

Appendix A: Transfer Course Equivalencies

Effective dates: *December 1, 2016* through *November 30, 2019*

Mohawk Valley Community College A.S. - Engineering Science				SUNY Canton B.Tech.- Electrical Engineering Technology		
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
1	ES 151	Introduction to Engineering	2	ENGS 101	Introduction to Engineering	2
	EN 101	English I: Composition	3	ENGL 101	Expository Writing (GER 10)	3
	MA 253	Calculus III (course substitution)	4	MATH 123	Pre-Calculus (GER 1)	4
	ES 175	Engineering Sci Design	3	SOET 116	Introduction to CAD & Design	2
	ES 192	Electrical Circuits I (Students will still need to take the lab)	3	ELEC 101 & ELEC 109	Electric Circuits I & Electric Circuits I Laboratory	4
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
2	CI 140	Computer Programming for Engineering and Science	3	ENGS 102	Programming for Engineers	2
				ELEC 102 & ELEC 129	Electric Circuits II & Electric Circuits II Laboratory	4
	MA 151	Calculus I	4	MATH 161	Calculus I (GER 1)	4
				ELEC 165 & ELEC 166	Digital Fundamentals & Systems & Digital Systems Lab	4
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
3	PH 261	Engineering Physics I	4	PHYS 121/131 & PHYS 125/135	College/University Physics I & Lab	4
				ELEC 141	Industrial Controls	2
				ELEC 213	Microprocessors	3
				ELEC 231	Electronic Circuits	4
	BM 101	Survey Economics (GER 3)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
4				ELEC 243	Automated Control Systems	2
				ELEC 215	Electrical Energy Conservation	4
				ELEC 225	Telecommunications	3
	PH 262	Engineering Physics II	4	PHYS 122/132 & PHYS 126/136	College/University Physics II & Lab	4
	MA 152	Calculus II	4	MATH 162	Calculus II	4
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
5				ELEC 332	Industrial Power Electronics	3
				ELEC 343	Advanced Circuit Analysis	3
				SOET 377	Engineering Ethics	1
	MA 260	Differential Equations	3	MATH 364	Differential Equations	4
	MA 110	Elementary Statistics (Restricted Elective)	3	MATH 141	Statistics (I)	3
EN 102	English 2: Ideas and Values Lit (GER 7)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
6				ELEC 380	LAN/WAN Technology	3
				ELEC 383	Power Transmission and Distribution	3
				ELEC 385	Electronic Communications I	3
				SOET 348	Engineering Safety	1
	ES 271	Engineering Statics	3		Program Elective	3
PY 101	Intro General Psychology (GER 3)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
7				ELEC 386	Electronic Communications II	3
				ELEC 416	Microelectronics Circuit Design	3
				SOET 361	Project Management	3
	ES 272	Engineering Dynamics	3		Program Elective	3
				GER Elective (3, 4, 5, 6, 7, 8, 9)	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
8				ELEC 477	Capstone Project*	3
				ELEC 436	Biomedical Electronics	Or 3
				ELEC 488	Electrical Power Systems	
				SOET 370	Engineering Economics	3
					U/L Program Elective	3
				U/L Program Elective	3	
Accepted Transfer Credit Total			56	SUNY Program Credit Total		125



Appendix A: Transfer Course Equivalencies

Transfer credits for Mohawk Valley Community College program requirements will be accepted as follows, however do not serve to fulfill requirements of SUNY Canton's Electrical Engineering Technology, B.Tech program:

Mohawk Valley Community College A.S. – Electrical Science			SUNY Canton		
Course #	Course Name	Cr	Course #	Course Name	Cr
CH 141	General Chemistry I	4	CHEM 150	College Chemistry I	4
ES 161	Mech of Materials	3	ENGS 202	Dynamics	3

Additional Notes

* Fulfills writing intensive requirement

UL = Upper Level Courses (300/400)

GER = General Education Requirement

Program Electives: Must be from approved list of program electives for the Electrical Engineering Technology program or permission of program coordinator.

NOTE: Electrical Technology students must meet seven of ten General Education Requirements, 45 upper level credits.

Student Learning Outcomes can be found at www.canton.edu/csoet/elec/.

This program is accredited by the Engineering Technology Accreditation Commission ETAC of (ABET)

ABET, 415 North Charles Street, Baltimore, MD 21201 - Phone +1.410.347.7700: <http://www.abet.org>

STUDENT ELIGIBILITY: Graduates of Associate of Science– Electrical Science program at Mohawk Valley Community College must possess a **minimum cumulative grade point average of 2.0 on a 4.0 scale**. SUNY Canton assures acceptance for Mohawk Valley Community College students who have **a cumulative GPA of 3.0 or better**. Students are encouraged to apply during their last semester at Mohawk Valley Community College.

Program Contact

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APPROVALS

Mohawk Valley Community College:



Timothy Thomas
Associate Dean for Physical Sciences,
Engineering and Applied Technology

1/10/17

Date

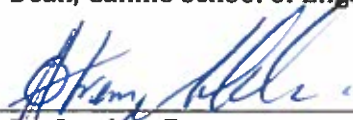
SUNY Canton:



Michael Newtown
Dean, Canino School of Engineering Technology

12/5/16

Date



Dr. Stephen Frempong
Curriculum Coordinator, Electrical Engineering
Technology

12/5/2016

Date

