

Articulation Verification: Course to Course Alignment

WESTCHESTER COMMUNITY COLLEGE					NEW YORK INSTITUTE OF TECHNOLOGY				
Degree: A.S.					Degree: Bachelor of Science				
Program of Study: Engineering Science					Program of Study: Mechanical Engineering				
Course Prefix	Course Number	Title	Cr.	√	Course Prefix	Course Number	Title	Cr.	CR. APPLY TO 4 YR. DEGREE
CORE REQUIREMENTS (43)									
ENG	101	Writing and Research	3		FCWR	101	Writing I	3	3
ENG	102	Writing and Literature	3		FCWR	151	Writing II	3	3
MATH	181	Calculus 1	4		MATH	170	Calculus I	4	4
MATH	191	Calculus 2	4		MATH	180	Calculus II	4	4
MATH	230	Calculus 3	4		MATH	260	Calculus III	4	4
MATH	240	Differential Equations	4		MATH	320	Differential Equations	3	3
CHEM	107	Inorganic Chemistry 1 (and Lab)	5		CHEM	107	Engineering Chemistry	4	4
PHYS	121	Engineering Physics 1 (and Lab)	5		PHYS	170	General Physics I	4	4
PHYS	122	Engineering Physics 2 (and Lab)	5		PHYS	180	General Physics II	4	4
							STEM Elective <i>(Based on remaining MATH)</i>	3	3
		Social Sciences - see SUNY Gen. Ed. Courses Recommended - PSYCH, SOC, or ANTHR	3		ICBS	ELEC	Behavioral Science Seminar*	3	3
		American History, The Arts, Foreign Language, Other World Civilizations, Western Civilization-see SUNY Gen. Ed. courses (Select ONE course)	3		LAEL	ELEC	Liberal Arts Elective	3	3
DEGREE REQUIREMENTS (10)									
COMSC	101	Computer Programming 1	4		MENG	201	Engineering Programming	3	3
MECH	109	Intro to Engineering	3		ETCS	105	Career Discovery	2	2
MECH	126	Statics	3		MENG	211	Engineering Mechanics I (Statics)	3	3
		Select ONE of the following FOUR paths to complete the remaining degree requirements: (12)							
		Mechanical Engineering Concentration	12						
CIVIL	221	Strength of Materials			MENG	221	Strength of Materials	3	3
ELEC	255	Circuits for Engineers			EENG	211	Electrical Circuits I	3	3
MECH	127	Introduction to Thermodynamics			MENG	240	Thermodynamics	3	3
MECH	227	Dynamics			MENG	212	Engineering Mechanics II (Dynamics)	3	3
TOTAL								62	62
NOTES:									
WCC general education "gen. ed." course options are located at www.sunywcc.edu/gened									
NYIT: Grade of C- or higher is required to receive transfer credit for major courses									
NYIT: *Transfer substitution awarded on the basis of this agreement <i>(New York Tech 2021-22 Catalog)</i>									
NYIT: ABET accredited program									
Minimum Total Credits = 65									