|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Major: Mechanical & Manufacturing Engineering Technology** | | | | |
| FIRST YEAR | Fall Semester |  | Spring Semester |  |
| EGT 116 Intro to Industrial materials & processes | 3 | EGT 265 Manufacturing Processes & Metrology | 3 |
| EGT 162 D.C. Circuit Analysis | 3 | EGT 212 Computer Aided Drafting and Design | 3 |
| Gen Ed Written Communication I: ENG 101 College Writing1 | 3 | STA 205 Introduction to Statistical Methods | 3 |
| MAT 119 Pre-Calculus Mathematics | 3 | CHE 130 & 130L Chemistry, an Engineering Approach with lab | 4 |
| Gen Ed | 3 | CMST 101 Public Speaking | 3 |
|  | **Total** | 15 | **Total** | 16 |
| SECOND YEAR | Fall Semester |  | Spring Semester |  |
| PHY 211 General Physics with lab I | 4 | MAT 129 Calculus I | 4 |
| EGT Elective2 | 3 | EGT 211 Quality Control | 3 |
| EGT 267 Programming for Engineering Applications | 3 | EGT Elective2 | 3 |
| EGT 261 Engineering Materials | 3 | Gen Ed | 3 |
| EGT 260 Industrial Standards, Safety & Codes | 3 | Gen Ed | 3 |
|  |  |  |  |
| **Total** | 16 | **Total** | 16 |
| THIRD YEAR | Fall Semester |  | Spring Semester |  |
| EGT 310 Project management and Problem Solving | 3 | PHY 213 General Physics with lab II | 4 |
| EGT 300 Statics and Strength of Materials | 3 | EGT 340 Applied Dynamics | 3 |
| EGT 365 Tool Design and Computer Numerical Control | 3 | EGT Eletive2 | 3 |
| EGT 386 EM Instumentation & Control | 3 | EGT 320 Robotic Systems & Material Handling | 3 |
| EGT 301 Cooperative Education in Engineering technology | 3 | Gen Ed | 3 |
| **Total** | 15 | **Total** | 16 |
| FOURTH YEAR | Fall Semester |  | Spring Semester |  |
| EGT 361 Fluid Power | 3 | EGT 405  Metrology and GDT | 3 |
| EGT 480 Machine Design | 3 | EGT Eletive2 | 3 |
| EGT 317 Intro to Capstone Project | 1 | EGT 417 Senior Design in Technology (repeat) | 2 |
| EGT Eletive2 | 3 | EGT 450 Thermodynamics and Heat Transfer | 3 |
| Gen Ed | 3 | Elective to graduate with 120 hours | 2 |
|  |  |  |  |
| **Total** | 13 | **Total** | 13 |
| **Grand total** | | | | **120** |
|  | | | | |
| 1 Qualified students (ENG ACT ≥26) should take ENG 104 instead of ENG 101 and EGT 291W.   2 Students must have one of the following concentrations (Design or Quality) plus one optional course, in consultation with their advisor: EGT 412 and EGT 462; or EGT 321 and EGT 411. One of the followings: EGT 280, EGT 318, EGT 362, EGT 423 and EGT 465. | | | | |