ENGINEERING TECHNOLOGY (ENGT)

ENGT 12005  APPLICATIONS IN COMPUTER-AIDED DESIGN  2 Credit Hours
Course for training on the use of a popular, computer-aided drafting and design software. Practice with the advanced features of the software applicable to modern design in the graphics, mechanical, industrial and electronics fields.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

ENGT 20192  INTERNSHIP IN ENGINEERING TECHNOLOGY (ELR)  2 Credit Hours
(Repeatable for credit) Supervised internship experience in approved business or industrial environment relative to the student’s major. The internship experience must be for a period of at least 12 consecutive weeks at 25 hours per week, or 20 hours per week for 15 weeks, totaling not less than 300 hours. Most co-ops occur during the summer.
Prerequisite: Sophomore standing; and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 20 other
Grade Mode: Standard Letter
Attributes: Experiential Learning Requirement

ENGT 22000  STATISTICAL PROCESS CONTROL  4 Credit Hours
Process variability, process monitoring, statistical methods using control charts for variables and attributes; acceptance sampling plans; process capability, process adjustment, process improvement.
Prerequisite: Special approval.
Schedule Type: Lecture
Contact Hours: 4 lecture
Grade Mode: Standard Letter

ENGT 22003  SUPERVISION AND LABOR RELATIONS  5 Credit Hours
Practical methods and techniques for improving supervision and labor relations in industry. Personnel and performance evaluation, implementing policy, labor contracts, collective bargaining, wage and salary administration.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 5 lecture
Grade Mode: Standard Letter

ENGT 22006  ECONOMIC DECISION ANALYSIS  3 Credit Hours
Economic decision making for industrial engineering technology with applications emphasis, estimating economic elements, interest and economic equivalence, methods of comparing alternatives and evaluating replacement alternatives.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: TAG Engineering

ENGT 22010  COMPUTER INTEGRATED MANUFACTURING  3 Credit Hours
Planning, developing and implementing a strategy to control and coordinate all the engineering production and business operations within a manufacturing enterprise.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

ENGT 33095  SPECIAL TOPICS IN ENGINEERING TECHNOLOGY  1-4 Credit Hours
Special topics of immediate interest in engineering technology.
Prerequisite: Junior standing.
Schedule Type: Lecture
Contact Hours: 1-4 lecture
Grade Mode: Standard Letter

ENGT 43092  ENGINEERING TECHNOLOGY PRACTICUM (ELR)  1-3 Credit Hours
(Repeatable for a maximum to 3 credit hours) Supervised work experience. One credit hour for 50 work hours.
Prerequisite: None.
Schedule Type: Practicum or Internship
Contact Hours: 3.33-10 other
Grade Mode: Satisfactory/Unsatisfactory
Attributes: Experiential Learning Requirement