	Transfer Map	
CCBC		

Community College of Beaver County		Pittsburgh Technical College
Mechatronics AAS		**Electronics Engineering Technology AS**
Associate in Science 724-480-3452		

First Year - Freshman						
First Semester – 15 credits						
MECH100	Mechatronics and Industry 4.0	3				
MECH110	Manufacturing Technology: Math, Technology, and Reasoning	3		ELT 102	Math for Engineering Tech	4
MECH115	Fluid Power Systems	3				
MECH120	Introduction to Mechanical Systems	3				
MECH130	Electrical Systems	3		ELT 105	Electricity	7
Second Semester – 18 Credits						
MECH 140	Manufacturing Technology: Processes, Controls, & Quality	3				
MECH142	Industrial Power Systems	3				
MECH145	Motors and Motor Controls	3				
MECH150	Programmable Logic Controller (PLC) 1	3		ELT 246	Control System Electronics	7
MECH155	Digital Electronics	3		ELT 148	Digital Electronics	7
MECH160	Introduction to Robotics	3		ELT 248	Robotics	4

Second Year - Sophomore						
Third Semester – 16 credits						
Course ID	Course Name	Credits		Course ID	Course Name	Credits
PHYS101	College Physics I	4			Physics for Engineering Technology **Or** Physical Science	4
PTEC102	Safety, Health, and Environment	3		GEM 166	College Algebra	4
ENGR120	Engineering CAD and Drafting	3		CAD 114	Auto CAD	3
MATH130	College Algebra	3		GEM 166	College Algebra	4
COMM110 **OR** COMM201	Interpersonal Communication **OR** Public Speaking	3		GEE 212	Effective Speech	4

Fourth Semester – 12 Credits						
Course ID	**Course Name**	**Credits**		**Course ID**	**Course Name**	**Credits**
MECH280	Brazing and Welding	3				
MECH296 **OR** MECH298	Mechatronics Capstone **OR** Cooperative Education	3 3		GSI 199	Internship	12
WRIT101	English Composition	3		GEE 101	English Comp I	4
SOCI231 **OR** PHIL110	Cultural Diversity **OR** Introduction to Ethics	3 3		GES 151	Critical Thinking	4
Additional Courses that Apply to the Degree						
Students must complete a minimum of 15 credits at CCBC						
The credit transferability is at the accepting institution's sole discretion.						