ENGT 22005  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 22010  COMPUTER INTEGRATED MANUFACTURING  3 Credit Hours
A practical, hands-on experience which emphasizes the integration of analytical and design skills acquired in companion courses. Students will work in teams under direct faculty supervision. Engineering communication such as reports and oral presentations are covered. The capstone design projects include creative and challenging projects within the engineering discipline.
Prerequisite: None.
Corequisite: ENGT 22014.
Schedule Type: Lecture
Contact Hours: 1 lecture, 2 lab
Grade Mode: Standard Letter

ENGT 22009  ENGINEERING TECHNOLOGY PROJECT  2 Credit Hours
A practical, hands-on experience which emphasizes the integration of analytical and design skills acquired in companion courses. Students will work in teams under direct faculty supervision. Engineering communication such as reports and oral presentations are covered. The capstone design projects include creative and challenging projects within the engineering discipline.
Prerequisite: None.
Corequisite: None.
Schedule Type: Lecture
Contact Hours: 20 other
Grade Mode: Satisfactory/Unsatisfactory

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 22014  ENGINEERING TECHNOLOGY PRACTICUM (ELR)  1-3 Credit Hours
(Repeatable for credit) Supervised work experience. One credit hour for 50 work hours.
Prerequisite: Sophomore standing; and special approval.
Schedule Type: Practical Experience
Contact Hours: 2 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 42003  LEAN MANUFACTURING, SIX SIGMA AND OPERATIONS TECHNOLOGY  3 Credit Hours
Designed to provide a better understanding of the components and underlying philosophy of Theory of Constraints, Lean, and Six Sigma and how the elements and philosophies work together to support an companies operational plan.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 4 lecture
Grade Mode: Standard Letter

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 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: Practical Experience
Contact Hours: 3.33-10 other
Grade Mode: Satisfactory/Unsatisfactory
Attributes: Experiential Learning Requirement