



Individual Program Transfer Articulation Agreement
 Between the Maine Community College System acting by and through
 Southern 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 Engineering Technologies

To

Bachelor of Science in Electrical Engineering Technology

This Transfer Articulation Agreement is governed by the general Transfer Articulation Agreement Memorandum of Understanding between Southern Maine Community College (SMCC) and the University of Maine (UMaine). Current students and graduates who have been enrolled in or earned the identified degree from SMCC 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 Engineering Technologies

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 May 2023

Identifies how courses in the Associate in Applied Science in Electrical Engineering Technologies at SMCC transfer UMaine when the required grade is earned in each course, minimum C- (C for English Composition) for transfer credit.

SMCC General Education Requirements:		Cr	UMaine Transfer Equivalent:		Cr
ENGL 100	English Composition@	3	ENG 101	English Composition – Meets degree & English Gen Ed requirement	3
ENGL 115	Introduction to Literature@	3	ENG 100X	English Elective - West Cult Trad Gen Ed requirement	3
FIGS 100	Student Success	1	FYS 100X	First Year Seminar Elective - Elective	1
MATH 140	College Algebra ¹	3	MAT 111	Math for College Algebra - Free Elective	3
MATH 146	Introduction to Trigonometry	1	MAT 100X	Math Elective – 1 credit Free Elective -When combined with MATH 190 Pre-Calculus both courses transfer to UMaine as MAT122 Pre-Calculus for 4 credits - without MATH 190 – 1 credit elective	0 or 1

SMCC General Education Requirements:		Cr	UMaine Transfer Equivalent:		Cr
PHYS 150	College Physics I & Lab@ -	4	PHY 111	General Physics I – Lab Science Gen Ed requirement – Free Elective - use to replace credits lost when 3 credit courses transfer in place of 4 credit courses at UMaine.	4
Fine Arts or Humanities	Select a course that also meets one of UMaine’s HVSC Artistic & Creative Gen Ed requirement@	3	Gen Ed	Select an SMCC course that meets UM Artistic & Creative Gen Ed	3
Social Science	Select a course that also meets one of UMaine’s HVSC Cultural Diversity Electives@	3	Gen Ed	Select an SMCC course that meets UM Cultural Diversity Gen Ed requirement	3
Credits		21	Credits		20/21

SMCC Major Required Courses:		Cr	UMaine Transfer Equivalent:		Cr
AEDD 105	CAD Graphics	3	SVT 121	CAD for Survey Engineering – will substitute for EET 115 but does not meet the Artistic Gen Ed requirement.	3
ELEC 101	Intro to Electrical Engin. Tech.	3	EET 100	Intro to EE Tech	3
ELEC 110	DC Circuits	3	EET 111	Circuit Analysis I	3
ELEC 120	Digital Electronics	3	EET 275	Digital Communications	3
ELEC 130	Programmable Logic Controllers	3	EET 276	Programmable Login Computers	3
ELEC 140	AC Circuits	3	EET 312	Circuit Analysis II	3
ELEC 170	Three-Phase Circuits (When taken with ELEC 215)	3	EET 300X	Electrical Engineering Technology Elective – when taken with ELEC 215 Electrical Machinery – free elective - 2 credits to help offset 3 to 4 credit loss.	2
ELEC 175	Wiring Practices	3	EET 100X	Electrical Engineering Technology Elective – free elective	3
ELEC 215	Electrical Machinery (When taken with ELEC 170)	3	EET 321	Electro-Mechanical Energy Conversion- when taken with ELEC 170 Three-Phase Circuits.	4
ELEC 230	Electronics I	3	EET 241	Analog Circuit Fundamentals I	3
ELEC 235	Electronics II	3	EET 342	Advanced Analog Circuit Design –	3
ELEC 240	Fluid Power Systems	3	EET 200X	Electrical Engineering Technology Elective – used as a Technical Elective	3
ELEC 250	National Electrical Code	3	EET 200X	Electrical Engineering Technology Free elective	3
ELEC 260	Motor Controls & Automation	3	EET 200X	Electrical Engineering Technology Elective – used as a Technical Elective	3
ELEC 265	Renewable Energy Sources	3	EET 460	Renewable Energy & Elec Production	3
Credits		45	Credits		45

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

@ Satisfies a UMaine General Education Requirement.

1 – College Algebra is a pre-requisite for Pre-calculus at UMaine, College Algebra is not included in the UM EET program.

Special Notes:



Students are encouraged to take MATH 190 Pre-Calculus at SMCC in the summer between their first and second semester at SMCC and to take MAT 260 Calculus I at SMCC the summer before they start their program at UMaine to preserve the course sequencing in this agreement. Students waiting to take Pre-Calculus and Calculus I at UMaine can expect to take additional time to complete the UMaine degree.

Additional Courses at SMCC		Cr	UMaine Transfer Equivalent:		Cr
MATH 190	Pre-Calculus@	3	MAT 100X	Mathematics Elective - 3 credits free elective - if taken with MATH 146 Trigonometry will transfer as MAT 122 Pre-Calculus for 4 credits- meets Quant Literacy Gen Ed Requirement	4
MATH 260	Calculus I@	4	MAT 126	Calculus I- - meets Quant Literacy Gen Ed Requirement	4
Credits		7	Credits		8
Total Credits taken at SMCC		73	Total Transfer Credits		69

For an up to date list of how SMCC courses transfer to UMaine and which courses at SMCC can be used to meet UM General Education Requirements, please consult the UMS Online Transfer Equivalency Tool that can be found at mainestreet.maine.edu

Courses taken at SMCC 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 SMCC 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 the student plans to take any subsequent courses at SMCC.

Suggested course sequence for the last 4 semesters at UMaine as of May 2023

For those who have earned SMCC's Associate in Applied Science in Electrical Engineering Technologies and have taken MATH 190 and MATH 260 at SMCC in addition to the AAS degree requirements - courses may vary for students who transfer before earning their associate degree or who do not complete Pre-Calculus and Calculus I prior to starting at UMaine.

Electrical Engineering Technology Option

Semester 5		Cr	Semester 6		Cr
PHY 107	Technical Physics@	4	PHY 108	Technical Physics II@	4
MAT 127	Calculus II@	4	EET 350	Senior Design Project I	1
TECH	Technical Elective	3	ENG 317	Business & Technical Writing	3
CMJ 103	Public Speaking@	3	EET 174	Intro to Microcontrollers	4
			STS 132	Principles of Statistical Inference@	3
Credits		14	Credits		15



Semester 7			Cr	Semester 8			Cr
EET 324	Network Analysis & Applications	4	EET 325	Design & Applic of Control Syst	4	4	
EET 422	Power System Analysis	4	EET 486	Project Management	3	3	
EET 451	Senior Design Project II	2	EET 452	Senior Design Project III	1	1	
MET 433	Thermodynamics	3	EET 484	Engineering Economics	3	3	
EET 405	Fund of Engineering Exam Prep	4	EET TECH	EET Technical Elective	3	3	
	Credits	17		Credits	14		
	Total UMaine credits	55					

*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 SMCC that have been identified as meeting UMaine's general education requirements or if offered, they may choose to take them during May term, Summer session or January term at UMaine.

Degree Requirement Notes:

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

Students must see their advisor for approval of all electives. A list of approved courses that meet technical electives are available in 119 Boardman Hall. See current catalog for a list of approved IT electives. General electives do not have to be taken in the order shown. Courses that meet the General Education elective requirements can be viewed on MaineStreet. CHE 350 or STS 332 may be substituted for STS 132. EET 484 meets the Ethics and Human Values/Social Context requirements. EET 405 meets the Population and Environment requirement.

Please note that the BS in Electrical Engineering Technology also offers an Information Engineering Technology Option, an Electromechanical Engineering Technology Option, and a Power Concentration Option. Students wishing to pursue any of the available options should contact an academic advisor in the Electrical Engineering Technology program as soon as possible to discuss how the required courses at UMaine will change to meet the option 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:

Southern Maine Community College

Margaret Fahey
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Design and Articulation
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University of Maine:

Sharon Oliver
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Karyn Soltis-Habeck
Assoc Dir of Transfer, Non-Traditional & Veteran Adm
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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 June 1, 2023 and will be reviewed in 2028 for renewal discussion.

Southern Maine Community College:

University of Maine:

Joe Cassidy
President

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

Signature date

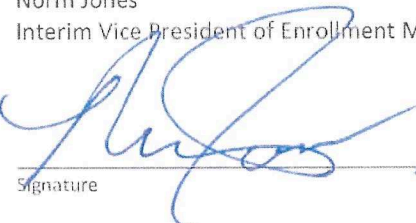
 June 1, 2023

Signature date

Paul Charpentier
Vice President/Academic Dean

Norm Jones
Interim Vice President of Enrollment Management

Signature date

 5/22/2023

Signature date

Andrew Silsby,
Co-Chair, Engineering Technology

Giovanna Guidoboni,
Dean, Maine College of Engineering and Computing

 June 20, 2022


Signature date

 May 17, 2023

Signature date

Adam Tambone
Co-Chair, Engineering Technology

Will Manion
Director of the School of Engineering Technology


 6/12/2023

Signature date

 May 16, 2023

Signature date

Paul Villeneuve
Coordinator, Electrical Engineering Technology

 May 15, 2023

Signature date



Appendix A

UMaine Bachelor of Science Degree Electrical Engineering Technology
Electrical Engineering Technology Option May 2023

First Semester

Second Semester

UMaine		Cr			Cr
EET 100	Intro to Elec Engineering Tech	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 I	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 Logic Controllers	4	EET 342	Adv Analog Circuit Design	4
MAT 127	Calculus II	4	TECH	Technical Elective	3
		16			14

Fifth Semester

Sixth Semester

UMaine		Cr			Cr
EET 312	Circuit Analysis II	4	EET 321	Electro-Mechanical Energy Conversion	4
EET 324	Network Analysis & Applications	4	EET 325	Design & Applic of Control Systems	4
ENG 317	Business & Technical Writing	3	EET 350	Senior Design Project I	1
STS 132	Principles of Statistical Inference ¹	3	EET 486	Project Management	3
			TECH	Technical Elective	3
		14			15

Seventh Semester

Eighth Semester

UMaine		Cr			Cr
EET 422	Power System Analysis	4	EET 452	Senior Design Project III	1
EET 451	Senior Design Project II	2	EET 484	Engineering Economics ²	3
MET 433	Thermodynamics	3	GEN ED	Cultural Diversity Elective	3
EET 460	Renewable Energy & Elec Production ³	4	GEN ED	Western Cultural Traditions Elective	3
EET 405	Fund of Engineering Exam Prep	3	EET TECH	EET Technical Elective	3
			TECH	Technical Elective	3
			Fund of Engineering Exam (passing not required)		
		16			16

Minimum Program Credits required for the degree: 120 credits.

Students must see their advisor for approval of all electives.

A list of approved courses that meet technical electives are available in 119 Boardman Hall. See current catalog for a list of approved IT electives.

General electives do not have to be taken in the order shown. Courses that meet the General Education elective requirements can be viewed on MaineStreet.

¹ CHE 350 or STS 332 may be substituted for STS 132.

²EET 484 meets the Ethics and Human Values/Social Context requirements.

³EET 405 meets the Population and Environment requirement.

SMCC and UMaine: AAS Electrical Engineering Technologies /BS Electrical Engineering Technology