

# Degree & Certificate Requirements

## Computer Aided Drafting One-Year Certificate PROFESSIONAL TECHNICAL 2023-2024 Certificate Requirements

### Major Courses

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENT 111	Introduction to Engineering	5		
ENT 124	Intermediate Drafting	4		
ENT 128	Architecture & Engineering Blueprint Reading	2		
ENT 136	Advanced Drafting	4		
ENT 122	Materials	3		
<b>Introduction to Drafting - select 4-5 credits from the following:</b>				
ENT 114	Introduction to Drafting	4		
or				
ENT 118	Spatial Visualization	2		
and				
ENT 267	Autocad I W/Lab	3		
<b>Subtotal</b>		<b>22-23</b>		

### Major Support

Select a minimum of 8 credits from the following

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENT 121	Engineering Fundamentals W/ Lab	4		
ENT 134	Surveying W/ Lab	6		
ENT 135	Statics	5		
ENT 219	Construction Estimating	1		
ENT 229	Construction Specifications	2		
ENT 268	Autocad II W/Lab	3		
ENT 270	3-D W/ Lab	3		
ENT 271	Drawing Production W/Lab	3		
ENT 272	Advanced 3-D W/Lab	3		
ENT 273	Advanced Autocad Applications W/Lab	3		
ENT 274	Architectural Residential Drawing W/ Lab	3		
<b>Subtotal</b>		<b>8</b>		

### General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENGL& 101	English Composition I [C]	5		
<b>Mathematics - select 5 credits from the following:</b>				
MATH 113	Geometry/Trigonometry [M/S]	5		
MATH& 141	Precalculus I [M/S] [Q/SR]	5		
<b>Social &amp; Behavioral Sciences - select 5 credits from the following:</b>				
PSYC& 100	General Psychology [S/B]	5		
PSYC 201	Social Psychology [S/B]	5		
SOC& 101	Intro to Sociology [S/B]	5		
<b>Subtotal</b>		<b>15</b>		
<b>Total Credits Required</b>		<b>45-46</b>		