

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.

	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 Construct & Evaluate D.C. Circuits Analyze & Evaluate D.C. Network Theorems Magnetic/Electromagnetic Principles A.C. Circuits Testing Instruments Fabrication Skills Job Seeking/Keeping Skills	Semiconductor Circuits Transistor Amplifier Circuits Transistor Power Amplifier Circuits Transistor Feedback Circuit Power Supply Regulation Circuits FET & Thyristor Circuits Intermediate Fabrication Skills Job Seeking/Keeping Skills	Logic Systems Computer Systems Radio & RF Advanced Fabrication Skills Job Skills College Success Skills	EET 114: Introduction to Digital Electronics EET 115 Digital Circuits Applications EET 116: Electronic Circuits and Devices I EET 118 Introduction to Engineering Technology CSC 110 Introduction to Information Technology	EET 154 Introduction to Microprocessors EET 155 Microprocessor Applications EET 156 Electronic Circuits and Devices II EET 158 Software Tools For the Engineering Technol	EET 204 Network Installation and Maintenance EET 205 network Maintenance Lab EET 206 Linear Integrated Circuits	EET 202 Microprocessor Interfacing EET 203 Microprocessor Applications II
English	College Prep English I	College Prep English II	College Prep English III	College Prep English IV		ENL 111: English Composition I		ENL 121 English Composition II
Math	Algebra I	Algebra II	Geometry	College Prep Math (recommended)	MTH 190 Pre Calculus	MTH 240: Calculus I	MTH 242 Calculus I	

Science	Biology	Chemistry	Physics				PHS 201 General Physics I	PHS 202: General Physics II
Humanities	Civics	American History	World Studies					HUM Elective
Other Required Courses/ Electives	Foreign Language I (recommended)	Foreign Language II (recommended)						