infrastructure 3          CET 360 Preconstruction Services 3          CMJ 257 Business &amp; Professional Communication 3          Total credits          15</p>
<p><b>Semester 7</b>          CET 458 Management of Construction 3          CET 462 Construction Planning &amp; Scheduling 3          CET 412 Sust Pop &amp; Environmental Design &amp; Construction 3 @          ECO 120 or ECO 121 Principles of Micro or Macroeconomics 3 (@)  <i>Construction Elective * 3</i>          Total credits          15</p>	<p><b>Semester 8</b>          MET 484 Engineering Economics 3  <i>Human Values and Social Context Elective 2* 3 (@)</i>          TME 253 Applied Calculus for Engineering Technology 4 #  <i>Construction Elective 3</i>          Total credits          13</p>

\*General Education Requirement Electives do not have to be taken in the order shown. One of the Human Values/Social Context electives, PHI 101 taken at EMCC in semester 4, must also satisfy the ethics requirement of the General Education Requirements.

# the semester 5 Human Values and Social context elective 1 course should be moved to Semester 8 for those students who complete MAT 227 at EMCC. Successful completion of MAT 227 at EMCC eliminates the need for TME 253 in semester 8.

@ denotes a course that meets a General Education Requirement.

**Degree Requirement Notes:**

Total minimum degree credit hours required for the Bachelor of Science in Construction Engineering Technology are **120 credits** consisting of specific degree requirements, specific elective requirements and general education requirements.

**Students should see advisor for approval of ALL electives!** Lists of approved courses that meet the General Education requirements and Technical Electives are available in the School of Engineering Technology Office in 119 Boardman Hall at UMaine.

*Transfer students will be accorded the same standards and criteria for admission to a major degree sequence as UMaine students. All applicants accepted to UMaine's baccalaureate programs must fulfill the graduation requirements as identified in UMaine's academic catalog. For up to date degree information please check UMaine's online catalog at <http://catalog.umaine.edu/>. The most recent transfer credit equivalency information is available through the online transfer equivalency listing located at [mainestreet.maine.edu](http://mainestreet.maine.edu). See appendix A for complete degree requirements.*

Contacts/designee at each campus for more information:

**Eastern Maine Community College**

Name: Elizabeth Russell  
Title: Vice President of Academic Affairs  
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**University of Maine:**

Name: Jeff St. John  
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Name: Scott Dunning  
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**Articulation Implementation and Agreement Review**

The Chief Academic Officer designee of the collaborating institutions shall be responsible for implementing this agreement, for identifying and incorporating any changes into subsequent agreements, and for conducting a periodic review of this agreement.

**Signatures to this Agreement**

This agreement becomes effective on August 1, 2017 and will be reviewed in August 2020 for renewal discussion.

**Eastern Maine Community College:**

Elizabeth Russell  
Vice President of Academic Affairs

*Elizabeth Russell* 8-1-17  
Signature date

**University of Maine:**

Jeffrey E. Hecker  
Executive Vice President for Academic Affairs and  
Provost

*J. E. Hecker* 8/1/2017  
Signature date

Jeffrey E. St John  
Senior Associate Provost for Academic Affairs

*Jeffrey E. St John* 8/1/17  
Signature date

Scott C. Dunning  
Director, School of Engineering Technology

*Scott C. Dunning* 8/1/17  
Signature date

**Appendix A**

**University of Maine**

**Bachelor of Science in Construction Engineering Technology (BS CET) Degree Requirement Plan as of  
Date of Agreement**

UMaine BSCET Course		EMCC ASCET Course Equivalent	
<b>SEMESTER I (Fall)</b>			
CET100 Introduction to Construction Management	1	CET 100 Intro. to CET	1
SVT121 AutoCad for Surveyors I	3	CET121 Civil CADD I	3
CMJ103 Fundamentals of Public Communication	3	SPE101 Oral Communications	3
PHY107 Technical Physics I	4	PHY121 Physics I & PHY122, Physics Lab	4
MAT122 Pre-calculus	4	MAT217 Pre-Calculus	3
Total	15		14
<b>SEMESTER II (Spring)</b>			
CET101 Plane Surveying	3	CET101 Plane Surveying	3
ENG101 College Composition	3	ENG101 College Composition	3
PHY108 Technical Physics II	4	PHY123 Physics II, PHY124, Physics II Lab	4
TME152: Introductory Calculus for Eng Tech	3	MAT 225 Calculus I (transfers as MAT 126 Calculus I)	4
Total	13		14

<b>SEMESTER III (Fall)</b>			
CET202 Construction Surveying	3	CET202 Construction Surveying	3
CET228 Intro to Construction Estimating and Planning	3	CET124 Construction Estimating	3
CIE110 Materials	3	CET110 Materials	3
CIE111 Materials Laboratory	1	CET111 Materials Laboratory	1
TME253 Applied Calculus for Engineering Technology	4		

**EMCC and UMaine**

Total	14		10
<b>SEMESTER IV (Spring)</b>			
CET221 Construction Methods	3		
CET224 Construction Safety	3		
STS 232 Principles of Statistical Inference	3		
ECO120 or 121 Principles of Micro or Macroeconomics	3		
<i>HVSC Elective</i>	3		
Total	15		
<b>SEMESTER V (Fall)</b>			
BUA201, Principles of Accounting I	3		
CET326 Soil Mechanics and Foundations	3	CET214 Soil Mechanics	3
CET327 Soil Mechanics and Foundations Lab	1	CET214 Soil Mechanics Lab	1
CET356 Construction Project Administration	3		
CET451 Construction Law	3		
ENG317 Business and Technical Writing	3	ENG215 Business & Technical Writing	3
Total	16		7
<b>SEMESTER VI (Spring)</b>			
CET332 Civil Infrastructure	3		
CET360 Preconstruction Services	3		
CET413 Statics and Strength of Materials	4	CET211 Statics & Strength of Materials	4
CMJ257 Business & Professional Communication	3		
<i>Technical Elective</i>	3	CET 200X CET elective (CET201 Co-op for CET at EMCC)	3
Total	16		7
<b>SEMESTER VII (Fall)</b>			
CET458 Management of Construction	3		
CET462 Construction Planning & Scheduling	3		
CET412 Sust Pop & Envir Design & Constr	3		
<i>HVSC Elective</i>	3		
<i>Construction Elective</i>	3		
Total	15		
<b>SEMESTER VIII (Spring)</b>			

EMCC and UMaine

CET414 Structural Design	4	CET212 Structural Design	4
MET484 Engineering Economics	3		
HVSC Elective	3		
Construction Elective	3		
Technical Elective	3	CET 200X CET Elective (CET 221 3D CAD at EMCC) 3	
Total	16		4
Other			
Ethics Gen Ed Requirement		PHI 101 Ethics	3
Overall Degree total	120		62
		MAT 123 College Algebra and Trigonometry (does not count as part of the UM BS CET degree requirements but does transfer to UMaine)	4
		Overall total transfer credits from AAS CET	66

**Graduation Requirement Notes:**

Total minimum degree credit hours required for the Bachelor of Science in Construction Engineering Technology are **120 credits** consisting of specific degree requirements, specific elective requirements and general education requirements.

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