

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 & 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"> Construction (\$24,519-\$30,741) 	<ul style="list-style-type: none"> Computer-Assisted Drafting– Certificate of Completion – 3 terms Computer-Assisted Drafting – 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	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⁾					
Computer-Assisted Drafting Program at Chemeketa Community College								
*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"> Architectural and Civil Drafter (\$39,203) 	<ul style="list-style-type: none"> Bachelor of Architecture – University of Oregon <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	DRF130 * AutoCAD 1	CVL143 (AAS) Intro to Civil Survey	DRF132 AutoCAD 2	CVL230 Applied Statics	CVL261 Environmental and Sanitary Technology	COM053 Technical Report Writing or WR227 Technical Writing		
CA121A Keyboarding A <small>(if less than 25 wpm)</small>	DRF110 Applied Engineering Computations	DRF131 AutoCAD2	DRF140 Advanced Technical Graphics	DRF210 Parametric Design	DRF230 Intro to MicroStation PC			
MTH070 Elementary Algebra	DRF112 Sketching	DRF220 GIS ArcView	DRF150 Architectural Drafting 1	DRF242 3-D Studio	DRF240 Architectural Drafting 2	DRF165 CAD System Administration		
SSP051 Studying for College or RD090 College Textbook Reading	DRF114 Drafting orientation	PSY104 Psychology in the Workplace	DRF155 Mapping and Platting	DRF245 Civil Drafting and Design	DRF241 Structural Drafting	DRF231 Advanced MicroStation		
	COM051 Communication Skills 1 or WR121	MTH082 Technical Mathematics 2 or MTH112 * Trigonometry (or higher)	DRF160 Technical Software Applications or CS125E Excel-Workbooks	PH081 Applied Physics	DRF256 AutoLISP Programming	DRF243 Architectural Design		
WR049 Basic Writing	English Composition-Exposition					DRF255 Technical Illustration		
	MTH081 Technical Mathematics 1 or MTH111 College Algebra (or higher)		DRF221 GIS ArcCAD					

(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.