

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.

	SECONDARY				POSTSECONDARY based on PENN COLLEGE OF TECHNOLOGY			
	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade	Semester One	Semester Two	Semester Three	Semester Four
Technical Units		Orientation to Web Design Computer Basics Basic Computer use in Web Design Computers & Society Introduction to HTML Job Seeking/Keeping Skills	Create a web page in HTML, XHTML, Dynamic HTML Adobe Photoshop CS3 Adobe Dreamweaver CS3 Adobe Flash CS3 Job Seeking/Keeping Skills	Advanced use of HTML, XHTML, Dynamic HTML Advanced Adobe Photoshop CS3 Advanced Adobe Dreamweaver CS3 Advanced Adobe Flash CS3 web design and site management / legal issues	CSC 110: Intro to Info Technology CIT 150: Introduction to Web Page Development CIT 160: Introduction to Programming	CIT 171: Introduction to Networking CIT 180: Introduction to Database CIT 260: Programming 11	CIT 250: Creating Web Applications CIT 250: Database Development _WTE: Elective: WTE	_WTC: Elective: WTC CIT 230: Fundamentals of Information Security CIT 346: Requirements Analysis _WTE: Elective: WTE
English	College Prep English I	College Prep English II	College Prep English III	College Prep English IV	ENL 111: English Comp I	ENL 121: English Comp II ENL 201: Technical & Professional Communication		
Math	Algebra I	Algebra II	Geometry	College Prep Math (recommended)	_MTH: Elective: MTH Math			

Science	Biology	Chemistry	Physics			SCI: Science Elec		
Humanities	Civics	American History	World Studies					_HUM: Elective: HUM/SSE/ART/FO R /AAE
Other Required Courses/ Electives	Foreign Language I (recommended)	Foreign Language II (recommended)			OIT 101: Keyboarding & Its Applications		FIT: Elective: Fitness	