WESTCHESTER COMMUNITY COLLEGE					SUNY Poly			
Degree:	A.A.S.				Degree:	B.S.		
Program of Study:	Mechanical Technology				Program of Study:	Mechanical Engineering Technology		
Course Prefix	Course Number	Title	Cr.	√	Course Prefix	Course Number	Title	Cr.	CR. APPLY TO 4 YR. DEGREE
CORE REQUIREMENTS									
ENG	101	Writing and Research	3		ENG	101			3
ENG	102	Writing and Literature	3				SUNY Gen ED Humanities		3
MATH	131	College Algebra	4		MAT	110	College Algebra		4
MATH	161	Precalculus (Functions & Coordinate Geometry)	4		MAT	120	Precalculus		4
PHYSC	101	Technical Physics 1 - Mechanics (and Lab)	4		PHY	101	General Physics I		4
		Select a course from ONE of the following categories:	3				SUNY Gen ED		3
		The Arts, see SUNY Gen Ed Courses							
		Foreign Languages, see SUNY Gen Ed Courses							
		Other World Civilizations, see SUNY Gen Ed Courses							
		Select a course from ONE of the following categories:	3				SUNY Gen ED		3
		American History, see SUNY Gen Ed Courses							
		Social Sciences, see SUNY Gen Ed Courses							
		Western Civilization, see SUNY Gen Ed Courses							
DEGREE REQUIREMENTS									
CIVIL	201	Elements of Strength of Materials	3		MTC	101	Intro to Engr. Technology		3
ELEC	128	Electrical Circuits	3		ETC	102	Circuits		3
MECH	120	Mechanisms	3		MTC	Elective	Lover level Mech Elective		3
MECH	127	Introduction to Thermodynamics	3		MTC	352	Thermodynamics		3
MECH	144	Manufacturing 1	3		MTC	211T	Manufacturing Processes Theory		3
MECH	145	Manufacturing 2	3		MTC	211L	Manufacturing Processes Lab		2
MECH	156	Fluids	3		MTC	264T	Fluids Theory		3
MECH	162	Autodesk AutoCAD	3		MTC	162	Autocad		3
MECH	289	Manufacturing Process	3		MTC	136	Materials Science		3
		Physical Education Elective, select from courses with a prefix of PE, PEC, PEH, or PES.	1						
		Technical Electives (minimum of 9 credits):	9						
ELEC	160	Electronics (3 credits)							
MATH	181	Calculus 1 (4 credits)			MAT	151	Calculus I		4
MATH	191	Calculus 2 (4 credits)							
MECH	224	CNC Programming (3 credits)							
MECH	255	Solidworks (3 credits)			MTC	240	Solid Modeling; 3D Printing		3
MECH	265	Autodesk Inventor (3 credits)							
PHYSC	102	Technical Physics 2 - Heat, Light, Sound (and Lab) (4 credits)			PHY	102	General Physics 2		4
PHYSC	165	Principles of Energy (3 credits)							
TOTAL			61					0	61
NOTES:									
SUNY WCC general education "gen. ed." course options are located at https://catalog.sunywcc.edu/preview_program.php?catoid=42&poid=3796									