

Appendix A: Transfer Course Equivalencies

Effective dates: *February 15, 2016* through *February 14, 2019*

Herkimer Community College A.S. – Engineering Science				SUNY Canton B. Tech– Mechanical Engineering Technology (0235)		
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
1	EN 111	English I – College Writing	3	ENGL 101 -or- ENGL 102	Expository Writing (GER 10) -OR- Oral and Written Expression (GER 10)	3
	SC 191	Introduction to Engineering	3	ENGS 101	Introduction to Engineering	2
	MA 247	Calculus III	4	MATH 123	Pre-Calculus Algebra (GER 1)	4
	SC 233	Calculus Physics I	4	PHYS 121/131 & PHYS 125/135	College/University Physics I & Physics Lab I (GER 2)	4
	SC 192	Engineering Science II	4		CAD Elective	2-3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
2	SC 238	Statics	3	CONS 172	Technical Statics	3
	IS 124	Princ of Programming I	3	ENGS 102	Programming for Engineers	2
	MA 245	Calculus I	4	MATH 161	Calculus I (GER 1)	4
				MECH 128	Electromechanics	3
	SC 234	Calculus Physics II	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				ELEC 261	Electricity	4
	MA 246	Calculus II	4	MATH 162	Calculus II	4
				MECH 241 & MECH 242	Fluid Mechanics & Fluid Power Lab	4
	SC 230	Strength of Materials	3	CONS 272	Strength of Materials for Technology	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
4	EN 112	English II – Intro to Lit (GER 7)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3
					Program Elective*	3
	SC 153	General Chemistry I	4		Program Elective	3
					Program Elective	3
					Program Elective	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
5				MATH 364	Differential Equations	3
	SC 239	Dynamics	3	MECH 301	Technical Dynamics	3
				MECH 342	Thermodynamics	3
				SOET 377	Engineering Ethics	1
		American History Elective (GER 4)	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				MATH 141	Statistics	3
				MECH 343	Heat Transfer	3
				SOET 348	Engineering Safety	1
					U/L Program Elective	3
					U/L Program Elective	3
	Arts Selective (GER 8)	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
				SOET 361	Project Management	3
					U/L Program Elective	3
					U/L Program Elective	3
	Humanities Selective (GER 7, 8, 9)	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
	Social Science Selective (GER 3, 4, 5, 6)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3	
Accepted Transfer Credit Total			61	SUNY Program Credit Total		126

† Transfer credit option available



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Transfer credits for Herkimer 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:

Herkimer Community College A.S. – Engineering Science			SUNY Canton		
Course #	Course Name	Cr	Course #	Course Name	Cr
SC 155	Biological Science I	4	BIOL 101	Introduction to Biology	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/.

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

Program Contact

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Appendix A: Transfer Course Equivalencies

APPROVALS

Herkimer Community College:




Alan Cronauer
Associate Dean of Academic Affairs

2-24-16

Date

SUNY Canton:



Michael Newtown
Dean, Canino School of Engineering Technology

2/15/2016

Date



Dan Miller
Curriculum Coordinator, Mechanical Engineering
Technology

2-15-16

Date

