



**SEMESTER 1 - St. Louis Community College**

|         |  |             |
|---------|--|-------------|
| MTH 210 | Analytic Geometry & Calculus I         | 5.0         |
| CHM 105 | General Chemistry I                    | 5.0         |
| ENG 101 | College Composition I                  | 3.0         |
| ESC 100 | Engineering Comp Applications & Design | 3.0         |
|         |  |             |
|         |  | <b>16.0</b> |

**SEMESTER 2 - St. Louis Community College**

|          |   |             |
|----------|---|-------------|
| Elective | Social & Behavioral Sci: Civics Requirement | 3.0         |
| MTH 220  | Analytic Geometry & Calculus II             | 5.0         |
| ESC 101  | Scientific Computer Programming             | 3.0         |
| PHY 122  | Engineering Physics I                       | 5.0         |
|          |   |             |
|          |   | <b>16.0</b> |

**SEMESTER 3 - St. Louis Community College**

|         |                                  |             |
|---------|----------------------------------|-------------|
| MTH 230 | Analytic Geometry & Calculus III | 5.0         |
| PHY 223 | Engineering Physics II           | 5.0         |
| ESC 203 | Engineering Statics              | 3.0         |
| ESC 200 | Engineering Circuits I           | 4.0         |
|         |                                  |             |
|         |                                  | <b>17.0</b> |

**SEMESTER 4 - St. Louis Community College**

|          |                              |             |
|----------|------------------------------|-------------|
| MTH 240  | Differential Equations       | 3.0         |
| Elective | Engineering Science Elective | 3.0         |
| Elective | Engineering Science Elective | 3.0         |
| Elective | Engineering Science Elective | 1.0         |
| ENG 102  | College Composition II       | 3.0         |
|          |                              |             |
|          |                              | <b>13.0</b> |

**SEMESTER 5 - SIU**

|          |   |             |
|----------|---|-------------|
| Elective | Humanities                              | 3.0         |
| Elective | Life Science                            | 3.0         |
| IMAE 110 | Geometric Dimensioning & Tolerancing    | 3.0         |
| IMAE 208 | Fundamentals of Manufacturing Processes | 3.0         |
| IMAE 305 | Industrial Safety                       | 3.0         |
|          |   |             |
|          |   | <b>15.0</b> |

**SEMESTER 6 - SIU**

|          |                              |             |
|----------|------------------------------|-------------|
| Elective | Fine Arts                    | 3.0         |
| CMST 101 | Intro: Oral Communication    | 3.0         |
| Elective | IMAE Elective, 300-400 Level | 3.0         |
| IMAE 390 | Cost Estimating              | 3.0         |
| IMAE 442 | Fundamentals of Leadership   | 3.0         |
|          |                              |             |
|          |                              | <b>15.0</b> |

**SEMESTER 7 - SIU**

|           |  |             |
|-----------|--|-------------|
| IMAE 392  | Facilities Planning & Workplace Design | 3.0         |
| IMAE 450  | Project Management                     | 3.0         |
| IMAE 465  | Lean Manufacturing                     | 3.0         |
| IMAE 470A | Six Sigma Green Belt I                 | 3.0         |
| IMAE 476  | Supply Chain Management                | 3.0         |
|           |  |             |
|           |  | <b>15.0</b> |

**SEMESTER 8 - SIU**

|           |                                   |             |
|-----------|-----------------------------------|-------------|
| IMAE 375  | Production & Inventory Management | 3.0         |
| IMAE 340  | Intro to Supervision              | 3.0         |
| IMAE 470B | Six Sigma Green Belt II           | 3.0         |
| IMAE 445  | Computer Integrated Manufacturing | 3.0         |
| Elective  | IMAE Elective, 300-400 Level      | 3.0         |
|           |                                   |             |
|           |                                   | <b>15.0</b> |

**TOTAL HOURS: 122.0**