Computer Aided Drafting One-Year Certificate

PROFESSIONAL TECHNICAL

2014-2015 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		
		Subtotal	**9**		

Electives

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
CAD Electives (select a minimum of 9 credits)					
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		
ENT Electives (must meet course prerequisites)					
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		
		Subtotal	**20**		

General Education

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
ENGL&	101	English Composition I	5		
MATH	113	Geometry/Trigonometry	5		
Human Relations (select 3-5 credits)					
PSYC&	100	General Psychology ***or***	5		
PSYC	103	Applied Psychology ***or***	3		
PSYC	201	Social Psychology ***or***	5		
BUS	271	Human Relations Business	5		
Communication Studies (select 3-5 credits)					
CMST	101	Speech Essentials ***or***	3		
CMST	110	Communication Behavior ***or***	3		
CMST&	210	Interpersonal Communication ***or***	5		
CMST&	220	Public Speaking ***or***	5		
CMST	260	Multicultural Communication	5		
		Subtotal	**16-20**		
		Total Credits Required	**45-49**		