Information Technology Technical Minor
24 credits, 2014/2015 Catalog

The IT Technical Minor (24 credit hours) - The IT Technical Minor enforces basic scientific prerequisites and requires students to attend three core IT courses meant to give them the conceptual and technical basis necessary to successfully dwell in more advanced topics. The elective part of the technical minor is composed of two electives to be chosen from a larger set of courses, including database systems and operating systems.

Prerequisite Courses:

COP 2930 IT Programming Concepts (3 credit hours)
MAD 2104 IT Discrete Math (3 credit hours)
PHY XXXX Physics (3 credit hours)

Required Courses:

CGS 3303 IT Concepts (3 credit hours)
COP 3515 Program Design for IT (3 credit hours)
EEL 4854 Data Structures and Algorithms for IT (3 credit hours)

Select four courses from the following list:

CDA 3101 Computer Organization for IT (3 credit hours)
CEN 3722 Human-Computer Interfaces for IT (3 credit hours)
CEN 4031 Software Engineering Concepts for IT (3 credit hours)
CIS 4361 IT Security Management (3 credit hours)
CIS 4412 IT Resource Management (3 credit hours)
COP 4610 Operating Systems for IT (3 credit hours)
COP 4703 Database Systems for IT (3 credit hours)
EEL 4782 Computer Information Networks for IT (3 credit hours)
ETG 4931 Special Topics in Technology I (1-5 credit hours) or elective from IT electives list
ETG 4932 Special Topics in Technology II (1-5 hrs.) or elective from IT electives list