

# Appendix A: Transfer Course Equivalencies

Effective dates: December 1, 2019 through November 30, 2022

<b>Rockland Community College</b>				<b>SUNY Canton</b>			
<b>A.A. – Liberal Arts and Science: Mathematics and Science – Math Track</b>				<b>B. Tech– Sustainable Energy Technology (1865)</b>			
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
<b>1</b>				ENGS 101	Introduction to Engineering	2	
	ENG 101 & SPE 101	College Writing I (GER 10) and 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	
	PHY 101 or 106	General Physics I or Engineering Physics I (Natural Science Elective)	4	PHYS 121 & PHYS 125	College Physics I & Physics I Lab (GER 2)**	4	
		Social Science Gen. Ed. Elective	3		GER Elective (3, 4, 5, 6, 7, 8 or 9) <sup>1</sup>	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
<b>2</b>	MAT 203	Calculus I	4	MATH 161	Calculus I (GER 1)	4	
	CAD 105	Introduction to AutoCAD (Elective)	4	SOET 116	Intro to Computer Drafting	2	
	PHY 102 or 106	General Physics II or Engineering Physics II (Science Elective)	4	PHYS 122 & PHYS 126	College Physics II & Physics II Lab (GER 2)**	4	
	ENG 102	College Writing II (GER 7)	3		GER Elective (3, 4, 5, 6, 7, 8 or 9) <sup>1</sup>	3	
					Program Elective <sup>2</sup>	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
<b>3</b>	MAT204	Calculus II	4	MATH 162	Calculus II	4	
	ENR 206	Electric Circuits (Elective)	4	ELEC 261	Electricity	4	
				MECH 241 & MECH 242	Fluid Mechanics & Fluid Power Lab	4	
	CHM 101	Inorganic Chemistry I (Elective)	4	CHEM 150	College Chemistry I (GER 2)	4	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
<b>4</b>				ELEC 141	Industrial Controls	2	
				ENGS 102	Programming for Engineers	2	
				ESCI 101	Introduction to Environmental Science (GER 2)	3	
	MAT 125	Statistics (Elective)	4	MATH 141	Statistics (GER 1)	3	
	MAT206	Differential Equations	4	MATH 341	Differential Equations (GER 1)	4	
		Other Worlds or The Arts Elective (GER 6 or 8)	3		GER Elective (3, 4, 5, 6, 7, 8 or 9) <sup>1</sup>	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
<b>5</b>				AREA 320	Experimentation & Measurement Lab I**	3	
				MECH 342	Thermodynamics	3	
				ACHP 324	HVAC Load Calculation	3	
				AREA	AREA Elective <sup>3</sup>	3	
				CAD	CAD Elective	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
<b>6</b>				AREA 370	Experimentation & Measurement Lab II**	3	
				MECH 343	Heat Transfer	3	
		General Education Elective (GER 4, 5, or 9)	3	AREA	AREA Elective <sup>3</sup>	3	
					GER Elective (3, 4, 5, 6, 7, 8 or 9) <sup>1</sup>	3	
				U/L Program Elective <sup>4</sup>	3		
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
<b>7</b>				ELEC 215	Electrical Energy Conversion	4	
				ACHP401	Building Automation Systems	3	
				SOET 361	Project Management	3	
				MECH 377	Capstone Research & Proposal	1	
				SOET 377	Engineering Ethics	3	
				AREA	AREA Elective <sup>3</sup>	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
<b>8</b>				MECH 477	Capstone Project	3	
				SOET 370	Engineering Economics	3	
				AREA	AREA Elective <sup>3</sup>	3	
					GER Elective (3, 4, 5, 6, 7, 8 or 9) <sup>1</sup>	3	
				U/L Program Elective <sup>4</sup>	3		
<b>Accepted Transfer Credit Total</b>			<b>58</b>	<b>SUNY Program Credit Total</b>			<b>126</b>



## Appendix A: Transfer Course Equivalencies

### Additional Notes

\*\* Fulfills writing intensive requirement.

L/L = Lower Level Courses (100/200)

U/L = Upper Level Courses (300/400)

GER = General Education Requirement

<sup>1</sup> Must complete 7 of 10 GER's and 30 credits

<sup>2</sup> Program Electives are lower level (100 or 200) from all ACHP, AREA, CITA, CONS< ELEC, MECH or SOET course listings

<sup>3</sup> AREA electives are upper level (300 or 400) from all AREA course listings

<sup>4</sup> Program Electives are upper level from all ACHP, AREA, CITA, CONS, ELEC, MATH, PHYS, MECH or SOET course listings

Student Learning Outcomes can be found at [www.canton.edu/csoet/sust/description.html](http://www.canton.edu/csoet/sust/description.html).

**STUDENT ELIGIBILITY:** Graduates of Associate of Arts – Liberal Arts and Science: Mathematics and Science – Math 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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## APPROVALS

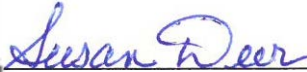
<School Name> Community College:



Dr. Michael A. Baston  
President

1/6/2020

Date



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

1/6/20

Date

SUNY Canton:



Michael Newtown  
Dean, Canino School of Engineering Technology

12/5/19

Date



Kibria Roman  
Curriculum Coordinator, Sustainable Energy Technology

12/4/19

Date