



Electronics and Electricians: Associate in Applied Science



This Career Pathway Plan of Study is to serve as a guide as coursework may change. Other career planning materials may be used as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	Career and Technical Courses and/or Degree Major Courses	SAMPLE Occupations Relating to This Pathway
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Interest Inventory Administered and Plan of Study Initiated for all Learners

SECONDARY	9	English I	Algebra I	Physical Science	Geography	Explore Plan ACT/PSAE	*CSP 1230 Articulation Credit; KBG I/Computer Concepts	<ul style="list-style-type: none"> •Appliance Repairer •Broadcast Technician •Cable Installer and Repairer •Construction Tradesperson •Electrical Engineering Technician •Electronics Repairer •Elevator Installer and Repairer •Heating, Air Conditioning, Refrigeration Technician •Home Inspector •Industrial Machinery Mechanic •Lineworker •Security Systems Technician
	10	English II	Geometry	Biology	World History		Information Processing I	
	11	English III	Algebra II			11th grade; Take IVCC Placement test	Information Processing II	
	12	English IV	Pre-Calculus or Statistics		Basic Life Skills *PSY 1000		Area Career Center ELT 1204	

*Articulation/Dual Credit Transcribed-Postsecondary courses: *Dual Credit Offering*

POSTSECONDARY	13		Fall MTH 1206		Spring ECN 1202	<u>Fall Required Courses</u> ALH 1221 Industrial First Aid <u>Spring</u> SDT 1203 Job Seeking Skills <u>Fall 2nd Year</u> Elective 1-3 credit hours	<u>Fall</u> CAD 1200 Computer Aided Draft I AutoCAD ELE 1220 Electrical Safety ELT 1204 Fundamentals of Electronics: Dc/Ac Theory of Circuit Analysis ELT 2205 Prototype Design and Fabrication ELT 2207 Instruments & Measurements <u>Spring</u> CAD 1203 Electronics Drafting CSN 1225 Core Networking Technologies ELE 1206 Electrical Wiring ELT 2204 Digital/Micro: Principals & Applications <u>Summer</u> ELT 2209 Electronics Tech Internship	<ul style="list-style-type: none"> •Home Inspector •Industrial Machinery Mechanic •Lineworker •Security Systems Technician
	14	Fall ENG 1205 Spring SPH 1204			Spring PSY 2200	<u>Fall</u> CSP 2200 PC Troubleshooting, Upgrade & Repair ELE 1202 Motors and Controls I ELE 1204 Programmable Logic Controllers I ELT 1200 Beginning Industrial Electronics <u>Spring</u> ELE 1203 Motors and Controls II ELE 1205 Programmable Logic Controllers II ELT 1203 Industrial Instrumentation ELT 2254 Electrical Capstone		
Year 15 & 16 Continue courses in the area of specialization								