

Appendix A: Transfer Course Equivalencies

Effective dates: August 1, 2017 through July 31, 2020

Dutchess County Community College A.S. – Engineering Science				SUNY Canton B. Tech– Mechanical Engineering Technology (0235)			
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
1	ENG 101	Composition I	3	ENGL 101 -or- ENGL 102	Expository Writing (GER 10) -OR- Oral and Written Expression (GER 10)	3	
	ENR 101	Introduction to Engineering	2	ENGS 101	Introduction to Engineering	2	
	MAT 223	Calculus III (course substitution)	4	MATH 123	Pre-Calculus Algebra (GER 1)	4	
	PHY 151	Engineering Physics I	4	PHYS 121/131 & PHYS 125/135	College/University Physics I & Physics Lab I (GER 2)	4	
	ENT 131	Technical Drawing	1		CAD Elective	2-3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
2	ENR 208	Engineering Statics	3	CONS 172	Technical Statics	3	
	ENR 102	Computer Programming for Engineers	3	ENGS 102	Programming for Engineers	2	
	MAT 221	Calculus I	4	MATH 161	Calculus I (GER 1)	4	
				MECH 128	Electromechanics	3	
	PHY 152	Engineering 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	ENR 201	Intro Elec Circuits & Networks (Technical Elective)	4	ELEC 261	Electricity	4	
	MAT 222	Calculus II	4	MATH 162	Calculus II	4	
				MECH 241 & MECH 242	Fluid Mechanics & Fluid Power Lab	4	
	ENR 204	Mechanics of Materials (Advanced Technical Elective)	4	CONS 272	Strength of Materials for Technology	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
4	BHS 103	Social Problems in Today's World (Appendix C)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3	
					Program Elective*	3	
	CHE 121	General Chemistry I	4		Program Elective	3	
	PHY 251	Engineering Physics III	4		Program Elective	3	
					Program Elective	3	
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr	
5	MAT 224	Differential Equations	4	MATH 364	Differential Equations	3	
	ENR 209	Engineering Dynamics (Advanced Technical Elective)	3	MECH 301	Technical Dynamics	3	
				MECH 342	Thermodynamics	3	
				SOET 377	Engineering Ethics	1	
		American History Elective (Appendix D)	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		‡ Transfer credit option available		MATH 141	Statistics	3	
				MECH 343	Heat Transfer	3	
				SOET 348	Engineering Safety	1	
					U/L Program Elective	3	
					U/L Program Elective	3	
	ENG 102	Composition II (Appendix G)	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	
		‡ Transfer credit option available			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	
		‡ Transfer credit option available			GER Elective (3, 4, 5, 6, 7, 8, 9)	3	
Accepted Transfer Credit Total			64	SUNY Program Credit Total			126



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

Dutchess County Community College A.S. – Engineering Science			SUNY Canton B. Tech– Mechanical Engineering Technology (2250)		
Course #	Course Name	Cr	Course #	Course Name	Cr
Suggested:					
MAT 118	Elementary Statistics	3	MATH 141	Statistics	3
	GER Elective (3, 4, 5, 6, 7, 8, 9)*	3		GER Elective (3, 4, 5, 6, 7, 8, 9)*	3
	GER Elective (3, 4, 5, 6, 7, 8, 9)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3
Additional Accepted Elective Transfer Credits		9	Total Credits		9

TOTAL Credits Accepted for Transfer (from both tables above): 73

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 Dutchess County Community College must possess a **minimum cumulative grade point average of 2.0 on a 4.0 scale**. SUNY Canton **assures acceptance for Dutchess County Community College students who have a cumulative GPA of 3.0 or better**. Students are encouraged to apply during their last semester at Dutchess County Community College.

Program Contact

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