

Scope and Sequence Electronics & Communication Technology



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	Semiconductor Circuits	Logic Systems	EET 114: Introduction to Digital Electronics	EET 154: Introduction to Microprocessors	EET 204 Network Installation and Maintenance	EET 202: Microprocessor Interfacing
		Construct & Evaluate D.C. Circuits	Transistor Amplifier Circuits	Computer Systems	EET 115 Digital Circuits Applications	EET 155: Microprocessor Applications 1	EET 205 network maintenance lab	EET 203: Microprocessor Applications II
		Analyze & Evaluate D.C. Network Theorems	Transistor Power Amplifier Circuits	Radio and RF	EET 116: Electronic Circuits and Devices I	EET 156: Electronic Circuits and Devices II	EET 206 Linear Integrated Circuits	
		Magnetic/Electromagnetic Principles	Transistor Feedback Circuits	Advanced Fabrication Skills	EET 118: Introduction to Engineering Technology	EET 158 Software Tools For the Engineering Technology		
		A.C. Circuits	Power Supply Regulation Circuits	Job Skills	CSC 110: Introduction to Introduction to Info Techno			
		Testing Instruments	FET & Thyristor Circuits	Nanotech				
		Fabrication Skills	Intermediate Fabrication 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		ENL 111: English Comp I		ENL 121: English Comp II
Math	Algebra I	Algebra II	Geometry	Trigonometry	MTH 190: Pre Calculus	MTH 240: Calculus I	MTH 242: Calculus II	
Science	Accl Integrated Science	Biology	Chemistry	Physics			PHS 201 General Physics I	PHS 202 General Physics II
Humanities	Citizenship	World Cultures	American History I	American Government				HUM Elective
Other	Physical Education	Physical Education	Physical Education	Physical Education				
	Health	Health	Driver's Ed Theory					