

Appendix A: Transfer Course Equivalencies

Effective dates: November 1, 2019 through October 31, 2022

Rockland Community College A.S. – Engineering Science: General Track				SUNY Canton B.E.T.– Electrical Engineering Technology		
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
1				ELEC 161	Electronic Fabrications	2
	ENG 101 & SPE 101	College Writing I & Fundamentals of Speech	6	ENGL 101	Composition and the Spoken Word (GER 10)	3
	MAT 205	Calculus III (Course substitution)	4	MATH 123	Pre-Calculus (GER 1)	4
	ENR 106	Introduction to Engineering Design and Graphics	3	SOET 116	Introduction to CAD & Design	2
	ENR 206	Electric Circuits	4	ELEC 101 & ELEC 109	Electric Circuits I & Electric Circuits 1 Laboratory	4
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
2	ENR 107	Intro to Programming for Engineers	3	ENGS 102	Programming for Engineers	2
				ELEC 102 & ELEC 129	Electric Circuits II & Electric Circuits II Laboratory	4
	MAT 203	Calculus I	4	MATH 161	Calculus I (GER 1)	4
				ELEC 165 & ELEC 166	Digital Fundamentals & Systems & Digital Systems Lab	4
	ENG 102	College Writing II (GER 7)	3		English Literature (GER 7)	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
3	PHY 105	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
		General Education Elective (GER 4, 5, 6, 8 or 9)	3		GER Elective (3, 4, 5, 6, 8, 9)	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
4				ELEC 243	Computer Automated Control Systems	2
				ELEC 215	Electrical Energy Conservation	4
				ELEC 225	Telecommunications	3
	PHY 106	Engineering Physics II	4	PHYS 122/132 & PHYS 126/136	College/University Physics II & Lab	4
	MAT 204	Calculus II	4	MATH 162	Calculus II	4
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
5				ELEC 332	Industrial Electronics	3
				ELEC 343	Advanced Circuit Analysis	3
				SOET 377	Engineering Ethics	1
				MAT 263	Calculus III	4
				MATH 141	Statistics (I)	3
	MCS 101	Introduction to Multicultural Studies (GER 3)	3		GER Elective (3, 4, 5, 6, 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
	MAT 206	Differential Equations	4	MATH 364	Differential Equations	3
					GER Elective (3, 4, 5, 6, 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
	ENR 204	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 Or ELEC 488	Biomedical Electronics Or Electrical Power Systems	3
				SOET 370	Engineering Economics	3
	ENR 105	Introduction to Engineering	3		Program Elective	3
	ENR 210	Strength and Materials	3		Program Elective	3

	Accepted Transfer Credit Total	58	SUNY Program Credit Total	125
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Transfer credits for Rockland 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:

<u>Rockland Community College</u>			<u>SUNY Canton</u>		
Course #	Course Name	Cr	Course #	Course Name	Cr
CHM 101	Inorganic Chemistry I	4	CHEM 150	College Chemistry I	4
ENR 203	Engineering Statics	3	ENGS 201	Statics	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 – Engineering Science: General Track program at Rockland Community College must possess a **minimum cumulative grade point average of 2.0 on a 4.0 scale.** SUNY Canton **assures acceptance for Rockland Community College students who have a cumulative GPA of 3.0 or better.** Students are encouraged to apply during their last semester at Rockland Community College.

Program Contact

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SUNY Canton

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APPROVALS

Rockland Community College:



Dr. Michael A. Baston
President

11/1/19

Date



Dr. Susan Deer
Provost and Vice President of Academic Affairs and Student Services

11/1/19

Date

SUNY Canton:



Michael Newtown
Dean, Canino School of Engineering Technology

OCT 24, 2019

Date



Dr. Stephen Frempong
Curriculum Coordinator, Electrical Engineering
Technology

OCT 24, 2019

Date