

Degree & Certificate Requirements

Engineering Technology Associate in Applied Science (AAS) PROFESSIONAL TECHNICAL 2022-2023 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**