

Scope and Sequence Information Technology - Applications



Academic Subjects – Career success and postsecondary education success require the same level of college prep coursework. The Pennsylvania Department of Education’s (PDE) focus is to ensure that every student is prepared for college and a career. Academic courses such as applied math or general science cannot be listed on the program’s scope and sequence. PDE’s goal is to have all students perform at the competent or advanced level on the PSSA, and earn the Pennsylvania Skills Certificate on the end-of-program assessment.

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		Orientation & Safety	Java/Methods/Classes/Objects	Database Administration				
		Understanding Computers/Maintenance & Fundamentals	Fundamentals of Programming/System Development	Office Procedures & Service Communications				
		Windows Management/Edit/Format/Enhance/Share	Graphics/Inheritance/Swing Components	Senior Project/Business/Technical Documents				
		Communication/Network/Internet/Technology	Exception Handling/Input/Output	Business Law & Ethics				
		Productivity Software	Communication Skills	Job Seeking/Keeping Skills				
		Job Seeking/Keeping Skills	Job Seeking/Keeping Skills					
English	College Prep English 9	College Prep English 10	College Prep English 11	College Prep English 12				
Math	Algebra I	Geometry	Algebra II	Trigonometry				
Science	Accl Integrated Science	Biology	Chemistry	Physics				
Humanities	Citizenship	World Cultures	American History I	American Government				
Other	Physical Education	Physical Education	Physical Education	Physical Education				
	Health	Health	Driver's Ed Theory					