

Degree & Certificate Requirements

Engineering Technology Associate in Applied Science (AAS) PROFESSIONAL TECHNICAL 2020-2021 Degree Requirements

Major Courses

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENT 111	Introduction to Engineering	5		
ENT 121	Engineering Fundamentals w/ Lab	4		
ENT 122	Materials	3		
ENT 124	Intermediate Drafting	4		
ENT 128	Architecture & Engineering Blueprint Reading	2		
ENT 134	Surveying w/ Lab	6		
ENT 135	Statics	5		
ENT 136	Advanced Drafting	4		
ENT 214	Strength of Materials	5		
ENT 216	Mechanical Drafting & Design	5		
ENT 219	Construction Estimating	1		
ENT 224	Structures	5		
ENT 226	Architectural/Structural Drafting	5		
ENT 229	Construction Specifications	2		
ENT 236	Design	5		
ENT 238	Electricity	5		
Introduction to Drafting - select 4-5 credits from the following:				
ENT 114	Introduction to Drafting	4		
or				
ENT 118	Spatial Visualization	2		
and				
ENT 267	AutoCAD I w/ Lab	3		

Subtotal 70-71

Major Support

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
PHYS&114	General Physics I w/ Lab [M/S]	5		
PHYS&115	General Physics II w/ Lab [M/S]	5		
Physics or English - select 5 credits from the following:				
PHYS&116	General Physics III w/ Lab [M/S]	5		
ENGL&235	Technical Writing [C]	5		

Subtotal 15

General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENGL&101	English Composition I [C]	5		
MATH&141	Precalculus I [M/S] [Q/SR]	5		
MATH 113	Geometry/Trigonometry [M/S]	5		
or				
MATH&142	Precalculus II [M/S] [Q/SR]	5		

Subtotal 15

Degree & Certificate Requirements

Students should select one class from each of the following areas to meet the program requirement

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Human Relations - select 3-5 credits from the following:				
PSYC 103	Applied Psychology	3		
PSYC&100	General Psychology [S/B]	5		
PSYC 201	Social Psychology [S/B]	5		
SOC& 101	Intro to Sociology [S/B]	5		
BUS 271	Human Relations Business	5		
Communication Studies - select 3-5 credits from the following:				
CMST&101	Introduction to Communication Studies [C]	5		
CMST 104	Speech Essentials [C]	3		
CMST 110	Communication Behavior [C]	3		
CMST&210	Interpersonal Communication [C]	5		
CMST&220	Public Speaking [C]	5		
CMST 260	Multicultural Communication [C]	5		

Subtotal **6-10**
Total Credits Required **106-111**