

# Degree & Certificate Requirements

## Engineering Technology Associate in Applied Science (AAS) PROFESSIONAL TECHNICAL 2023-2024 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		
<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		

**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		
<b>Physics or English - select 5 credits from the following:</b>				
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
<b>Human Relations - select 3-5 credits from the following:</b>				
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	5		
<b>Communication - select 3-5 credits from the following:</b>				
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