ENERGY TECHNOLOGY (ENE)

ENE 108 Intro to Data Center Operations (3 CR.)
Provides the foundational aspects of data center fundamentals, data center compliance, operations, and physical infrastructure. Introduces mission critical operations as they apply to data centers. Teaches students the physical components of a data center, its interoperability, and the usage of data center equipment in a simulated data center environment. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

ENE 195 Topics In: (1-5 CR.)
Exploration of topical areas of interest to or needed by students. May be used also for special honors courses. May be repeated for credit. Variable hrs.

ENE 208 Critical Site Operations (3 CR.)
Provides a complete overview of a data center such as power systems, communications systems, cooling systems and fire and intrusion detection systems. Introduces commissioning and decommissioning concepts as they apply to data centers. Provides hands-on experience through laboratory exercises. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.
Prerequisite(s) ENE 108

ENE 228 Building Automation & Energy Management Systems (3 CR.)
Introduces building automation and energy management systems. Studies how building systems HVAC, lighting, security systems, and alternative energy--can communicate through a network of intelligent control devices. Emphasizes how these controlling devices work together in common automation. Lecture 2 hours, Lab 2 hours, Total 4 hours per week

ENE 295 Topics In (1-5 CR.)
Exploration of topical areas of interest to or needed by students. May be used also for special Honors courses. May be repeated for credit. Variable hours.