

Appendix A: Transfer Course Equivalencies

Effective dates: September 1, 2020 through August 31, 2023

SUNY Erie Community College A.S. – Engineering Science				SUNY Canton B. Tech– Industrial Technology Management (0935)		
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
1	EN 100	Composition I: Rhetorical Strategies	3	ENGL 101	Composition and the Spoken Word (GER 10)	3
	MT 181	Calculus and Analytic Geometry I	4		Physics or Chemistry or Math Elective ^{4,5}	4
	PH 280 & 281	Physics for Science & Engineering I & Lab	4		Program Elective ¹	3
	ES 207	Statics	3		Program Elective ¹	3
	ES 138 & 139	Engineering Concepts and Computer Skills for Engineers	1 1		Program Elective ¹	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
2				ACCT 101 -or- ACCT 104	Foundations of Financial Accounting Or Survey of Accounting	4
	MT 182	Calculus and Analytic Geometry II	4		Physics or Chemistry or Math Elective ^{4,5}	4
	PH 282 & 283	Physics for Science & Engineering II & Lab	4		Program Elective ¹	3
	CH 180 & 181	University Chemistry I & Lab	4		Program Elective ¹	3
	ES 209	Mechanics of Materials	3		Program Elective ¹	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
3	EC 102 or EC 103	Macroeconomics or Microeconomics (Gen. Ed. Elective) (GER 3)	3	ECON 101 -or- ECON 103 MATH 141	Macroeconomics (GER 3) -OR- Microeconomics (GER 3) Statistics (GER 1)	3 3
	MT 283	Calculus and Analytic Geometry III	4		Program Elective ¹	3
	ES 230	Engineering Problem Solving Using MATLAB	3		Program Elective ¹	3
		Gen. Ed. Elective (GER 8 or 9)	3		GER Elective ² (4, 5, 6, 7, 8, 9)	3
	Semester	Course #	Course Name	Cr	Course #	Course Name
4				BSAD 201	Business Law I	3
	MT 284	Introduction to Differential Equations (L/L course credit only)			Math Elective ⁴	3
	ES 204	Thermodynamics	4		Program Elective ¹	3
		Gen. Ed. Elective (GER 3, 4, 5, or 6)	3		GER Elective ² (4, 5, 6, 7, 8, 9)	3
	EN 102	Composition for the STEM Disciplines (GER 7) (General Education Elective)	3		GER Elective ² (4, 5, 6, 7, 8, 9)	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
5				BSAD 340	Management Communications*	3
				SOET 361	Project Management	3
					Program Elective ¹ (U/L)	3
	ES 200	Electrical Networks	4		Program Elective ¹	3
	ES 208	Dynamics	3		Program Elective ¹	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
6				BSAD 301	Principles of Management	3
				SOET 370	Engineering Economics	3
	ES 177 or 178	Introduction to 3D Modeling Using Creo Parametric or Civil Engineering CAD	2		Program Elective ¹	3
					Program Elective ¹	3
					U/L Liberal Arts/Science Elective	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
7				BSAD 449	Strategic Policies & Issues	3
				SOET 430	Systems Analysis	3
				SOET 377	Engineering Ethics	1
					Program Elective ¹ (U/L)	3
					Program Elective ¹ (U/L)	3
				U/L Liberal Arts/Science Elective	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
8				SOET 477	Engineering Technology Capstone Project	3
				SOET 348	Engineering Safety	1
					Program Elective ¹ (U/L)	3
					Program Elective ¹ (U/L)	3
					Business Elective ³ (U/L)	3
Accepted Transfer Credit Total			63	SUNY Program Credit Total		123

Additional Notes:

* Fulfills writing intensive requirement.

L/L = Upper Level Courses (100/200).

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

GER = General Education Requirement.

Program Electives: Any course from the Canino School of Engineering Technology, or the Business Department.

¹ All Program Elective courses presented for graduation must have at least a grade of "C" (or transfer credit).

Students in this program must take at least 45 upper division credits (course numbers 300/400) and a minimum of 30 Liberal Arts credits

² NOTE: Industrial Technology Management students must meet seven of the ten General Education Requirements. Three of the GERs (GER 1, 3, and 10) are met with existing curriculum course requirements. The remaining four GERs must be met by selecting one course each in four of the following seven areas: Natural Sciences (GER 2) American History (GER 4); Western Civilization (GER 5); Other World Cultures (GER 6); Humanities (GER 7); The Arts (GER 8); Foreign Language (GER 9).

³ A business elective (U/L) is an elective from business school upper division courses.

⁴ Minimum mathematics requirement is MATH 121 College Algebra or MATH 123 Pre-Calculus Algebra, or equivalent.

⁵ Physics or Chemistry Electives can be chosen from any course in PHYS or CHEM

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

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

Program Contact

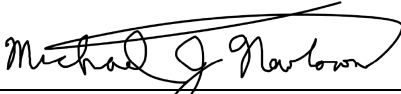
Dr. Christopher Sweeney, Program Director
SUNY Canton
34 Cornell Drive, NN 105
Canton, New York 13617
sweeneyc@canton.edu

APPROVALS

SUNY Erie Community College:

No signatures required

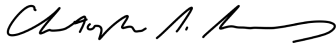
SUNY Canton:

A handwritten signature in black ink that reads "Michael J. Newtown".

Michael Newtown
Dean, Canino School of Engineering Technology

9/22/2020

Date

A handwritten signature in black ink that reads "Christopher A. Sweeney".

Dr. Christopher Sweeney
Program Director, Industrial Technology
Management

09/22/2020

Date
