

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 Assisted Drafting at Taft High School 7-12							With a HS diploma you can work as a... ^(a)	Additional Schooling
(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					
Math	Math	Trigonometry ^{(2) (3)}	Calculus ^{(2) (3)}					
Applied Arts / Foreign Language	Social Science	Social Science	Social Science					
Science	Science	Physics ⁽²⁾	Career Related Learning Experience					
PE / Health	PE / Health	Elective	Elective					
High School 101 ⁽³⁾	Elective	Elective	Elective					
CAD 1 ^{(1) (3)}	CAD 2 ^{(1) (3)}	Elective	Work Based Learning ⁽²⁾					
Survey and Civil Technology Program at Chemeketa Community College							With a Certificate of Completion ^(b)	Additional Schooling
*Earn college credit for this course(s) by taking the appropriate high school course								
Survey Technology Certificate of Completion ^(CC)			Civil Technology Associate of Applied Science ^(AAS)					
Prerequisites	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6		
CS101 * Intro to Computer Applications	DRF130 * AutoCAD 1	MTH112 * Trigonometry ^(or higher) or MTH082 Technical Math 2	COM053 Technical Report Writing or WR227 Technical Writing	CVL230 Applied Statics	CVL231 Applied Strength of Materials	CLV263A Topographic Surveying- Lecture		
CA121A Keyboarding A <small>(if less than 25 wpm)</small>	COM051 Communications Skills 1 or WR121 English Composition – Exposition ^(or higher)	CVL161A Plane Surveying 1 - Lecture	CVL162A Plane Surveying 1 - Lecture	CVL240A Construction Surveying-Lecture	CLV260 Survey Project Planning	CLV263AB Topographic Surveying- Lab		
MTH070 Elementary Algebra	CVL130 Work Zone Safety and First Aid	CVL161B Plane Surveying 1 - Lab	CVL162B Plane Surveying 1 - Lab	CVL240B Construction Surveying-Lab	CVL261 Environmental and Sanitary Technology	DRF165 CAD System Administration		
SSP051 Studying for College or RD090 College Textbook Reading	CVL143 Introduction to Civil Survey	DRF131 AutoCAD 2	DRF155 Mapping and Platting	DRF245 Civil Drafting and Design	DRF230 Introduction to MicroStation PC	DRF231 Advanced MicroStation		
	DRF110 Applied Engineering Computations	GEG105 Physical Geography	DRF221 GIS ArcCAD	DRF241 Structural Drafting	DRF241 Structural Drafting	DRF246 Project Development		
WR049 Basic Writing	MTH081 Technical Mathematics 1 or MTH111 College Algebra ^(or higher)	DRF220 (AAS) GIS ArcView	PSY104 (CC) Psychology in the Workplace	DRF160 Technical Software Applications or CS125E Excel-Workbooks		PSY104 Psychology in the Workplace		
With an Associate of Applied Science Degree ^(b)								
<ul style="list-style-type: none"> • Civil Engineering Technician (\$45,272) 								
With a Bachelor Degree ^(c)								
<ul style="list-style-type: none"> • Civil Engineer (\$63,748) • Surveys (\$55,672) 								

(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.