



## 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 Electrical and Automation Technology

То

# **Bachelor of Science in Electrical 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 Electrical and Automation Technology and a complete application for admission.

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

## Side by Side Course Equivalency Table as of December 2024

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

First Semester						
EMCC Co	urses:	Cr	UMaine Tr	UMaine Transfer Equivalent:		
CAD 101	Intro to CADD	3	EET 115	Transfers in as SVT 100X Survey	3	
				Engineering Elective - will substitute		
				for EET 115 but not artistic Gen Ed		
EPT 116	DC Circuits	3	EET 111	Circuit Analysis I	3	
EPT 176	Programable Controllers	3	EET 276	Programmable Logic Controllers	3	
EPT 245	Digital Electronics	3	EET 275	Digital Communications	3	
MATH#	Math sequence# – see below	3	MAT 122	Transfers as MAT 100X Math Elective	3	
	MAT 217 Pre-Calculus			- will substitute for MAT 122 Pre-	#See	
	(recommended)			Calculus if student successfully	below	
				completes EMCC MAT 225		
	Credits	15		Credits	15	



## Second Semester

EMCC Cou	rses:	Cr	UMaine Tr	ansfer Equivalent:	Cr
EPT 123	Power Distribution	3	EET 321	Electro-Mech Energy Conversion	4
and	and		and	and	
EPT 173	DC/AC Machines	3	EET 300	Electrical Engineering Tech Elective	2
EPT 125	AC Electricity	3	EET 312	Circuit Analysis II	3
EPT0167	Fluid Power Technology	3	EET 200X	Electrical Engineering Tech Elective	3
ENG 101	English Composition	3	ENG 101	English Composition	3
	Credits	15		Credits	15

### **Third Semester**

EMCC Cou	ırses:	Cr	UMaine Tr	ansfer Equivalent:	Cr
EPT 228	Industrial Electronics	3	EET 241	Linear Circuits	4
and	and		and	and	
EPT 241	Linear circuits	3	EET 200X	Electrical Engineering Tech Elective	2
EPT 296	Automation Projects I	3	EET 200X	Electrical Engineering Tech Elective	3
ENG 215	Business & Technical Writing	3	ENG 317	Business & Technical Writing	3
PHY 121	Physics I	3	PHY 107	Technical Physics	4
and	and				
PHY 122	Physics I Lab	1			
#MATH	#Math sequence – see below	4	MATH	#See Below	
	MAT 225 Calculus I (recommended)			MAT 126 Calculus I	4
	Credits	20		Credits	20

### Fourth Semester

EMCC Co	urses:	Cr	UMaine Transfer Equivalent:		Cr
EPT 155	National Electrical Code	3	EET 200X	Electrical Engineering Tech Elective	3
EPT 251	Control Systems	3	EET 200X	Electrical Engineering Tech Elective	3
EPT 298	Automation Projects II	3	EET 200X	Electrical Engineering Tech Elective	3
SPE 101	Oral Communications	3	CMJ 103	Public Speaking	3
HUM or	Select a course that also meets the	3	Artistic &	Select a course that also meets the	3
SOC SCI	UMaine Artistic and Creative		Creative	UMaine Artistic and Creative	
Elective	Expression Gen Ed requirement		Gen Ed	Expression Gen Ed requirement	
	Credits	15		Credits	15
	Total Credits:				
	Credit Transfer Totals:	65			65

Special Notes:

- A minimum grade of C- (or C for English Composition) is required for transfer credit to be awarded.
- EET majors must accumulate a GPA of 2.0 in all required EET classes.
- To be able to complete the UMaine BS EET program in a timely sequence, students should complete Pre-Calculus, Calculus I, and Calculus II <u>before semester 6</u>. Students should carefully plan their math courses with their academic advisor.



## • # Math sequence: UMaine suggested course sequence at EMCC:

EMCC Cou	rses:	Cr	UMaine Tra	Insfer Equivalent:	Cr
MAT 217	Pre-Calculus	3	MAT 100X	Mathematics Elective – will substitute for MAT 122 Pre-Calculus if student successfully completes EMCC's MAT 225	З
MAT 225	Calculus I	4	MAT 126	Calculus I	4
MAT 226	Calculus II - (can be taken the summer before attending UMaine or in the first semester at UMaine from EMCC with Domestic Study Away Form)	4	MAT 226	Calculus II	4

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 to earn the grade required 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.

### Black Bear Advantage Program:

UMaine offers a concurrent enrollment program for EMCC students who have previously been offered admission to UMaine and are pursuing EMCC degrees that have articulation agreements with UMaine programs, such as this one for Electrical and Automation Technology with Electrical Engineering Technology. Students complete a Black Bear Advantage Participation Form, and if approved, agree to co-enroll in a UMaine course (often online) each semester while attending EMCC full-time. Students in the program will be assigned a UMaine academic advisor to assist them with academic planning while attending EMCC. Black Bear Advantage students can participate in UMaine student life activities, attend UMaine athletic events and take advantage of UMaine support services. They may qualify for up to a \$2,000 one-time merit scholarship when they officially transfer to UMaine (depending on how many semesters they were co-enrolled at UMaine while attending EMCC). Additional details and the participation form are available on UMaine' s Black Bear Advantage web page: <a href="https://go.umaine.edu/transfer-to-umaine/black-bear-advantage/">https://go.umaine.edu/transfer-to-umaine/black-bear-advantage/</a>.

UMaine courses suggested for Black Bear Advantage students in the Electrical and Automation Technology program planning to transfer to UMaine's Electrical Engineering Technology program are:

- 1st semester at EMCC: EET115 (UMaine) to be substituted for CAD101(EMCC)
- 2nd semester at EMCC: ENG 101 (UMaine) to be substituted for ENGL 101 (EMCC)
- 3rd semester at EMCC: PHY107(UMaine) to be substituted for PHY121/122 (EMCC)
- 4th semester at EMCC: CMJ 103 (UMaine) to be substituted for SPE101 (EMCC) or PHY108 (UMaine)



## Suggested course sequence for the last 4 semesters at UMaine as of December 2024

For those who have earned their associate degree in EMCC's Associate in Applied Electrical and Automation Technology – courses may vary for students who transfer before earning their associate degree.

Semester !	5	Cr	Semester	6	Cr
EET 422	Power Systems Analysis	4	EET 486	Project Management	3
HVSC	General Education Elective	3	EET 342	Advanced Analog Circuit Design	4
STS 132	Principles of Statistical Inference	3	EET 274	Introduction to Microcontrollers	4
MAT 127	Calculus II at UM or	4	EET 350	Senior Design Project I	1
	MAT 226 Calculus II at EMCC				
			PHY 108	Technical Physics II	4
	Credits	14		Credits	16

Semester 7	1	Cr	Semester	r 8	Cr
EET 451	Senior Design Project II	2	EET 452	Senior Design Project III	1
MET 433	Thermodynamics	3	EET 484	Engineering Economics	3
EET 324	Network Analysis and Applications	4	EET 325	Design and Applications of Control Systems	4
EET 405	Foundations of Engineering, Electrical & Computer	3	HVSC	General Education Elective	3
			HVSC	General Education Elective	3
	Credits	12		Credits	14

Degree Requirement Notes:

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

Fundamentals of Engineering Exam must be completed (passing not required).

## Students should see their UMaine advisor for approval of ALL electives

EET majors must accumulate a GPA of 2.0 in all required EET classes

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 <u>http://catalog.umaine.edu/</u>. The most recent transfer credit equivalency information is available through the online transfer equivalency listing located at <u>https://peportal.maine.edu/</u>. See appendix A for complete degree requirements.



## Contacts/designee at each campus for more information:

Eastern Maine Community College

ege University of Maine:

Katherine White Director of Learning & Assessment kwhite@mainecc.edu Sharon Oliver Director of Admissions Operations 207.581.1561 smoliver@maine.edu

Rick Reardon Chair, Electrical & Automation Technology 207-974-4634 rreardon@mainecc.edu

Holly Smart Interim Assoc Dir of Transfer Admissions <u>holly.smart@maine.edu</u> 207. 581.1601

## 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.





Executive Vice President for Academic Affairs &

Vice President of Enrollment Management

#### Signatures to this Agreement

**University of Maine:** 

John C. Volin

-Signed by:

John Volin

32D1180378D04E

**Kevin Coughlin** 

Provost

Signature

Signature

This agreement becomes effective on December 31, 2024, and will be reviewed in 2029 for renewal discussion.

### **Eastern Maine Community College:**

Elizabeth Russell President

-Signed by: Elizabeth Russell

77E97FC397574FC... Signature

Lynn Hunter Academic Dean

Signed by:	
lynn Hunter	3/17/2025
Signature	date

**Rick Reardon** Chair, Electrical & Automation Technology

Signed by:	
Rick Reardon	3/14/2025
6E64C2665C9D4E6	date

Signature

date

3/17/2025

date

-Signed by:		
kevin (	Conglitin	
مالزهاري بالسارية التعلي الزنه إداري ويبيع ويستعصب		

3/4/2025 date

date

3/4/2025

Giovanna Guidoboni Dean, Maine College of Engineering and Computing

-Signed by:

Giovanna Guidoboni Signature

date

3/4/2025

Will Manion Director of the School of Engineering Technology

Docusigned by: Will Marrion	3/4/2025
Signature	date
Paul Villeneuve Professor, Electrical Enginee	ering Technology

Signed by:	
Paul Villeneuve	3/4/2025
5ignature	date





### Appendix A

University of Maine Bachelor of Science Degree Electrical Engineering Technology as of December 2024

First Semester		Second Semester			
UMaine		Cr			Cr
EET 100	Intro to Electrical Engineering	4	EET 111	Circuit Analysis I	4
ENG 101	College Composition	3	EET 115	Creative Design Using CAD	3
MAT 122	Pre-Calculus	4	MAT 126	Calculus I	4
PHY 107	Technical Physics	4	PHY 108	Technical Physics II	4
		15			15

Third Semester			Fourth Semester		
UMaine		Cr			Cr
EET 241	Analog Circuit Fundamentals	4	CMJ 103	Public Speaking	3
EET 275	Digital Communications	4	EET 274	Intro to Microcontrollers	4
EET 276	Programmable Login Controllers	4	EET 342	Advanced Analog Circuit Design	4
MAT 127	Calculus II	4	STS 132	Principles of Statistical Inference	3
		16			14

Fifth Semester		Sixth Semester			
UMaine		Cr			Cr
EET 312	Circuits Analysis II	4	EET 321	Electro-Mechanical Energy	4
				Conversion	4
EET 324	Network Analysis & Applications	4	EET 325	Design & Applications of Control Sys	4
ENG 317	Business & Technical Writing	3	EET 350	Senior Design Project i	1
Elective	Technical Elective	3	EET 486	Project Management	3
			Elective	Technical Elective	3
		14			15

Seventh Semester			Eighth Semester		
UMaine		Cr			Cr
Elective	EET Technical Elective	4	EET 452	Senior Design Project III	1
EET 405	Fund of Engineering: Electrical & Computer	4	EET 484	Engineering Economics	3
EET 451	Senior Design Project II	2	Gen Ed	Cultural Diversity & International Perspectives	3
MET 433	Thermodynamics	3	Gen Ed	Population & Environment	3
Gen Ed	Western Cultural Tradition	3	Elective	EET Technical Elective	3
			Elective	Technical Elective	3
		16			16

Fundamentals of Engineering Exam (passing not required)

Students must see their advisor for approval of all electives.

<sup>1</sup>General Education Requirement Elective requirements can be viewed on MaineStreet.

<sup>2</sup> CHE 350 or STS 332 may be substituted for STS 132

<sup>3</sup> EET 484 meets the Ethics and Human Values/Social Context requirements.