

# Scope and Sequence Information Technology – Web Design



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 to Web Design	Create a web page in HTML, XHTML, Dynamic HTML	Advanced use of HTML, XHTML,	CSC 110: Intro to Info Technology	CIT 171: Introduction to Networking	CIT 250: Creating Web Applications	_WTC: Elective: WTC
		Computer Basics	Adobe Photoshop	Advanced Adobe Photoshop	CIT 150: Introduction to Web Page Development	CIT 180: Introduction to Database	CIT 250: Database Development	CIT 230: Fundamentals of Information Security
		Basic Computer use in Web Design	Adobe Dreamweaver	Advanced Adobe Dreamweaver	CIT 160: Introduction to Programming	CIT 260: Programming 11	_WTE: Elective: WTE	CIT 346: Requirements Analysis
		Computers & Society	Adobe Flash	Advanced Adobe Flash				_WTE: Elective: WTE
		Introduction to HTML	Job Seeking/Keeping Skills	Adobe Illustrator				
		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	ENL 111: English Comp I	ENL 121: English Comp II		
						ENL 201: Technical & Professional Communication		
Math	Algebra I	Geometry	Algebra II	Trigonometry	_MTH: Elective: MTH Math			
Science	Accl Integrated Science	Biology	Chemistry	Physics			SCI: Science Elective	
Humanities	Citizenship	World Cultures	American History I	American Government				_HUM: Elective: HUM/SSE/ART/FOR /AAE
Other	Physical Education	Physical Education	Physical Education	Physical Education			FIT: Elective: Fitness	
	Health	Health	Driver's Ed Theory		OIT 101: Keyboarding & Its Applications			