

# Applied Engineering Technology

A.A.S. Degree - A40130

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| TOTAL HOURS FOR CREDENTIAL |     |        |      |        |
|----------------------------|-----|--------|------|--------|
| Class                      | Lab | Clinic | Work | Credit |
| 42                         | 61  | 0      | 0    | 67     |

## Fall I

| Course                  | Course Title              | Prerequisites | Corequisites | Class     | Lab       | Clinic   | Work     | Credit    |
|-------------------------|---------------------------|---------------|--------------|-----------|-----------|----------|----------|-----------|
| ACA 115                 | Success & Study Skills    |               |              | 0         | 2         | 0        | 0        | 1         |
| CIS 110                 | Introduction to Computers |               |              | 2         | 2         | 0        | 0        | 3         |
| ELC 112                 | DC/AC Electricity         |               |              | 3         | 6         | 0        | 0        | 5         |
| ELC 113                 | Residential Wiring        |               |              | 2         | 6         | 0        | 0        | 4         |
| ISC 112                 | Industrial Safety         |               |              | 2         | 0         | 0        | 0        | 2         |
| MEC 111                 | Machine Processes I       |               |              | 1         | 4         | 0        | 0        | 3         |
| <b>Semester Totals:</b> |                           |               |              | <b>10</b> | <b>20</b> | <b>0</b> | <b>0</b> | <b>18</b> |

## Spring I

| Course                  | Course Title                        | Prerequisites | Corequisites | Class     | Lab       | Clinic   | Work     | Credit    |
|-------------------------|-------------------------------------|---------------|--------------|-----------|-----------|----------|----------|-----------|
| ELC 117                 | Motors and Controls                 |               |              | 2         | 6         | 0        | 0        | 4         |
| ELC 128                 | Introduction to PLC                 |               |              | 2         | 3         | 0        | 0        | 3         |
| HYD 110                 | Hydraulics and Pneumatics           |               |              | 2         | 3         | 0        | 0        | 3         |
| MEC 110                 | Intro to CAD/CAM                    |               |              | 1         | 2         | 0        | 0        | 2         |
|                         | Behavioral/Social Sciences Elective |               |              | 3         | 0         | 0        | 0        | 3         |
| <b>Semester Totals:</b> |                                     |               |              | <b>10</b> | <b>14</b> | <b>0</b> | <b>0</b> | <b>15</b> |

## Summer I

| Course                  | Course Title                   | Prerequisites | Corequisites | Class    | Lab      | Clinic   | Work     | Credit   |
|-------------------------|--------------------------------|---------------|--------------|----------|----------|----------|----------|----------|
| ENG 110 <i>OR</i>       | Freshman Composition <i>OR</i> |               |              |          |          |          |          |          |
| ENG 111                 | Writing and Inquiry            | See Catalog   |              | 3        | 0        | 0        | 0        | 3        |
| MAT 110                 | Math Measurement & Literacy    | See Catalog   |              | 2        | 2        | 0        | 0        | 3        |
| <b>Semester Totals:</b> |                                |               |              | <b>5</b> | <b>2</b> | <b>0</b> | <b>0</b> | <b>6</b> |

## Fall II

| Course                  | Course Title                  | Prerequisites | Corequisites | Class    | Lab       | Clinic   | Work     | Credit    |
|-------------------------|-------------------------------|---------------|--------------|----------|-----------|----------|----------|-----------|
| AHR 110                 | Introduction to Refrigeration |               |              | 2        | 6         | 0        | 0        | 5         |
| BPR 111                 | Print Reading                 |               |              | 1        | 2         | 0        | 0        | 2         |
| ELC 118                 | National Electric Code        |               |              | 1        | 2         | 0        | 0        | 2         |
| ELC 125                 | Diagrams & Schematics         |               |              | 1        | 2         | 0        | 0        | 2         |
| ELC 127                 | Software for Technicians      |               |              | 1        | 3         | 0        | 0        | 2         |
| <b>Semester Totals:</b> |                               |               |              | <b>6</b> | <b>15</b> | <b>0</b> | <b>0</b> | <b>13</b> |

## Spring II

| Course                  | Course Title                  | Prerequisites | Corequisites | Class     | Lab       | Clinic   | Work     | Credit    |
|-------------------------|-------------------------------|---------------|--------------|-----------|-----------|----------|----------|-----------|
| COM 231 <i>OR</i>       | Public Speaking <i>OR</i>     |               |              |           |           |          |          |           |
| ENG 115                 | Oral Communication            |               |              | 3         | 0         | 0        | 0        | 3         |
| ELC 114                 | Commercial Wiring             |               |              | 2         | 6         | 0        | 0        | 4         |
| ELC 119                 | NEC Calculations              |               |              | 1         | 2         | 0        | 0        | 2         |
| WLD 141                 | Symbols & Specifications      |               |              | 2         | 2         | 0        | 0        | 3         |
|                         | Humanities/Fine Arts Elective |               |              | 3         | 0         | 0        | 0        | 3         |
| <b>Semester Totals:</b> |                               |               |              | <b>11</b> | <b>10</b> | <b>0</b> | <b>0</b> | <b>15</b> |

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