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 Pre-Engineering

To

Bachelor of Science in Electrical Engineering Technology

Electrical Engineering Technology Option

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 Pre-Engineering and a complete UMaine 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 June 2023

Identifies how courses in the Associate in Applied Science in Pre-Engineering 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 & Gen Ed requirement	3
ENGL 115	Introduction to Literature@	3	West Cult Trad Gen Ed	ENG 100X English Elective - West Cult Trad Gen Ed requirement	3
FIGS 100	Freshman Interest Group	1	Free Elective	FYS 100X First Year Seminar Elective – free elective	1
MATH 140	College Algebra[1]	3	Free Elective	MAT 111 Math for College Algebra	3

SMCC General Education Requirements:		Cr	UMaine Transfer Equivalent:		Cr
MATH 146	Introduction to Trigonometry	1	Combine with MATH 190	Combine with MATH 190 to transfer as UMaine's 4 credit MAT 122 Pre-Calculus	0
MATH 190	Pre-Calculus@ - must be taken with MATH 146	3	MAT 122	Pre-Calculus – when taken with MATH 146 meets Quant Reasoning Gen Ed -	4
CHEM 131	Chemistry for Engineers with Lab @	4	Technical Elective	CHY 131 & CHY 133 Chemistry for CIE, EEE, & MEE & Lab - Meets UMaine Lab Science Gen Ed requirement	4
ENGL 110	Oral Communications @	3	CMJ 103	Speech Communications – meets degree & Social Contexts Gen Ed requirement	3
Social Science	Select a course that also meets one of UMaine's HVSC Cultural Diversity Electives@	3	Cultural Diversity Gen Ed	Select an SMCC course that meets UM Cultural Diversity Gen Ed requirement	3
Credits		**24**	**Credits**		**24**

A minimum grade of C- (or C for English Composition) is required for transfer credit to be awarded.
1 – College Algebra is a pre-requisite for Pre-calculus at UMaine, it is not included in the EET program.
@ - meets a UMaine General Education Requirement

SMCC Major Required Courses:		Cr	UMaine Transfer Equivalent:		Cr
COMM 201	Technical Writing	3	ENG 317	Business & Technical Writing.	3
ENGR 100	Introduction to Engineering	2	Free Elective	GEE 100X - General Engineering Elective – free elective	2
ENGR 216	Circuits I: Steady State Analysis Students must also take ENGR 217 – together they can be used to substitute for both EET 111 and EET 324	3	EET 111	Transfers as ECE 210 Circuits I - used to substitute for EET 111 Circuit Analysis I	3
MATH 160	Calculus I@	4	MAT 126	Calculus I meets degree & Quantitative Reasoning Gen Ed requirements	4
MATH 270	Calculus II@	4	MAT 127	Calculus II meets degree & Quantitative Reasoning Gen Ed requirement	4
MATH 275	Differential Equations	4	Technical Elective	MAT 258 Intro to Differential Equations with Linear Algebra	4
PHYS 200	Physics for Engineers I with Lab@	4	PHY 107	Transfers as PHY 121 Physics for Engineering & Physical Science I - used to substitute for PHY 107 Technical Physics I. Meets UMaine Lab Science Gen Ed requirement	4
PHYS 250	Physics for Engineers II with Lab@	4	PHY 108	Transfers as PHY 122 Physics for Engineering & Physical Science II - used to substitute for PHY 108 Technical Physics I. Meets UMaine Lab Science General Education requirement	4

Electrical Engineering Option		Cr	UMaine Transfer Equivalent:		Cr
ENGR 172	Digital Logic	3	EET 275	Transfers as ECE 275 Sequential Logical Systems – used to substitute for EET 275 Digital Communications.	3
ENGR 217	Circuits II System Dynamics with Lab – must be taken with ENGR 216 to be awarded transfer credit for ECE 210 and be used to substitute for EET	4	EET 324	Transfers as ECE 214 Electric Circuits II - used to substitute for EET 324 Network Analysis and Applications	4
MATH 225	Discrete Mathematics@	3	Technical Elective	MAT 200X Math Elective – meets Quantitative Reasoning Gen Ed requirement.	3
Credits		**38**	**Credits**		**38**
	Total Program Credits	**62**		**Transfer Credits**	**62**

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

Special Notes:

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 June 2023

For those who have earned their associate degree in SMCC's Associate in Applied Science in Pre-Engineering transferring into the UMaine BS in Electrical Engineering Technology degree, Electrical Engineering Technology Option. Courses may vary for students who transfer before earning their associate degree. Courses will vary for students transferring into the Information Engineering Technology Option or the Electromechanical Engineering Technology Option; students interested in these options should consult with their SMCC advisor and a UMaine advisor in their first semester at SMCC.

Electrical Engineering Technology Option

Semester 5		Cr	Semester 6		Cr
EET 100	Intro to Elec Engineering Tech	4	EET 115	Creative Design using CAD	3
EET 241	Analog Circuit Fundamentals	4	EET 274	Intro to Microcontrollers	4
EET 312	Circuit Analysis II	4	EET 342	Adv. Analog Circuit Design	4
EET 460	Renewable Energy & Elec Production	3	EET 321	Electro-Mechanical Energy Conv	4
MET433	Thermodynamics	3	EET 350	Senior Project Design I	1
	Credits	**18**		**Credits**	**16**

Semester 7		Cr	Semester 8		Cr
EET 276	Programmable Logic Controllers	4	EET 486	Project Management	3
EET 422	Power Systems Analysis	4	EET 325	Design & Applic of Control Systems	4
EET 451	Senior Design Project II	2	EET 452	Senior Design Project III	1
EET 405	Fund of Engineering Exam Prep	3	EET 484	Engineering Economics	3
STS 132	Principles of Statistical Inference	3	EET TECH	EET Technical Elective	3
	Credits	**16**		**Credits**	**14**
	Total UMaine credits	**65**			

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.

Courses will vary for students transferring into the Information Engineering Technology Option or the Electromechanical Engineering Technology Option; students interested in these options should consult with their SMCC advisor and a UMaine advisor in their first semester at SMCC.

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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University of Maine:

Sharon Oliver
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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.

SOUTHERN MAINE COMMUNITY COLLEGE
envision a future

1865 THE UNIVERSITY OF MAINE

Signatures to this Agreement

This agreement becomes effective on June 15, 2023 and will be reviewed in June 2028 for renewal discussion.

Southern Maine Community College:

Joe Cassidy
President

Signature date

Paul Charpentier
Vice President/Academic Dean

Signature date

Adam Tambone
Co-Chair, Engineering Technology

6/12/2023
Signature date

University of Maine:

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

6/9/2023
Signature date

Norm Jones
Interim Vice President of Enrollment Management

6/8/23
Signature date

Giovanna Guidoboni,
Dean, Maine College of Engineering and Computing

6/6/2023
Signature date

Will Manion
Director of the School of Engineering Technology

6/6/2023
Signature date

Paul Villeneuve
Coordinator, Electrical Engineering Technology

6/5/23
Signature date

Appendix A

UMaine Bachelor of Science Degree Electrical Engineering Technology

Electrical Engineering Technology Option - June 2023

First Semester

UMaine		Cr
EET 100	Intro to Elec Engineering Tech	4
ENG 101	College Composition	3
MAT 122	Pre-Calculus	4
PHY 107	Technical Physics I	4
		15

Second Semester

		Cr
EET 111	Circuit Analysis I	4
EET 115	Creative Design Using CAD[4]	3
MAT 126	Calculus I	4
PHY 108	Technical Physics II	4
		15

Third Semester

UMaine		Cr
EET 241	Analog Circuit Fundamentals	4
EET 275	Digital Communications	4
EET 276	Programmable Logic Controllers	4
MAT 127	Calculus II	4
		16

Fourth Semester

		Cr
CMJ 103	Public Speaking	3
EET 274	Intro to Microcontrollers	4
EET 342	Adv Analog Circuit Design	4
TECH	Technical Elective	3
		14

Fifth Semester

UMaine		Cr
EET 312	Circuit Analysis II	4
EET 324	Network Analysis & Applications	4
ENG 317	Business & Technical Writing	3
STS 232	Principles of Statistical Inference[1]	3
		14

Sixth Semester

EET 321	Electro-Mechanical Energy Conversion	4
EET 325	Design & Applic of Control Systems	4
EET 350	Senior Design Project I	1
EET 486	Project Management	3
TECH	Technical Elective	3
		15

Seventh Semester

UMaine		Cr
EET 422	Power System Analysis	4
EET 451	Senior Design Project II	2
MET 433	Thermodynamics	3
EET 460	Renewable Energy & Elec Production[2]	3
EET 405	Fund of Engineering Exam Prep	3
		15

Eighth Semester

		Cr
EET 452	Senior Design Project III	1
EET 484	Engineering Economics[3]	3
GEN ED	Cultural Diversity Elective	3
GEN ED	Western Cultural Traditions Elective	3
EET TECH	EET Technical Elective	3
TECH	Technical Elective	3
Fund of Engineering Exam (passing not required)		
		16

[1] CHE 350 or STS 332 may be substituted for STS 232.

[2] EET460 meets the Human Values/Population and Environment requirement.

[3] EET 484 meets the Ethics and Human Values/Social Context requirements.

[4] EET 115 meets the Human Values/Artistic & Creative requirement.

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.