The Bachelor of Science in Engineering Technology emphasizes the study of industrial, production, and mechanical engineering technology principles, to prepare graduates for engineering technology positions in industrial and laboratory settings.

**CORE COURSEWORK: 69 HRS**
- EGT 1303 Engineering Technology Applications
- EGT 1323 (AET 1323) Computers for Engineering Technology
- DGT 1363 Introduction to Graphics Technology
- EGT 1413 Introduction to Engineering Technology
- EGT 2004G Materials Science and Evaluation
- EGT 2043 Computer-Aided Engineering Drawing
- EGT 2324 Electricity and Electronic Controls
- EGT 2424 Manufacturing and Fabrication Processes
- EGT 2773 Safety for Engineering Technology Professionals
- CMG 2953 Statics and Strength of Materials
- EGT 3063 3-D Modeling
- EGT 3414 Engineering Technology Project Management
- EGT 3663 CNC and Rapid Prototyping
- EGT 3703 Machine Design
- EGT 3763 Automation and Data Capture
- TEC 4275 Industrial Internship
- EGT 4503 Engineering Technology Cost Analysis
- EGT 4704 Engineering Technology Capstone
- EGT 4753 Lean Manufacturing
- OPD 4835 Supervision in Organizations
- EGT 4843 Statistical Quality and Reliability
- EGT 4943 Manufacturing Management

**MATHEMATICS: 6-7 HRS**
- MAT 1271 College Algebra
  - OR MAT 1330 Analytical Trigonometry
- MAT 2250G Elementary Statistics

**PHYSICAL SCIENCE: 4 HRS**
- PHY 1151G Principles of Physics I
- PHY 1152G Principles of Physics I Laboratory

**MAJOR ELECTIVES: 12 HRS**
Students in Engineering Technology will be able to take 12 hours of elective courses from the School of Technology to broaden their educational experience. This will require students to take other upper division courses to meet the University requirements. Currently approved engineering technology course electives are listed in the table below. Upon approval from the EGT Program Coordinator and SOT Department Chair, students may also take upper division courses in Computer & Information Technology, Construction Management, or the Digital Media programs in the School of Technology as electives.

**ENGINEERING TECHNOLOGY ELECTIVES:**
- CIT 4183 Microcomputer Interfacing and Data Acquisition
- CMG 4913 30 Hour OSHA Certification for Construction
- EGT 3103 Robots and Control Systems
- EGT 3253 Energy Technology
- EGT 3453 Renewable Energy
- EGT 3753 Biometrics in Engineering Technology
- EGT 3803 Engineering Technology Ergonomics
- EGT 4763 Work Measurement and Method Design
- EGT 4803 Plant Layout and Material Handling
- EGT 4823 Facility Security
- EGT 4903 OSHA Certification for General Industry
- TEC 3920 Independent Study
- TEC 4000 Undergraduate Research
- TEC 4275 Industrial Internship
- TEC 4275A Industrial Internship I
- TEC 4444 Honors Independent Study
- TEC 4444A Honors Independent Study I
- TEC 4555 Honors Research
- TEC 4644 Honors Thesis
- TEC 4800 Management of Innovation and Technology
- TEC 4970 Special Topics in Technology

**TOTAL MAJOR HOURS: 124-125 HRS**