



**CAREER AND TECHNICAL EDUCATION INFORMATION SYSTEM
PENNSYLVANIA DEPARTMENT OF EDUCATION
SCOPE AND SEQUENCE
FOR SCHOOL YEAR 2009-2010**

DATE : 2/3/2009

CIP Code Number and Title : 11.0201 Computer Programming/Programmer, General

Program Type : Occupational

Secondary School Name : Greater Altoona CTC

Administrative Unit Number : 108070607

Subject(Hours)	Secondary School				Postsecondary Institution			
	Grade 9(Hours)	Grade 10(Hours)	Grade 11(Hours)	Grade12(Hours)	First Semester	Second Semester	Third Semester	Fourth Semester
Technical(1080)		Fundamental Computer Concepts(15)	Intro to RPG II Programming(30)	Intermediate RPG II Programming(90)				
		Intro to Logic/Flowcharting (45)	Oracle Database Fundamentals(60)	Advanced RPG II Programming(90)				
		Intro to COBOL Programming(30)	Elementary RPG II Programming(30)	Intro to Visual BASIC (90)				
		Advanced Flowcharting (30)	Oracle Database Fundamentals(60)	Advanced Visual BASIC (90)				
		Elementary COBOL Programming(60)	Oracle Database Programming-SQL(90)					
		Intermediate COBOL Programming(90)	Oracle Database Programming-Certification Prep(90)					
		Advanced COBOL Programming(90)						
English		English, Applied Communications II	English, Applied Communications III	English, Applied Communications IV				
Math		Geometry, Algebra II, Algebra I	Algebra III/Trig., Geometry, Algebra II	Calc, Stats/Prob., Algebra III/Trig, Algebra II, I				
Science		Chemistry, Biology	Physics, Chemistry, Science Elective	Physics, Chemistry, Science Elective				



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Science								
Humanities		American History	World Studies	World Studies, POD, History Elective				
Other								

Subject	Dual Enrollment Credits			Articulated Credits		
	Course Number	Course Description	Credit Hours	Course Number	Course Description	Credit Hours
Technical						
English						
Math						



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Subject	Course Number	Course Description	Credit Hours	Course Number	Course Description	Credit Hours
Math						
Science						
Humanities						
Other						