

MAJOR: Mechanical and Manufacturing Engineering Technology

| FIRST YEAR | Fall Semester | | Spring Semester | |
|---|---|---|---|---|
| | EGT 116 Intro to Industrial Materials and Processes | 3 | EGT 265 Manufacturing Processes and Metrology | 3 |
| EGT 161 DC Circuit Analysis | 3 | EGT 212 Computer Aided Drafting and Design | 3 | |
| MAT 119 Pre-Calculus Mathematics | 3 | Gen Ed Oral Communication: CMST 101 Public Speaking | 3 | |
| Gen Ed Written Comm I: ENG 101 College Writing ¹ | 3 | CHE 120 & 120L General Chemistry I with lab | 4 | |
| Gen Ed Self and Society | 3 | STA 205 Introduction to Statistical Methods | 3 | |
| TOTAL | 15 | TOTAL | 16 | |
| SUMMER | EGT 211 Quality Control | 3 | EGT 318 Introduction to Nanotechnology | 3 |
| SECOND YEAR | Fall Semester | | Spring Semester | |
| | PHY 211 General Physics with Laboratory I | 5 | MAT 227 Calculus B | 3 |
| MAT 128 Calculus A | 3 | EGT 320 Robotic Systems and Material Handling | 3 | |
| INF 120 Elementary Programming | 3 | Gen Ed Self and Society | 3 | |
| EGT 261 Engineering Materials | 3 | Gen Ed Written Communication II: EGT 291W Writing in Engineering Technology | 3 | |
| EGT Elective ^{3,4} | 3 | EGT Elective ^{3,4} | 3 | |
| TOTAL | 17 | TOTAL | 15 | |
| THIRD YEAR | Fall Semester | | Spring Semester | |
| | EGT 310 Project Management and Problem Solving | 3 | PHY 213 General Physics with Laboratory II | 5 |
| EGT 300 Statics and Strength of Materials | 3 | EGT 340 Applied Dynamics | 3 | |

| | | | | |
|-------------------------------|---|----|---|------------|
| | EGT 365 Tool Design and Computer Numerical Control | 3 | EGT 423 Planning and Design of Industrial Facilities ⁵ | 3 |
| | EGT Elective or Gen Ed Self and Society ³ | 3 | EGT Elective ³ | 3 |
| | EGT 301 Cooperative Education in Engineering Technology | 3 | Gen Ed Global Viewpoints: PHI 200 Ethics or SOC 100 Introduction to Sociology | 3 |
| | TOTAL | 15 | TOTAL | 17 |
| FOURTH YEAR | Fall Semester | | Spring Semester | |
| | EGT 361 Fluid Power | 3 | EGT 465 Automated Manufacturing Systems ⁵ | 3 |
| | EGT 380 Machine Design | 3 | EGT Elective or EGT 417 Senior Design in Technology (repeat) | 2 |
| | EGT 417 Senior Design in Tech | 3 | EGT 450 Thermodynamics and Heat Transfer | 3 |
| | EGT 317 Intro to Capstone Project | 1 | | |
| | Gen Ed Culture and Creativity | 3 | Gen Ed Culture and Creativity | 3 |
| | TOTAL | 13 | TOTAL | 11 |
| GRAND TOTAL OF CREDITS | | | | 125 |

¹ Qualified students (ENG ACT ≥ 26) should take ENG 151 instead of 101 and EGT 291W.

² It is not possible in four years to fulfill all MMET degree requirements without taking summer school or overloads or both, due to accreditation requirements. EGT 211 and EGT 318 are offered *only* in the summer.

³ Students must have one of the following concentrations (Design or Quality) plus two optional courses, in consultation with their advisor: EGT 412 and EGT 462; or EGT 321 and EGT 341. Two of the followings: EGT 260, EGT 280, EGT 362, EGT 386, EGT 405, and EGT 411.

⁴ EGT 321 is offered fall only-even years and EGT 341 is offered spring only-odd years.

⁵ EGT 423 and EGT 465 are offered in spring semesters only.

Shaded credits are part of the General Education requirements.