

Associate in Applied Science in Engineering Technology

PROFESSIONAL TECHNICAL

2013-2014 Degree Requirements

Major Courses

| Course | No. | Course Title | Credits | Qtr. Completed | Comments/Substitution |
|--------|------|-----------------------------------|---------|----------------|-----------------------|
| ENT | 111 | Introduction to Engineering | 5 | | |
| ENT | 1161 | Basic Drafting | 5 | | |
| ENT | 121 | Engineering Fundamentals | 3 | | |
| ENT | 1211 | Engineering Fundamentals Lab | 1 | | |
| ENT | 122 | Materials | 3 | | |
| ENT | 1261 | Graphical Analysis | 5 | | |
| ENT | 134 | Surveying | 3 | | |
| ENT | 1341 | Surveying Lab | 3 | | |
| ENT | 135 | Statics | 5 | | |
| ENT | 1361 | Advanced Drafting | 4 | | |
| ENT | 214 | Strength of Materials | 5 | | |
| ENT | 2161 | Mechanical Drafting & Design | 5 | | |
| ENT | 2191 | Construction Estimating | 1 | | |
| ENT | 224 | Structures | 5 | | |
| ENT | 2261 | Architectural/Structural Drafting | 5 | | |
| ENT | 229 | Construction Specifications | 2 | | |
| ENT | 2361 | Design | 5 | | |
| ENT | 238 | Electricity | 5 | | |

Subtotal 70

Major Support

| Course | No. | Course Title | Credits | Qtr. Completed | Comments/Substitution |
|--------|-----|------------------------|---------|----------------|-----------------------|
| PHYS& | 134 | General Physics I | 4 | | |
| PHYS& | 124 | General Physics Lab I | 1 | | |
| PHYS& | 135 | General Physics II | 4 | | |
| PHYS& | 125 | General Physics Lab II | 1 | | |

Physics/English (select 5 credits)

| | | | | | |
|-------|-----|-----------------------------------|---|--|--|
| PHYS& | 136 | General Physics III & | 4 | | |
| PHYS& | 126 | General Physics Lab III <i>or</i> | 1 | | |
| ENGL& | 235 | Technical Writing | 5 | | |

Subtotal 15

General Education

| Course | No. | Course Title | Credits | Qtr. Completed | Comments/Substitution |
|--------|-----|---------------------------------|---------|----------------|-----------------------|
| ENGL& | 101 | English Composition I | 5 | | |
| MATH | 113 | Geometry/Trigonometry <i>or</i> | 5 | | |
| MATH& | 142 | Precalculus II | 5 | | |
| MATH& | 141 | Precalculus I | 5 | | |

Subtotal 15

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

| Course | No. | Course Title | Credits | Qtr. Completed | Comments/Substitution |
|---|-----|---------------------------------------|---------|----------------|-----------------------|
| Human Relations (select 3-5 credits) | | | | | |
| PSYC | 103 | Applied Psychology <i>or</i> | 3 | | |
| PSYC& | 100 | General Psychology <i>or</i> | 5 | | |
| PSYC | 201 | Social Psychology <i>or</i> | 5 | | |
| SOC& | 101 | Intro to Sociology <i>or</i> | 5 | | |
| BUS | 271 | Human Relations Business | 5 | | |
| Communication Studies (select 3-5 credits) | | | | | |
| CMST | 101 | Speech Essentials <i>or</i> | 3 | | |
| CMST | 110 | Communication Behavior <i>or</i> | 3 | | |
| CMST& | 210 | Interpersonal Communication <i>or</i> | 3 | | |
| CMST& | 220 | Public Speaking <i>or</i> | 5 | | |
| CMST | 260 | Multicultural Communication | 5 | | |

Subtotal 6-10

Total Credits Required 106-110