

High School to College and Career Pathway: Secondary

Area of Study: Skilled & Technical Sciences Education



Pathway: Mechanics & Repairs Electronics

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																														
7 th Grade	8 th Grade	Middle School	Language Arts	High School	9 th Grade Suggested	10 th Grade Suggested	11 th Grade Suggested	12 th Grade Suggested	Beyond High School																														
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	Language Arts 12 1.00	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <ul style="list-style-type: none"> > Certificate > Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship > Military training <p>Electronics is:</p> <ul style="list-style-type: none"> > High skill > High wage > High demand > Nontraditional for females <p>Sample Occupations</p> <ul style="list-style-type: none"> > Electronics Equipment Assembler > Electronics Drafter > Electronics Engineer > Electronics Installer Repairer > Electronics Teacher <p>For more information on salary projections, labor market demand, and training options, visit www.utahfutures.org.</p>																														
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	Language Arts 11 1.00																																
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Physics 1.00 or Physics with Technology 1.00	Language Arts 11 1.00																																
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50																															
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50																																	
The Arts .50	The Arts .50	1.00	Fine Arts	1.50	Fine Arts Courses 1.50																																		
			Financial Literacy	.50			Financial Literacy .50																																
Keyboarding .50			Computer Tech.	.50	Computer Technology .50																																		
CTE Intro 1.00		1.00	Career and Technical Education	1.00	<p>Career and Technical Education Recommended Pathway Courses</p> <p>(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</p> <table border="1"> <thead> <tr> <th>Course #</th> <th>Foundation Courses: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>47.0105</td> <td>Basic Electronics</td> <td>.50</td> </tr> <tr> <td>47.0108</td> <td>Digital Electronics</td> <td>1.00</td> </tr> <tr> <td colspan="3">Elective Courses:</td> </tr> <tr> <td>15.1301</td> <td>Drafting & Design Technology</td> <td>.50</td> </tr> <tr> <td>46.0302</td> <td>Electrician 1</td> <td>1.00</td> </tr> <tr> <td>47.0107</td> <td>Advanced Electronics</td> <td>1.00</td> </tr> <tr> <td>47.0604</td> <td>Introduction to Automotive</td> <td>.50</td> </tr> <tr> <td>48.0701</td> <td>Woodworking</td> <td>.50</td> </tr> <tr> <td>32.0199</td> <td>Student Internship (Critical Workplace Skills)</td> <td>.50</td> </tr> </tbody> </table>			Course #		Foundation Courses: (required)	Credit	47.0105	Basic Electronics	.50	47.0108	Digital Electronics	1.00	Elective Courses:			15.1301	Drafting & Design Technology	.50	46.0302	Electrician 1	1.00	47.0107	Advanced Electronics	1.00	47.0604	Introduction to Automotive	.50	48.0701	Woodworking	.50	32.0199	Student Internship (Critical Workplace Skills)	.50	1.50 credits
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<p>Workforce Trends Employment will be limited by computer-aided design and other technologies that increase productivity. Opportunities will be best for those who have an associate degree or extensive job training.</p> <p>Get the Facts A typical American household owns 23 electronic products, spending over \$1,200 per year on such devices.</p>		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p>		<p>Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.</p>			1.50 credit	3.00 credits for completion																															
		<p>This is a nontraditional occupation for women. In 2007, 8.6 percent of the people employed in this occupation were women.</p>																																					

Note: For more information, talk to your school counselor.