Program Name: # ELECTRONICS TECHNOLOGY **2016-2017 SCOPE & SEQUENCE**

Secondary Scope & Sequence

- Technical - Major units and levels with estimated hours
- Academic - Recommended

Subject – Hours	Level I	Estimate of Hours	Level II	Estimate of Hours	Level III	Estimate of Hours	Level IV	Estimate of Hours
Technical	ORIENTATION & SAFETY	35	ELECTRICAL HAZARDS/ PREVENTION	25	BEST PRACTICES FOR THE ELECTRONICS LAB & WORKPLACE	25	DISPOSAL OF ELECTRONIC MATERIALS	25
	ELECTRICAL QUANTITIES AND COMPONENTS	45	TRANSFORMERS	70	JUNCTION DIODES	40	BASIC DIGITAL ELECTRONICS	110
	MEASURING INSTRUMENTS	40	CAPACITANCE, CAPACITIVE REACTANCE	65	POWER SUPPLYS	80	NANOTECHNOLOGY	20
	OHMS LAW	40	RC CIRCUITS, RCL CIRCUITS, RESONANCE	65	TRANSISTOR CHARACTERISTICS	85	TROUBLESHOOTING	45
	SERIES CIRCUITS, PARALLEL CIRCUITS, SERIES-PARALLEL CIRCUITS	50	SOLDERING	95	SMALL-SIGNAL AMPLIFIERS	60	ELECTRONIC COMMUNICATION	65
	BASIC NETWORK THEOREM	30	ETA CERTIFICATION, DC BASICS, AC BASICS	40	OPERATONAL AMPLIFIERS	50	CAREERS IN ELECTRONICS	30
	ALTERNATING CURRENT, OSCILLOSCOPE	55			ETA CERTIFICATION SOLID-STATE	15	HISTORY OF ELECTRONICS	15
	INDUCTANCE, INDUCTIVE REACTANCE, RC & RLC CIRCUITS IN AC	65			ELECTRIC MOTORS	5	ETA CERTIFICATION DIGITAL COMPREHENSIVE	50
English (4)	College Prep English I		College Prep English II		College Prep English III		College Prep English IV	
Math (3)	Algebra I		Algebra II		Geometry		Higher Level College Prep Math (recommended)	
Science (3)	Biology		Chemistry		Physics			
Humanities (covering these courses in any order) (3)	Civics		U.S. History		World History			
Other	Foreign Language I (recommended)		Foreign Language II (recommended)					