

### **IET 3398: IET Internship**

#### **1-4 Credit Hours**

*Prerequisite: Department Chair Approval*

This course is a structured experience in a supervised setting with an industry partner that is related to Industrial Engineering Technology. The goal is for student's to attain more practical experience while using their acquired academic skills.

### **IET 3403: Probability and Statistics II**

#### **3 Credit Hours**

*Prerequisite: (IET 2227 or STAT 1401) and MATH 1113*

This second of a two-course sequence covers hypothesis testing for means, proportions and variances (one and two samples), categorical data analysis (chi-square contingency tables and goodness-of-fit tests), one- and two-way analysis of variance, experimental design, and introduction to regression analysis, all with engineering applications. Techniques for gathering, analyzing, and presenting technical and engineering data are presented. Computer-based solution techniques are used where appropriate.

### **IET 3410: Principles of Team Dynamics**

#### **3 Credit Hours**

Students will learn the skills and techniques to succeed as a team member in the workplace. Topics include leadership and communication skills, social influences, decision making, problem solving techniques, and team development.

### **IET 3424: Engineering Economy**

#### **3 Credit Hours**

*Prerequisite: MATH 1113 or STAT 1401*

*Concurrent: MATH 1190*

As an introduction to the effect of the time value of money, this course will use equivalent annual cost, present worth, internal rates of return, and benefit to cost ratios in making economic analysis. Tax consequences, replacement theory and economic life will be examined in the analysis of engineering problems.