

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:		Construction Engineering		
Course Prefix	Course Number	Title	Cr.	√	Course Prefix	Course Number	Title	Cr.	CR. APPLY TO 4 YR. DEGREE
<b>CORE REQUIREMENTS (43)</b>									
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 extra MATH, Ph</i>	3	3
		Social Sciences - see SUNY Gen. Ed. Courses <b>Recommended</b> - 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 <b>(Select ONE course)</b>	3		LAEL	ELEC	Liberal Arts Elective	3	3
<b>DEGREE REQUIREMENTS (10)</b>									
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
		<b>Select ONE of the following FOUR paths to complete the remaining degree requirements: (12)</b>							
		<b>Civil Engineering Concentration</b>	12						
CIVIL	214	Surveying 1			CENG	301	Surveying and Geomatics	3	3
CIVIL	221	Strength of Materials			MENG	221	Strength of Materials	3	3
MECH	227	Dynamics			MENG	212	Engineering Mechanics II (Dynamics)	3	3
		ONE of the following courses: BIOL 101 - Principles of Biological Science (and Lab) CHEM 111 - Inorganic Chemistry 2 (and Lab) PHYS 143 - Earth Science (and Lab)					Technology Elective**	3	3
<b>TOTAL</b>								<b>62</b>	<b>62</b>
<b>NOTES:</b>									
WCC general education "gen. ed." course options are located at <a href="http://www.sunywcc.edu/gened">www.sunywcc.edu/gened</a>									
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 <span style="float: right;"><i>(New York Tech 2021-22 Catalog)</i></span>									
NYIT: **Transfer substitution awarded by department on the basis of this agreement									
NYIT: ABET accredited program									
<b>Minimum Total Credits = 65</b>									