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 Building Construction Technology

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 Building Construction Management and a complete application for admission.

Scholarships and Financial Aid dates: Applying before June 1st for a fall entry allows students to be considered for transfer merit awards. June 1st is also the on-time FAFSA filing date for fall transfers.

**Side by Side Course Equivalency Table as February 2023**

Identifies how courses in the Associate in Applied Science in Building Construction 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).

**First Semester**

| EMCC Courses: | | Cr | UMaine Transfer Equivalent: | | Cr |
|---|---|---|---|---|---|
| BCT 103 | Intro to Framing, Safety, Code Compliance | 3 | CET 224 | Construction Safety | 3 |
| BCT 105 | Roof Systems and Surfaces | 4 | CET 200X | Technical Elective | 4 |
| DGT 103 | Architectural Drafting I | 3 | | Not accepted for transfer credit | 0 |
| ENG 101 | English Composition@ (ENG 100 not accepted for transfer credit) | 3 | ENG 101 | English Composition – meets UM Gen Ed requirement | 3 |

| EMCC Courses: | | Cr | UMaine Transfer Equivalent: | | Cr |
|---|---|---|---|---|---|
| MAT 110 | Technical Mathematics I – Replace MAT 110 with the highest-level math qualified to take (based on math placement test): | 3 | | (note: MAT 110 does not transfer to UMaine) | |
| | MAT 116 – College Algebra | 3 | MAT 111 | Algebra for College Math | 3 |
| | MAT 217 Pre-Calculus@ | 3 | MAT 100X | Math Elective | Or |
| | MAT 225 Calculus I@ | 4 | MAT 226 | Calculus I | 4 |
| | MAT 226 Calculus II@ | 4 | MAT 227 | Calculus II | |
| | Or check to see if you can take the following courses at UMaine | | | | |
| | MAT 116 Intro to Calculus@ | 4 | MAT 116 | Intro to Calculus | |
| | MAT 117 Applications of Calculus@ | 4 | MAT 117 | Applications of Calculus | |
| | **Credits** | **16** | | **Credits** | **10** |

**Second Semester**

| EMCC Courses: | | Cr | UMaine Transfer Equivalent: | | Cr |
|---|---|---|---|---|---|
| BCT 153 | Exterior & Interior Finish with Adv Rafter Framing | 7 | CET 200X | Construction Engineering Technology Construction Elective | 7 |
| DTG 133 | Architectural Drafting II | 3 | SVT 121 | SVT 121 AutoCAD for Surveyors I | 3 |
| Math or Science 100 level/higher | Take the highest-level math qualified to take: | | | | |
| | MAT 116 – College Algebra | 3 | MAT 111 | Algebra for College Math | 3 |
| | MAT 217 Pre-Calculus@ | 3 | MAT 100X | Math Elective | 3 |
| | MAT 225 Calculus I@ | 4 | MAT 226 | Calculus I | 4 |
| | MAT 226 Calculus II@ | 4 | MAT 227 | Calculus II | 4 |
| | Or check to see if you can take the following courses at UMaine | | | | |
| | MAT 116 Intro to Calculus@ | | MAT 116 | Intro to Calculus | 3 |
| | MAT 117 Applications of Calculus@ | | MAT 117 | Applications of Calculus | 3 |
| Humanities or Soc Science | SPE 101 Oral Communications@ | 3 | CMJ 103 | Public Speaking – meets UM Gen Ed and BS CET requirement | 3 |
| | **Credits** | **16 or 17** | | **Credits** | **16** |

**Third Semester**

| EMCC Courses: | | Cr | UMaine Transfer Equivalent: | | Cr |
|---|---|---|---|---|---|
| BCT 213 | Stair Construction | 1 | | Not accepted for transfer credit | 0 |
| BCT 255 | Commercial & Industrial Construction | 4 | CET 100X | Construction Engineering Technology Elective – used as a substitution for CIE 110 Civil Eng Materials and CIE 111 Materials Lab for students following this articulation agreement | 4 |
| BCT 264 | Estimating | 3 | CET 228 | Intro to Const Estimat & Planning | 3 |
| DGT 233 | Architectural Drafting III | 3 | CET 200X | Construction Engineering Tech Elective – counts as a Construction Elective in BS CET | 3 |
| Humanities or Soc Science | PSY 101 – General Psychology@ | 3 | PSY 100 | General Psychology – meets UM Gen Ed and BS CET requirement | 3 |
| | | | | | |
| | **Credits** | **14** | | **Credits** | **13** |

**Fourth Semester**

| EMCC Courses: | | Cr | UMaine Transfer Equivalent: | | Cr |
|---|---|---|---|---|---|
| BCT 266 | Construction Management & Estimating II | 3 | CET 462 | Construction Planning and Scheduling | 3 |
| BCT 272 | Cabinet Making & Millwork | 5 | | Not accepted for transfer credit | 0 |
| ENG 215 | Business & Technical Writing | 3 | ENG 317 | Business & Technical Writing | 3 |
| Communic, Humanities, Math, Science or Soc Science Elective | PHY 111 Physics with Lab@ | 4 | PHY 107 | Technical Physics I | 4 |
| | **Credits** | **15** | | **Credits** | **10** |
| | | | | | |
| | **Total Credits:** | **60/61** | | | |
| | **Credit Transfer Totals:** | | | | **49** |

@ satisfies a UMaine General Education Requirement.

*A minimum grade of C- (or C for English Composition) is required for transfer credit to be awarded.

Special Notes

This agreement assumes students will have completed EMCC's MAT 225 Calculus I or UMaine's MAT 116 Intro to Calculus before starting the 5-semester sequence at UMaine. Students are encouraged to also complete either EMCC's MAT 227 Calculus II or take UMaine's MAT 117 Applications of Calculus (as a visiting, non-degree student) to complete the UMaine portion of the program in a timely manner.

Students planning to complete EMCC's MAT 225 or UMaine's MAT 116 prior to transferring may choose to use a combination of summer, May, or January sessions at EMCC and UMaine to complete

the courses in Semester 9 earlier in the program, eliminating the need for the 5th semester. Students should consult with their advisors at the beginning of their EMCC program to select appropriate courses and confirm availability of required courses in the preferred term.

*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 if they plan to take any courses at EMCC.*

**Suggested course sequence for the last 5 semesters at UMaine as of February 2023**

For those who have earned EMCC's Associate of Applied Science in Building Construction Management and completed EMCC's MAT 225 Calculus I or UMaine's MAT 116 Introduction to Calculus. Courses and time to complete the UMaine degree will vary for students who transfer before earning their associate degree or who have not completed at least EMCC's MAT 225 Calculus I or UMaine's MAT 116 Introduction to Calculus.

| **Semester 5** | | **Cr** | **Semester 6** | | **Cr** |
|---|---|---|---|---|---|
| CET 325 | Soil Mechanics and Foundations | 3 | CET 101 | Plane Surveying | 3 |
| CET 326 | Soil Mechanics and Foundations Lab | 1 | CET 221 | Construction Methods | 4 |
| MAT 117 | Application of Calculus (if not completed at EMCC) | 3 | CET 413 | Statics and Strength of Materials | 4 |
| ECO 121 | Micro (or 120 Macro) economics | 3 | PHY 108 | Technical Physics II | 4 |
| ACC 201 | Principles of Financial Accounting | 3 | | | |
| | **Credits** | **13** | | **Credits** | **15** |

| **Semester 7** | | **Cr** | **Semester 8** | | **Cr** |
|---|---|---|---|---|---|
| CET 202 | Construction Layout | 3 | CET 360 | Preconstruction Services | 4 |
| CET 325 | Construction Estimating | 3 | CET 332 | Civil Infrastructure | 3 |
| CET 414 | Structural Design | 4 | CET 356 | Construction Project Administration | 3 |
| MGT 220 | The Legal Environment of Business | 3 | CET 412 | Sust. Pop and Environmental Design | 3 |
| Gen Ed | HVSC: Cultural Div & International Persp. | 3 | EET 484 | Engineering Economics | 3 |
| | **Credits** | **16** | | **Credits** | **16** |

| **Semester 9*** | | **Cr** | | | |
|---|---|---|---|---|---|
| CET 458 | Management of Construction | **3** | | | |
| Gen Ed | HVSC: Artistic and Creative Expression | 3 | | | |
| Gen Ed | HVSC: Western Cultural Traditions | 3 | | | |
| STS 232 | Intro to Statistics | 3 | | | |
| | **Credits** | **12** | | | |

**General Education Requirement courses do not have to be taken in the order shown.** Student may also choose to meet general education requirements by taking additional courses at EMCC that have been identified as meeting UMaine's general education requirements or they may choose to take them during May term, Summer session or January term at UMaine.

Degree Requirement Notes:

* Students planning to complete EMCC's MAT 225 or UMaine's MAT 116 prior to transferring may choose to use a combination of summer, May, or January sessions at EMCC and UMaine to complete the courses in Semester 9 earlier in the program, eliminating the need for the 5th semester. Students should consult with their advisors at the beginning of their EMCC program to select appropriate courses and confirm availability of required courses in the preferred term.

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

*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 https://peportal.maine.edu/. See appendix A for complete degree requirements.*

Contacts/designee at each campus for more information:


Eastern Maine Community College

Name: Armand Auclair
Title: Chair, Building Construction technology
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University of Maine:

Name: Sharon Oliver
Title: Director of Transfer Admission
Email: smoliver@maine.edu
Phone: 207.581.1561


**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 February 15, 2023 and will be reviewed in July 2028 for renewal discussion.

**Eastern Maine Community College:**

Jane Loxterkamp
Interim Vice President of Academic Affairs

_____
Signature date

Armand Auclair
Chair, Building Construction Technology

_____
Signature date

**University of Maine:**

John C. Volin
Executive Vice President for Academic Affairs & Provost

_____
Signature date

Norm Jones
Interim, Vice President for Enrollment Management

_____
Signature date

Giovanna Guidoboni
Dean, College of Engineering

_____
Signature date

Will Manion
Director, School of Engineering Technology

_____
Signature date

Phil Dunn, Jr
Professor, Construction Engineering Technology

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Appendix A

University of Maine Bachelor of Science Degree in Construction Engineering Technology

February 2023

**First Semester** **Second Semester**

| UMaine | | Cr | | | Cr |
|---|---|---|---|---|---|
| CET 100 | Intro to Construction Engineering Technology | 1 | CET 101 | Plane Surveying | |
| CMJ 103 | Public Speaking | 3 | ENG 101 | College Composition | |
| MAT 116 | Introduction to Calculus | 3 | MAT 117 | Application of Calculus | |
| PHY 107 | Technical Physics I | 4 | PHY 108 | Technical Physics II | |
| SVT 121 | AutoCAD for Surveyors I | 3 | Gen Ed | *HVSC: Cultural Div & International Persp.* | |
| | | **14** | | | **16** |

**Third Semester** **Fourth Semester**

| UMaine | | Cr | | | Cr |
|---|---|---|---|---|---|
| CET 202 | Construction Layout | 3 | CET 221 | Construction Methods | 4 |
| CET 228 | Intro to Const Estimating & Planning | 3 | CET 224 | Construction Safety | 3 |
| CIE 110 | Materials | 3 | ECO 121 | Micro or Macroeconomics | 3 |
| CIE 111 | Materials Laboratory | 1 | STS 232 | Intro to Stat or Stat Inference | 3 |
| PSY 100 | General Psychology | 3 | Gen Ed | *HVSC: Artistic and Creative Expression* | 3 |
| Gen Ed | *HVSC: Western Cultural Traditions* | 3 | | | |
| | | **16** | | | **16** |

**Fifth Semester** **Sixth Semester**

| UMaine | | Cr | | | |
|---|---|---|---|---|---|
| ACC 201 | Principles of Financial Accounting | 3 | CET 332 | Civil Infrastructure | 3 |
| CET 325 | Construction Estimating | 3 | CET 356 | Construction Project Administration | 3 |
| CET 326 | Soil Mechanics and Foundations | 3 | CET 360 | Preconstruction Services | 4 |
| CET 327 | Soil Mechanics and Foundations Lab | 1 | CET 413 | Statics and Strength of Materials | 4 |
| ENG 217 | Business and Technical Writing | 3 | | | |
| MGT 220 | The Legal Environment of Business | 3 | | | |
| | | **16** | | | **14** |

**Seventh Semester** **Eighth Semester**

| UMaine | | Cr | | | Cr |
|---|---|---|---|---|---|
| CET 414 | Structural Design | 4 | CET 412 | Sust. Pop and Environmental Design | 3 |
| CET 458 | Management of Construction | 3 | EET 484 | Engineering Economics | 3 |
| CET 462 | Construction Planning and Scheduling | 3 | Elective | *Construction Elective* | 3 |
| Elective | Construction Elective | 3 | Elective | *Technical Elective* | 3 |
| Elective | Technical Elective | 3 | | | |
| | | **15** | | | **14** |

Total Program Credits: 120 credits