



**Master Articulation Agreement and
MECHANICAL ENGINEERING TECHNOLOGY
course equivalencies
Between
State University of New York (SUNY) Canton
and
Jamestown Community College**

Effective date: September 15, 2017

This articulation agreement is intended to facilitate the transfer of graduates from **Jamestown Community College** to **SUNY Canton**. The objectives, terms and conditions of this agreement are set forth as follows:

OBJECTIVES

1. To attract qualified students to Jamestown Community College and SUNY Canton.
2. To facilitate upward educational and career mobility by increasing accessibility to baccalaureate education for qualified individuals.
3. To provide students with advisement in academic and career planning throughout their program of study.
4. To reduce unnecessary repetition of general education and curricular content by providing seamless articulation opportunities.
5. To facilitate communication and academic coordination between faculty, students, and administrators at each institution.

ELIGIBILITY/ADMISSION REQUIREMENTS

1. Students must complete the admission process at SUNY Canton.
2. Students must meet the academic requirements listed in the "*Terms of Agreement*."

TERMS OF AGREEMENT

Students who have completed an associate's degree program at Jamestown Community College will be accepted into their choice of bachelor's degree program at SUNY Canton.

STUDENT ELIGIBILITY: Graduates of Jamestown Community College must possess a **minimum cumulative grade point average of 2.0 on a 4.0 scale** to transfer to SUNY Canton. SUNY Canton **assures acceptance into their choice of degree program as detailed below for Jamestown Community College students who have a cumulative GPA of 3.0 or better**.¹ Students are encouraged to apply during their last semester at Jamestown Community College.

TRANSFER CREDIT: A grade of C or better must be earned for a course to transfer as meeting a requirement for the bachelor's degree. (See each attached *Appendix A* for transfer course equivalencies.)



OPPORTUNITY TO GRADUATE: Each attached Appendix A includes a course equivalency chart to facilitate transfer from Jamestown Community College to a SUNY Canton bachelor's degree program. Graduates of Jamestown Community College who transfer a minimum of 54 credits from the courses listed in the appropriate Appendix A will have the opportunity to earn the bachelor's degree with four consecutive semesters of coursework through SUNY Canton. Note that each Appendix A lists courses in an eight-semester sequence which is followed by non-transfer students who begin their coursework at SUNY Canton, and that Jamestown Community College students are not required to take the equivalent courses in any specific semester sequence. Note also that each attached Appendix A lists all Jamestown Community College courses that have approved for transfer toward meeting requirements for a bachelor's degree, and that students can typically transfer more than the 60 credits required for a Jamestown Community College associate's degree.

DEGREE REQUIREMENTS: SUNY Canton requires that 120 or more¹ credits be completed to earn a bachelor's degree, with a minimum of 30 credits taken in residence at SUNY Canton. Fifteen credits of courses in the major or acceptable cognates as determined by the department at SUNY Canton must be taken. Students will be required to matriculate in accordance with the guidelines specified in the policies of the academic catalog in effect at the date of matriculation.

IMPLEMENTATION: Students transferring under this agreement into SUNY Canton will, whenever possible, be provided with a projected outline of their individual requirements for the bachelor's degree.

LOCATION: SUNY Canton reserves the right to use classroom space at alternative locations and to offer all, or part, of any degree program online.

FINANCIAL AID: A student accepted into SUNY Canton under this agreement is eligible to participate in all financial aid, grants, and scholarship programs customarily open to transfer students.

¹ *Exceptions may apply. Program-specific requirements are stated on each individual program's current course equivalency chart which accompanies this master agreement.*

See the following pages for Mechanical Engineering Technology information.

Appendix A: Transfer Course Equivalencies

Effective dates: August 1, 2016 through July 31, 2019

Jamestown Community College				SUNY Canton B. Tech- Mechanical Engineering Technology (0235)		
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
	ENG 1530	English Composition II (SUNY GER 10)	3	ENGL 101 -or- ENGL 102	Expository Writing (GER 10) -OR- Oral and Written Expression (GER 10)	3
	ENR 1560	Introduction to Engineering and Engineering Design	2	ENGS 101	Introduction to Engineering	2
	MAT 1600	Precalculus (SUNY GER 1)	4	MATH 123	Pre-Calculus Algebra (GER 1)	4
	PHY 1710	Analytical Physics I (SUNY GER 2)	4	PHYS 121/131 & PHYS 125/135	College/University Physics I & Physics Lab I (GER 2)	4
	ENR 1560	Introduction to Engineering and Engineering Design	2		CAD Elective (SOET 116 - Intro to CAD)	2-3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
	ENR 2550	Mechanics-Statics	3	CONS 172	Technical Statics	3
				ENGS 102	Programming for Engineers	2
	MAT 1710	Calculus and Analytic Geometry I (SUNY GER 1)	4	MATH 161	Calculus I (GER 1)	4
				MECH 128	Electromechanics	3
	PHY 2710	Analytical Physics II (SUNY GER 2)	4	PHYS 122/132 & PHYS 126/136	College/University Physics II & Physics Lab II	4
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
	ELEC 1200	Fundamentals of Electricity	3	ELEC 261	Electricity	4
	MAT 1720	Calculus and Analytic Geometry II (SUNY GER 1)	4	MATH 162	Calculus II	4
				MECH 241 & MECH 242	Fluid Mechanics & Fluid Power Lab	4
	ENR 2580	Strength of Materials	3	CONS 272	Strength of Materials for Technology	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
		General Education Elective (SUNY GER 3, 4, 5, 6, 7, 8, or 9)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3
		Any CHE, ENR, MAT, MCT, or PHY course (Must be writing intensive)	3-4		Program Elective*	3
		Any CHE, ENR, MAT, MCT, or PHY course	3-4		Program Elective	3
		Any CHE, ENR, MAT, MCT, or PHY course	3-4		Program Elective	3
		Any CHE, ENR, MAT, MCT, or PHY course	3-4		Program Elective	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
	MAT 2680	Ordinary Differential Equations (L/L course credit only)	3	MATH 364	Differential Equations	3
	ENR 2560	Mechanics-Dynamics	3	MECH 301	Technical Dynamics	3
	ENR 2510	Thermodynamics	4	MECH 342	Thermodynamics	3
				SOET 377	Engineering Ethics	1
		General Education Elective (SUNY GER 3, 4, 5, 6, 7, 8, or 9)	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
	MAT 1540	Elementary Statistics	3	MATH 141	Statistics	3
				MECH 343	Heat Transfer	3
				SOET 348	Engineering Safety	1
					U/L Program Elective	3
					U/L Program Elective	3
		General Education Elective (SUNY GER 3, 4, 5, 6, 7, 8, or 9)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
				MECH 341	Intermediate Fluid Mechanics	3
				SOET 361	Project Management	3
					U/L Program Elective	3
					U/L Program Elective	3
		General Education Elective (SUNY GER 3, 4, 5, 6, 7, 8, or 9)	3		GER Elective (3, 4, 5, 6, 7, 8, 9)*	3
Semester	Course #	Course Name	Cr	Course #	Course Name	Cr
				MECH 477	Capstone Project	3
				SOET 370	Engineering Economics	3
					U/L Program Elective**	3



Appendix A: Transfer Course Equivalencies

				U/L Program Elective**	3
		General Education Elective (SUNY GER 3, 4, 5, 6, 7, 8, or 9)	3	GER Elective (3, 4, 5, 6, 7, 8, 9)	3
Accepted Transfer Credit Total			76-80	SUNY Program Credit Total	126

Course Description: <https://www.sunyjcc.edu/academics/college-catalog/course-descriptions/college-catalog-course-descriptions>

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/.

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Program Contact

Dan Miller, Curriculum Coordinator, Mechanical Engineering Technology
 SUNY Canton
 34 Cornell Drive, NN 105
 Canton, New York 13617
 (315)386-7217
miller@canton.edu