

Degree & Certificate Requirements

Engineering Technology Associate in Applied Science (AAS) PROFESSIONAL TECHNICAL 2024-2025 Degree Requirements

Major Courses

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