

**ASSOCIATE IN APPLIED SCIENCE  
MAJOR IN ENGINEERING DESIGN TECHNOLOGY**

Day Program – 5 terms

| <b>FIRST SEMESTER</b> |   | <b>CREDIT</b> | <b>Contact</b> | <b>Notes:</b>   | <b>Offered:</b>        |
|-----------------------|---|---------------|----------------|---|------------------------|
| EGR 130               | Engineering Technology Applications and Programming | 3.0           | 7.0            | If possible take the first semester<br>This is a freshman course and it should be taken the first or second semester. | Fall & Spring          |
| EGT 110               | Engineering Graphics I                              | 4.0           | 8.0            | If possible take the first semester   | Fall & Spring          |
| EGT 151               | Introduction to CAD                                 | 3.0           | 5.0            | If possible take the first semester   | Fall, Spring, & Summer |
| ENG 101               | English Composition I                               | 3.0           | 3.0            |   |                        |
| MAT 110               | College Algebra                                     | 3.0           | 3.0            |   |                        |
| <b>Total</b>          |   | <b>16.0</b>   | <b>26.0</b>    |   |                        |

| <b>SECOND SEMESTER</b> |                                     |             |             |  |             |
|------------------------|-------------------------------------|-------------|-------------|--|-------------|
| EGT 251                | Principles of CAD                   | 3.0         | 5.0         | Pre-Req: EGT 151...would be good if they had EGT 110 | Spring Only |
| EGT 125                | Descriptive Geometry                | 2.0         | 4.0         | Pre-Req: EGT 110                                     | Spring Only |
| ENG 102                | English Composition II <b>or</b>    |             |             |  |             |
|                        | ENG 165 Professional Communications | 3.0         | 3.0         |  |             |
| MAT 111                | College Trigonometry                | 3.0         | 3.0         |  |             |
| PHY 201                | Physics I                           | 4.0         | 6.0         |  |             |
| <b>Total</b>           |                                     | <b>15.0</b> | <b>21.0</b> |  |             |

| <b>SUMMER TERM</b> |                         |             |             |                            |             |
|--------------------|-------------------------|-------------|-------------|----------------------------|-------------|
| EGT 165            | Introduction to Cad/Cam | 2.0         | 4.0         | Pre-Req: EGT 151 & EGT 251 | Summer Only |
| EGT 115            | Engineering Graphics II | 4.0         | 8.0         | Pre-Req: EGT 151 & EGT 110 | Summer Only |
| EGR 175            | Manufacturing Process   | 3.0         | 5.0         |                            |             |
| PHY 202            | Physics II              | 4.0         | 6.0         |                            |             |
| <b>Total</b>       |                         | <b>13.0</b> | <b>23.0</b> |                            |             |

| <b>THIRD SEMESTER</b> |   |     |     |                            |           |
|-----------------------|---|-----|-----|----------------------------|-----------|
| CIM 131               | Computer Integrated Manufacturing <b>or</b> | 3.0 | 7.0 | Pre-Req: EGR 130 & EGT 251 | Fall Only |
|                       | AET 101-Building Systems I                  |     |     |                            |           |

|         |  |             |             |  |           |
|---------|--|-------------|-------------|--|-----------|
| EGR 170 | Engineering Materials                            | 3.0         | 5.0         |  |           |
| EGT 252 | Advanced CAD                                     | 3.0         | 5.0         | Pre-Req: EGT 151...would be good if they had EGT 110 | Fall Only |
| EGT 225 | Architectural Drawing Applications               | 4.0         | 8.0         | Pre-Req: EGT 151...would be good if they had EGT 110 | Fall Only |
| MAT 130 | Elementary Calculus <b>or</b>                    | 3.0         | 3.0         |  |           |
|         | MAT 140 Analytical Geometry and Calculus I (4.0) |             |             |  |           |
|         | <b>Total</b>                                     | <b>16.0</b> | <b>28.0</b> |  |           |

|                        |                                    |             |             |  |             |
|------------------------|------------------------------------|-------------|-------------|--|-------------|
| <b>FOURTH SEMESTER</b> |                                    |             |             |  |             |
| EGT 215                | Mechanical Drawing Applications    | 4.0         | 8.0         | Pre-Req: EGT 151 & EGT 115 -<br>ADVISOR APPROVAL | Spring Only |
| EGR 194                | Statics and Strengths of Materials | 4.0         | 6.0         | Pre-Req: MAT 111 & PHY 201 or PHY 221            | Spring Only |
| PSY 103                | Human Relations <b>or</b>          | 3.0         | 3.0         |  |             |
|                        | General Psychology                 |             |             |  |             |
| Elective               | Humanities/ Fine Arts              | 3.0         | 3.0         |  |             |
|                        | <b>Total</b>                       | <b>14.0</b> | <b>20.0</b> |  |             |

**TOTAL CREDIT HOURS**

**74.0/75.0**    118.0