THE UNIVERSITY OF MAINE

Eastern Maine Community College | Technical Career & Transfer Education

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 Automation Technology (EAT)

To

Bachelor of Science in Electrical Engineering Technology (EET)

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 Automation Technology (EAT) and a complete application for admission.

Side by Side Course Equivalency Table as of August 1st, 2017

Identifies how courses in the Associate in Applied Science in Electrical 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).

EMCC Program courses by semester with credits		UMaine transfer credit awarded*	
Semester 1			
CAD 101 Introduction to CADD	3	EET 201 Introduction to CAD	3
EPT 116 DC Circuits	3	EET 111 Circuit analysis I	3
EPT 176 Programmable Controllers	3	EET 276 Programmable Logic Controllers	3
EPT 245 Digital Electronics	3	EET 275 Digital Communications	3
# Math sequence – see below		# MAT course – see below	
MAT 217 Pre-Calculus (recommended)@	3	MAT 123 Pre-Calculus@	3
Total 15 credits		Total 15 credits	

Semester 2	
EPT 123 Power Distribution 3	EET 321 Electro-Mech Energy Conversion 6
EPT 173 DC/AC Machines 3	
EPT 125 AC Electricity 3	EET 112 Circuit Analysis II 3
EPT 167 Fluid Power Technology 3	MET 362 Power Transmission and Control (not part of the BS EET program) 3
ENG 101 College Composition@ 3	ENG 101 English Composition@ 3
Total 15 credits	Total 15 credits
Semester 3	
EPT 228 Industrial Electronics 3	EET 241 Analog Circuit Fundamentals 6
EPT 241 Linear Circuits 3	
EPT 296 Automation Projects I 3	EET 200X Electrical Engineering Tech Elective 3
ENG 215 Business and Technical Writing@ 3	ENG 317 Business & Technical Writing@ 3
PHY 121 Physics I@ 3	PHY 107 Technical Physics@ 4
PHY 122 Physics I Laboratory@ 1	
# Math sequence – see below	# MAT course – see below
MAT 225 Calculus 1@ 4	MAT 126 Calculus I@ 4
Total 20 credits	Total 20 credits
Semester 4	
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 Fundamentals of Public Communication@ 3
Restricted Elective Any Humanities or Social Science	Restricted Elective Any Humanities or Social Science
PHI 101 Ethics 3 recommended@ 3	PHI 100X Philosophy elective@ 3
Total 15 credits	Total 15 credits
Summer after Semester 4	
MAT 226 Calculus 2 4	MAT 127 Calculus II 4
Total 4 credits	Total 4 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

To be able to complete the UMaine BS EET program in a timely sequence, students should complete Pre-Calculus, Calculus I and Calculus II at EMCC before transferring to UMaine. The program may take longer than 4 additional semesters for students who have not done so. If needed, Calculus II can be taken in the summer at either EMCC or UMaine.

Mathematics: UMaine suggested course sequence at EMCC

EMCC MAT Course	UMaine Transfer Credit Awarded
MAT 217 Pre-Calculus 3	MAT 122 Pre-Calculus 3 @
MAT 225 Calculus I 4	MAT 126 Calculus I 4 @
MAT 226 Calculus II 4	MAT 127 Calculus II 4 @ (can be taken the summer before attending UMaine)

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 1st, 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.

Semester 5		Semester 6	
CHY 121 Intro to Chemistry	3	EET 242 Advanced Analog Circuit Design	4
CHY 123 Intro to Chemistry Lab	1	EET 174 Introduction to Microcomputers	4
EET 386 Project Management	3	EET 350 Senior Design Project I	1
EET 324 Intro to Electomechanical Systems	4	MAT 258 Introduction to Differential Equations with Linear Algebra	4
Cultural Diversity & International Perspective Gen Ed course@	3	Social Context & Institutions Gen Ed course@	3
Total credits	14	Total credits	16
Semester 7		**Semester 8**	
EET 451 Senior Design Project II	1	PHY 108 Technical Physics	4
EET 323 Power Systems Analysis	4	EET 325 Design & Application of Control Systems	4
STS 232 Principles of Statistical Inference	3	EET 452 senior Design Project III	2
MET 233 Thermal Science	3	MET 484 Engineering Economics	3
Population & Environment Gen Ed course@	3	18th credit Gen Ed Requirement	3
Artistic & Cultural Expression Gen Ed course@	3	Total credits	16
Total credits	17		

***General Education Requirement Electives do not have to be taken in the order shown. One of the Human Values/Social Context electives must also satisfy the ethics requirement of the General Education Requirements.**
@ denotes a course that meets a General Education Requirement.

Degree Requirement Notes:

Total minimum degree credit hours required for the Bachelor of Science in Electrical Engineering Technology are **126 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. 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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Name: Rick Reardon
Title: Chair, Electrical & Automation Technology
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University of Maine:

Name: Jeffrey E. St. John
Title: Senior Associate Provost for Academic Affairs
Email: jeffrey.stjohn@maine.edu
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Name: Scott C. Dunning
Title: Director of the School of Engineering Technology
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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.

THE UNIVERSITY OF MAINE

Eastern Maine Community College
Great College. Smart Choice
Technical Career & Transfer Education

Signatures to this Agreement

This agreement becomes effective on **August 1st, 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

Rick Reardon
Chair, Electrical and Automation Technology

Rick Reardon 8-01-17
Signature date

University of Maine

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

8/1/2017
Signature date

Jeffrey E. St John
Senior Associate Provost for Academic Affairs

7/26/17
Signature date

Scott C. Dunning
Director of the School of Engineering Technology

Scott Dunning 8/1/17
Signature date

Appendix A

University of Maine
Bachelor of Science Electrical Engineering Technology Degree Requirements as of **August 1st, 2017**

COURSE EQUIVALENCY TABLES FOR THE PROGRAMS

UMaine BS EET Courses		EMCC AAS EAT Transfer credits	
SEMESTER I (Fall)			
EET 100, Introduction to Electrical Eng. Tech.	3	Waived with 2-yr AAS EAT degree completion	
ENG 101, College Composition	3	ENG101, English Composition	3
PHY 107, Basic Physics I	4	PHY121/122, Physics I & Lab	4
MAT 122, Pre-Calculus	4	MAT217, Pre-Calculus	3
Total	**14**	Transfer Credits	**10**
SEMESTER II (Spring)			
EET 111, Circuit Analysis I	4	EPT116, DC Circuits	3
EET 275, Digital Communications	4	EPT245	3
PHY 108, Basic Physics II	4		
MAT 126, Introductory Calculus	4	MAT 225, Calculus	4
Total	**16**	Transfer credits	**10**
SEMESTER III (Fall)			
EET 112, Circuit Analysis II	4	EPT 125, AC Electricity	3
EET 276, Programmable Logic Controllers	4	EPT 176 Programmable Logic Controllers	3
MAT 127, Calculus II	4	MAT 226 Calculus II (Can be taken in summer prior to enrollment at UM at either EMCC or UMaine)	0 - 4
Western Cultural Traditions Elective	3		
Total	**15**	Transfer credits	**6 - 10**

SEMESTER IV (Spring)			
CMJ 103, Fundamentals of Public Communication	3	SPE 101 Oral Communication	3
EET 174, Introduction to Microcontrollers	4		
EET 201 Introduction to AutoCAD	2	CAD 101 Introduction to CADD	3
EET 241, Analog Circuit Fundamentals	4	EPT 241/228 Industrial/Linear Electronics	6
MAT 258, Intro to Differential Equations with Linear Algebra	4		
Total	**17**	Transfer Credits	**12**
SEMESTER V (Fall)			
EET 242, Advanced Analog Circuit Design	4		
EET324, Network Analysis & Application	4		
EET 386, Project Management	3		
ENG317, Business and Technical Writing	3	ENG 215 Business and Technical Writing	3
Cultural Diversity and International Perspectives. Elective	3		
Total	**17**	Transfer Credits	**3**
SEMESTER VI (Spring)			
STS 232 Principles of Statistical Inference	3		
EET 321, Electro & Mechanical Energy Conversion	4	EPT 173/123 DC/AC Machines & Power Distribution	6
EET 325, Design and Applications of Cont. Systems	4		
EET 350, Senior Design Project I	1		
Technical Elective	3	EPT 296 Automation Projects	3
Total	**15**	Transfer Credits	**9**
SEMESTER VII (Fall)			

EET 323, Power Systems Analysis	4		
EET 451, Senior Project II	1		
MET 233, Thermal Science	3		
EET Technical Elective	3	EPT 155 National Electric Code	3
SEMESTER VII (Fall) (continued)			
Population and the Environment Elective	3		
Ethics Elective	3	Humanities or Social Science Elective – PHY 101 Ethics	3
Total	**17**	Transfer Credits	6
SEMESTER VIII (Spring)			
CHY 121 Introduction to Chemistry	3		
CHY 123 Introduction to Chemistry Laboratory	1		
EET 452, Senior Design Project III	2		
MET 484, Engineering Economics	3		
Artistic and Creative Expression Elective	3		
Technical Elective	3	EPT 251 Control Systems	3
Total	**15**	Transfer credits	3
TOTAL DEGREE	**126**	**TOTAL TRANSFER CREDIT APPLIED TO BS EET DEGREE**	**62 - 66**
		Additional transfer credits	
		EPT 298 Automation Projects II (transfers as EET 100X elective)	3
		EPT 167 Fluid Power Technology (transfers as MET 362 Power Transmission and Control)	3
		TOTAL TRANSFER CREDIT	**68 - 72**

* General Education electives do not have to be taken in the order shown.

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

Graduation Requirement Notes:

Total minimum degree credit hours required for the Bachelor of Science in Electrical Engineering Technology are **126 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.

CHE 350 or STS 332 may be substituted for STS 232.