

# Computer Aided Drafting One-Year Certificate

PROFESSIONAL TECHNICAL  
2013-2014 Certificate Requirements

## Major Courses

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
ENT	1711	Technical Drafting	3		
ENT	267	AutoCAD I	2		
ENT	2671	AutoCAD I Lab	1		
ENT	268	AutoCAD II	2		
ENT	2681	AutoCAD II Lab	1		
<b>Subtotal</b>			<b>9</b>		

## Electives

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
<b>CAD Electives (select a minimum of 9 credits)</b>					
ENT	269	Visual LISP &	2		
ENT	2691	Visual LISP Lab	1		
ENT	270	3-D &	2		
ENT	2701	3-D Lab	1		
ENT	271	Drawing Production &	2		
ENT	2711	Drawing Production Lab	1		
ENT	272	Advanced 3-D &	2		
ENT	2721	Advanced 3-D Lab	1		
ENT	273	Advanced AutoCAD Applications &	2		
ENT	2731	Advanced AutoCAD Applications Lab	1		
ENT	274	Architectural Residential Drawing &	2		
ENT	2741	Architectural Residential Drawing Lab	1		
ENT	281	MicroStation I for the AutoCAD User &	2		
ENT	2811	MicroStation I for the AutoCAD User Lab	1		
ENT	282	MicroStation II for the AutoCAD User &	2		
ENT	2821	MicroStation II for the AutoCAD User Lab	1		
<b>ENT Electives (must meet course prerequisites)</b>					
ENT	111	Introduction to Engineering	5		
ENT	121	Engineering Fundamentals &	3		
ENT	1211	Engineering Fundamentals Lab	1		
ENT	122	Materials	3		
ENT	134	Surveying &	3		
ENT	1341	Surveying Lab	3		
ENT	1721	Technical Drafting	3		
ENT	2191	Construction Estimating	1		
ENT	229	Construction Specifications	2		
ENT	238	Electricity	5		
<b>Subtotal</b>			<b>20</b>		

**General Education**

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
ENGL&	101	English Composition I	5		
MATH	113	Geometry/Trigonometry	5		
<b>Human Relations (select 3-5 credits)</b>					
PSYC&	100	General Psychology <i>or</i>	5		
PSYC	103	Applied Psychology <i>or</i>	3		
PSYC	201	Social Psychology <i>or</i>	5		
BUS	271	Human Relations Business	5		
<b>Communication Studies (select 3-5 credits)</b>					
CMST	101	Speech Essentials <i>or</i>	3		
CMST	110	Communication Behavior <i>or</i>	3		
CMST&	210	Interpersonal Communication <i>or</i>	5		
CMST&	220	Public Speaking <i>or</i>	5		
CMST	260	Multicultural Communication	5		

**Subtotal 16-20****Total Credits Required 45-49**