

# Appendix A: Transfer Course Equivalencies

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

	Rockland Community College A.A. – Liberal Arts and Science: Math and Science – Honors Track			SUNY Canton B. Tech– Mechanical Engineering Technology (0235)		
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
1	ENG 103 & SPE 107	College Writing I Honors (GER 10) and Fundamentals of Speech Honors	6	ENGL 101	Composition and the Spoken Word (GER 10)	3
		† Transfer credit option available		ENGS 101	Introduction to Engineering	2
	MAT 135	Pre-Calculus (Pre-requisite) (Elective)	4	MATH 123	Pre-Calculus (GER 1)	4
	PHY 110	Physics I Honors with Calculus (Lab Science Honors Elective)	4	PHYS 121/131 & PHYS 125/135	College/University Physics I & Physics Lab I (GER 2)	4
				MECH 121	Manufacturing Process I	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
2					CAD Elective	2-3
		† Transfer credit option available		CONS 172	Technical Statics	3
	MAT 201	Calculus I Honors	4	MATH 161	Calculus I (GER 1)	4
				MECH 128	Electromechanics	3
	PHY 111	Physics II Honors with Calculus (Lab Science Honors Elective)	4	PHYS 122/132 & PHYS 126/136	College/University Physics II & Physics Lab II	4
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
3		† Transfer credit option available		ELEC 261	Electricity	4
		† Transfer credit option available		ENGS 102	Programming for Engineers	
	MAT 202	Calculus II Honors	4	MATH 162	Calculus II	4
				MECH 241 & MECH 242	Fluid Mechanics & Fluid Power Lab	4
		† Transfer credit option available		CONS 272	Strength of Materials for Technology	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
4				MECH 220	Engineering Materials	3
				MECH 232	Machine Design	3
	CHM 101	Inorganic Chemistry I	4		Program Elective	3
	CHM 102	Inorganic Chemistry II	4		Program Elective	3
		Social Science General Education Elective (GER 3)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
5		† Transfer credit option available		MATH 364	Differential Equations	3
		† Transfer credit option available		MECH 301	Technical Dynamics	3
				MECH 342	Thermodynamics	3
				SOET 377	Engineering Ethics	1
		American History or Western Civilization Elective (GER 4 or 5)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3
				U/L Program Elective	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
6	MAT 126	Statistics – Honors (Honors Elective)	4	MATH 141	Statistics	3
				MECH 343	Heat Transfer	3
					U/L Program Elective	3
					U/L Program Elective	3
		General Education Elective (GER 6, 8 or 9)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
7				MECH 341	Intermediate Fluid Mechanics	3
				MECH 377	Capstone Research and Proposal	1
				SOET 361	Project Management	3
					U/L Program Elective	3
					U/L Program Elective	3
	ENG 104	College Writing II Honors (GER 7)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)*	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
8				MECH 477	Capstone Project	3
				SOET 370	Engineering Economics	3
					U/L Program Elective**	3
					U/L Program Elective**	3
	Accepted Transfer Credit Total		53	SUNY Program Credit Total		126

† Transfer credit option available

## Appendix A: Transfer Course Equivalencies

‡ Multiple transfer credit options available depending on elective courses selected. Credits for these requirements will be accepted as follows:

Rockland Community College A.A. – Liberal Arts and Sciences: Mathematics and Science – Honors Track			SUNY Canton B. Tech– Mechanical Engineering Technology (2250)		
Course #	Course Name	Cr	Course #	Course Name	Cr
	<i>Electives: Choose Two</i>				
ENR 105	Introduction to Engineering	3	ENGS 101	Introduction to Engineering	2
ENR 203	Engineering Statics	3	CONS 172	Technical Statics	3
CSP 141	Intro to Programming In C++	4	ENGS 102	Programming for Engineers	2
ENR 206	Electric Circuits	4	ELEC 261	Electricity	4
ENR 210	Strength and Materials	3	CONS 272	Strength of Materials for Technology	3
ENR 204	Engineering Dynamics (L/L course credit only)	3	MECH 301	Technical Dynamics	3
MAT 206	Ordinary Differential Equations (L/L course credit only)	4	MATH 364	Differential Equations	3
<b>Additional Accepted Elective Transfer Credits</b>		<b>6-8</b>	<b>Total Credits</b>		<b>4-7</b>

**TOTAL Credits Accepted for Transfer (from both tables above): 59-61**

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

Rockland Community College			SUNY Canton		
Course #	Course Name	Cr	Course #	Course Name	Cr
	Multicultural Studies Elective	3	GELE 299	L/L General Elective	3

### Additional Notes

\* Fulfills writing intensive requirement

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

GER = General Education Requirement

NOTE: Mechanical Engineering 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/mech/](http://www.canton.edu/csoet/mech/).

**STUDENT ELIGIBILITY:** Graduates of Associate of Arts – Liberal Arts and Sciences: Math and Science – Honors 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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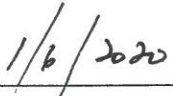
[craigl@canton.edu](mailto:craigl@canton.edu)

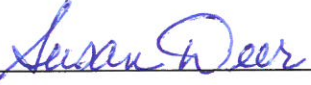
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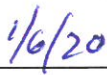
## APPROVALS

### Rockland Community College:

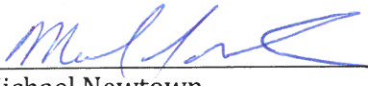
  
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Dr. Michael A. Baston  
President

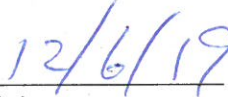
  
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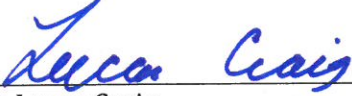
  
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Dr. Susan Deer  
Provost and Vice President of Academic Affairs and Student Services

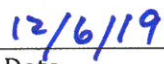
  
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### SUNY Canton:

  
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Michael Newtown  
Dean, Canino School of Engineering  
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Date

  
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