

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Individualize your coursework to meet your educational and career goals while referring to these recommended coursework.

Computer Hardware and Repair at Waldport High School							With a HS diploma you can work as a... ^(a)	Additional Schooling (1 & 2 Year Programs)
(1) Required classes for pathway completion are shaded		(2) Optional classes for pathway enhancement are bolded		(3) Earn college credit				
9 th Grade	10 th Grade	11 th Grade	12 th Grade					
English	English	English	English				<ul style="list-style-type: none"> Electronic Sales (\$24,519) 	<ul style="list-style-type: none"> Electronic Engineering Technician – Associate of Applied Science – 6 terms <p><i>Similar 1 and 2 year programs maybe available at other community colleges and technical training schools.</i></p>
Math	Math	Elective	Elective					
Applied Arts / Foreign Language	Social Science	Social Science	Social Science					
Science	Science	Elective	Career Related Learning Experience					
PE / Health	PE / Health	Elective	Elective					
Foundations of IT ⁽³⁾	Elective	Elective	Elective					
STRUT ^{(1) (3)}	Elective	Elective	Work Based Learning ⁽²⁾					
Electronic Engineering Technician Program at Chemeketa Community College							With a Certificate of Completion ^(b)	Additional Schooling (4 Year Programs)
*Earn college credit for this course(s) by taking the appropriate high school course								
Associate of Applied Science (AAS)							<ul style="list-style-type: none"> n/a 	<ul style="list-style-type: none"> Electrical Engineering–Oregon State University <p><i>Similar 4 year programs maybe available at other colleges.</i></p>
Prerequisites	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6		
CS101 Intro to Computer Applications	ELT111 Electronics orientation	MTH112 Trigonometry ^(or higher) or MTH082 Technical Math 2	ELT133 Electronic Concepts 3	ELT121 Programming Concepts 1 or CS133J Fundamentals of Java Programming 1	ELT253 Microprocessor Systems	ELT254 * Computer Hardware Can be 4 of 6 Engineering Electronics electives		
CA121A Keyboarding A <small>(if less than 25 wpm)</small>	ELT131 Electronics Concepts 1	ELT132 Electronic Concepts 2	ELT142 Semiconductor Devices	ELT244 Electronic Circuit Analysis	ELT262 Linear IC Applications	ELT283 Logical Troubleshooting		
MTH070 Elementary Algebra	DRF101	ELT141 Transistor Fundamentals	ELT143 Pulse Circuit Fundamentals	ELT252 Digital Circuit Applications	ELT281 Antennas and Transmission Lines	ELT291 Advanced Industrial Electronics		
RD090 College Textbook Reading	WR121 English Composition - Exposition	ELT151 Digital Fundamentals	ELT161 Linear IC Fundamentals	FE205B Resumes and Job Search Correspondence	PH202 General Physics or PH082 Applied Physics	ELT256 Advanced Computer Architecture		
WR049 Basic Writing	MTH081 Technical Mathematics 1 or MTH111 College Algebra ^(or higher)		WR227 Technical Writing	PH201 General Physics or PH081 Applied Physics	ELT282 Telecommunications	PSY104 Psychology in the Workplace		
				SP111 Fundamentals of Public Speaking				

(a) These occupations usually require a high school diploma, short-term (less than a month) to moderate-term (less than a year) on-the-job training.
 (b) These occupations usually require associate degree, postsecondary certificate, and/or long-term (more than a year) on-the-job training.
 (c) These occupations usually require a bachelor degree and work experience. In some cases a master's degree.