



**CAREER AND TECHNICAL EDUCATION INFORMATION SYSTEM
PENNSYLVANIA DEPARTMENT OF EDUCATION
SCOPE AND SEQUENCE
FOR SCHOOL YEAR 2013-2014**

DATE : 8/1/2013

Articulation Agreement between Greater Altoona CTC

and Statewide Articulation Agreement

Secondary School Name : Greater Altoona CTC

AUN: 108070607

CIP Code Number and Title : 15.0303 Electrical, Electronic and Communications Engineering

Program Type : Program of Study

Subject (Hours)	Secondary School				Postsecondary Institution			
	Grade 9 (Hours)	Grade 10 (Hours)	Grade 11 (Hours)	Grade 12 (Hours)	First Semester	Second Semester	Third Semester	Fourth Semester
Technical (1485)		Safety/Electrical Quantities & Components(70)	Safety/Alternating Current/Oscilloscope(85)	Safety/Junction Diodes/Power Supplies(70)	TBD			
		Instrumentation/Ohm's Law(70)	Inductance/Inductive Reactance (85)	Transistor Characteristics/ Small Signal Amplifiers				
		Series Circuits(70)	Resistor Inductor Circuits in AC/Transformers (85)	Operational Amplifiers/Troubleshooting(70)				
		Series Circuits(70)	Capacitance/Capacitive Reactance(85)	Basic Digital Electronics(100)				
		Series-Parallel Circuits(70)	RC Circuits/RLC Circuits(85)	Electronic Communications/Motors(70)				
		Basic Network Theorem(70)	Resonance(70)	HTI/Alternate Energy(75)				
		Soldering(75)		Nanotechnology /History of Electronics(40)				
English	College Prep English I	College Prep English II	College Prep English III	College Prep English IV				
Math	Algebra I	Algebra II	Geometry	College Prep Math				
Science	Biology	Chemistry	Physics					
Humanities	Civics	U.S. History	World History					
Other	Foreign Language I	Foreign Language II						



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Other								

Subject	Dual Enrollment Credits			Articulated Credits		
	Course Number	Course Description	Credit Hours	Course Number	Course Description	Credit Hours
Technical	TBD	TBD	1.0	TBD	TBD	1.0
English						
Math						
Science						
Humanities						
Other						