## Engineering Graphics and Design Technology (EGDT)
### Associate in Applied Science
### M.A.P.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Suggested Courses</th>
<th>Semester(s)* Offered</th>
<th>Credit Hrs.</th>
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</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong> 14 credit hours</td>
<td>DDT 104 Basic Computer-Aided Drafting or EGR 125 Modern Graphics for Engineers</td>
<td>Fall, Spring, Summer</td>
<td>3</td>
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<tr>
<td></td>
<td>DDT 111 Fundamentals of Drafting and Design Technology</td>
<td>Fall, Spring</td>
<td>3</td>
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<td>DDT 124 Basic Technical Drawing</td>
<td>Fall, Spring</td>
<td>3</td>
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<td>MTH 100 or Intermediate College Algebra or MTH 116 Mathematical Applications</td>
<td>Fall, Spring, Summer</td>
<td>3</td>
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<td>ORI 101 Orientation to College</td>
<td>Fall, Spring, Summer</td>
<td>2</td>
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| Semester 2 15 credit hours | DDT 213 Civil Drafting, Plat Maps | Spring | 3 |
| | DDT 133 Basic Surveying | Spring | 3 |
| | DDT 214 Pipe Drafting | Spring | 3 |
| | ENG 101 English Composition I | Fall, Spring, Summer | 3 |
| | SPH 106 or Fundamentals of Oral Communication or SPH 107 Fundamentals of Public Speaking | Fall, Spring, Summer | 3 |

| Semester 3 12 credit hours | DDT 127 Intermediate Computer-Aided Drafting and Design | Summer | 3 |
| | DDT 132 Architectural Drafting | Summer | 3 |
| | DDT 150 Theory of Residential Drawing and Design | Summer | 3 |
| | DDT 144 Basic 3D Modeling | Summer | 3 |

| Semester 4 15 credit hours 3D Modeling STC Achieved | DDT 128 Intermediate Technical Drafting | Fall | 3 |
| | DDT 225 Structural Steel Drafting | Fall | 3 |
| | DDT 233 Intermediate 3D Modeling | Fall | 3 |
| | DDT 109 Intro to Building Information Modeling (BIM) | Fall | 3 |
| | Area III Math or Natural Science | Fall, Spring, Summer | 3 |

| Semester 5 15 credit hours EGDT AAS Degree Achieved | DDT 220 Advanced Technical Drawing | Spring | 3 |
| | DDT 250 Building Information Modeling (BIM) | Spring | 3 |
| | DDT 239 or Independent Study or DDT 271 Drafting Internship | Spring, Summer | 3 |
| | Area IV History or Social/Behavioral Science | Fall, Spring, Summer | 3 |
| | Area II Fine Art or Humanities | Fall, Spring, Summer | 3 |

**Total Hours** 71-72

*Course(s) may be offered in additional semesters but are only assured to run in semester(s) indicated. It is highly recommended for course(s) to be completed in the semester(s) indicated.

Part-time students and full-time students desiring to begin the EGDT program of study during a spring or summer semester should consult with an academic advisor to establish an alternate degree completion pathway.
### Area II

**Humanities and Fine Arts**
- Art 100  Art Appreciation
- ART 203  Art History I
- ART 204  Art History II
- ENG 251  American Literature I
- ENG 252  American Literature II
- ENG 261  English Literature I
- ENG 262  English Literature II
- ENG 271  World Literature I
- ENG 272  World Literature II
- HUM 298  Directed Studies in Humanities
- MUS 101  Music Appreciation
- PHL 206  Ethics and Society
- REL 100  History of World Religions
- REL 151  Survey of Old Testament
- REL 152  Survey of New Testament
- SPA 101  Introduction to Spanish I
- SPA 102  Introduction to Spanish II
- THR 120  Theatre Appreciation

### Area III

**Math or Natural Science**
- AST 220  Introduction to Astronomy
- BIO 101 or Introduction to Biology I
- BIO 103  Principles of Biology I
- BIO 102 or Introduction to Biology II
- BIO 104  Principles of Biology II
- CHM 104 or Introduction to Inorganic Chemistry
- CHM 111  College Chemistry I
- CHM 105 or Introduction to Organic Chemistry
- CHM 112  College Chemistry II
- CHM 221  Organic Chemistry I
- CHM 222  Organic Chemistry II
- GEO 101  Principles of Physical Geography I
- GEO 102  Principles of Physical Geography II
- MTH 100  Intermediate College Algebra
- MTH 110  Finite Mathematics
- MTH 112  Precalculus Algebra
- MTH 113  Precalculus Trigonometry
- MTH 115  Precalculus Algebra & Trigonometry
- MTH 120  Calculus and Its Applications
- MTH 125  Calculus I
- MTH 126  Calculus II
- MTH 227  Calculus III
- MTH 237  Linear Algebra
- MTH 238  Applied Differential Equations I
- MTH 265  Elementary Statistics
- PHS 111  Physical Science I
- PHS 112  Physical Science II
- PHY 201  General Physics I - Trig Based
- PHY 202  General Physics II - Trig Based
- PHY 213  General Physics with Calculus I
- PHY 214  General Physics with Calculus II

### Area IV

**History, Social, and Behavioral Sciences**
- ANT 200  Introduction to Anthropology
- ANT 220  Cultural Anthropology
- ECO 231  Principles of Macroeconomics
- ECO 232  Principles of Microeconomics
- GEO 100  World Regional Geography
- HIS 101  Western Civilization I
- HIS 102  Western Civilization II
- HIS 201  United States History I
- HIS 202  United States History II
- POL 200  Introduction to Political Science
- POL 211  American National Government
- PSY 200  General Psychology
- PSY 210  Human Growth & Development
- SOC 200  Introduction to Sociology
- SOC 210  Social Problems