

Engineering Technology - MECHANICAL Concentration**Bachelor of Science**

NAME:

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| | Grade | Semester | Minimum Grade of D Required: | Grade | Semester | Minimum Grade of C required: | |
|----------------------------|-------|---|--|-------|---------------------------------------|---|-----------------------------------|
| ENGLISH (12 hrs) | | | ENGL 101 Freshman Composition (3 hrs) | | | OSHE 111 Introduction to OSHE (3 hrs) | ENGINEERING TECHNOLOGY (33 hrs) |
| | | | ENGL 102 Critical Reading and Writing (3 hrs) | | | ET 111 Engineering Graphics (3 hrs) | |
| | | | ENGL 230, 231 <u>or</u> 232 (3 hrs) | | | IT 407 Six Sigma Industrial Quality (3 hrs) | |
| | | | ENGL 322 Intro to Prof and Technical Writing (3 hrs) | | | ET 100 Introduction to Engineering Technology (3 hrs) | |
| NATURAL SCIENCE (15 hrs) | | | Biology - GBIO 151 (3 hrs) | | | ET 202 Computer Applications (3 hrs) | |
| | | | Biology - BIOL 152 (1 hr) | | | ET 213 Electrical Circuits (3 hrs) | |
| | | | Chemistry - CHEM 121 Lecture (3 hrs) | | | ET 241 Introduction to Engineering Materials (3 hrs) | |
| | | | Physics - PHYS 191 Lecture (3 hrs) | | | ET 305 Human Factors Engineering (3 hrs) | |
| | | | Physics - PLAB 193 Lab (1 hr) | | | ET 492 Project Management (3 hrs) | |
| | | | Physics - PHYS 192 Lecture (3 hrs) | | | ET 493 Senior Design I (3 hrs) | |
| GENERAL EDUCATION (17 hrs) | | | Physics - PLAB 194 Lab (1 hr) | | | ET 494 Senior Design II (3 hrs) | |
| | | | ART, DNCE, MUS, <u>or</u> THEA (3 hrs) | | | ET 205 Mathematical Methods for Engineering (3 hrs) | MECHANICAL CONCENTRATION (33 hrs) |
| | | | HIST 101, 102, 201, <u>or</u> 202 (3 hrs) | | | ET 212 Introduction to Programming (3 hrs) | |
| | | | COMM 211 Introduction to Public Speaking (3 hrs) | | | ET 271 Engineering Statics (3 hrs) | |
| | | | ECON 201 or ECON 202 (3 hrs) | | | ET 283 Manufacturing Processes (3 hrs) | |
| | | | ECON, PSYC, ANTH, SOC, <u>or</u> POLI (3 hrs) | | | ET 371 Engineering Dynamics (3 hrs) | |
| | | SE 101 or Free Elective (2 hrs) not required of transfer or re-admitted students with 30 hours or more. | | | ET 375 Applied Thermodynamics (3 hrs) | | |
| MATH | | | MATH 165 Precalculus with Trigonometry (3 hrs) | | | ET 376 Applied Fluid Mechanics (3 hrs) | Tech. Elec. |
| | | | MATH 200 Calculus I (5 hrs) | | | ET 381 Engineering Materials (3 hrs) | |
| | | | | | | ET 385 Mechanical Design (3 hrs) | |
| | | | | | | ET 386 Machines and Control (3 hrs) | |
| | | | | | | ET 478 HVAC (3 hrs) | |
| | | | | | | ¹ Technical Elective (3 hrs) | |
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¹Technical Electives can be chosen from:

IT 351 Machine Tool Technology

ET 400 Internship

ET 480 Advanced Strength of Materials

ET 484 Advanced Manufacturing Techniques

ET 488 Robotics and Automation

IT 444 Computer Integrated Manufacturing (CIM)