

Articulation Verification: Course to Course Alignment

WESTCHESTER COMMUNITY COLLEGE					NEW YORK INSTITUTE OF TECHNOLOGY				
Degree:		A.A.S.			Degree:		B.S.		
Program of Study:		Electrical Technology			Program of Study:		Electrical and Computer Engineering Technology		
Course Prefix	Course Number	Title	Cr.	Ö	Course Prefix	Course Number	Title	Cr.	CR. APPLY TO 4 YR. DEGREE
CORE REQUIREMENTS									
ENG	101	Writing and Research	3		FCWR	101	Writing I	3	3
ENG	102	Writing and Literature	3		FCWR	151	Writing II	3	3
Mathematics									
MATH	131	College Algebra	4		MATH	135	Fundamentals of Precalculus I	4	4
MATH	161	Precalculus (Functions and Coordinate Geometry)	4		MATH	136	Fundamentals of Precalculus II	4	4
Natural Sciences									
PHYS	111	College Physics 1	4		PHYS	130	Introductory Physics <i>and</i> PHYS Electi	4	4
PHYS	112	Natural Sciences - LAB course required PHYS 112 - College Physics 2	4		PHYS	150	Introductory Physics II <i>and</i> PHYS Elec	4	4
The Arts, Foreign Language, Other World Civilizations									
		Select a course from ONE of the following categories: The Arts, Foreign Language, or Other World Civilizations, see SUNY General Education courses							
					LAEL	ELEC	Liberal Arts Elective	3	3
American History, Social Sciences, or Western Civilization									
		Select a course from ONE of the following categories: American History, Social Sciences, or Western Civilization - see SUNY General Education Courses							
					LAEL	ELEC	Liberal Arts Elective	3	3
DEGREE REQUIREMENTS									
CIVIL	103	Intro to Technology	3				Credits balance ETEC 110, ETEC 120 ,and CTEC 216		
ELEC	128	Electrical Circuits	3		ETEC	110	Electrical Technology I	4	4
ELEC	129	Digital Logic	3		CTEC	216	Digital Electronics	4	4
ELEC	137	Alternating Current and Non-Sine Waves	3		ETEC	120	Electrical Technology II	4	4
ELEC	160	Electronics	3		ETEC	131	Electronics Technology I	4	4
ELEC	204	Electrical Machinery	3				Credit balances ETEC 310 (1)		
ELEC	207	Instrumentation and Control Systems	3				Credits balance ETEC 131, ETEC 231, and CTEC 235		
ELEC	218	Introduction to Microprocessors	3		CTEC	235	Microcomputers 1	4	4
ELEC	239	Analog Circuits	3		ETEC	231	Electronics Technology II	4	4
ELEC	282	Electronic Communication	3		ETEC	310	Communication Circuits	4	4
Major Electives (2 courses)									
ELEC	211	Photovoltaic System Design							
ELEC	228	Energy Conversion and Power							
ELEC	240	Advanced Electronics							
MECH	162	Autodesk AutoCAD							
PHYS	130	Physics Survey for Technicians							
TOTAL			64					62	62
NOTES:									
SUNY WCC general education "gen. ed." course options are located at https://catalog.sunywcc.edu/preview_program.php?catoid=42&poid=3796									
NYIT: *Transfer substitution awarded on the basis of this agreement (New York Tech 2021-22 Catalog)									