

# Minor in Information Technology (ITC)

**21 Credit Hours**

**College of Engineering**

## Minor Description

The Information Technology minor covers key topics in the discipline and is a 21 credit hour program that is expected to be attractive to students in other Engineering departments and to students in Mathematics and the Sciences (including Physics, Chemistry, and Biology) who have no background in software development.

The Information Technology minor is open to all students, except for students majoring in Computer Science, Computer Engineering, and Information Technology, who meet the prerequisites as listed below.

**All students desiring to pursue the minor must meet the same entry and continuation requirements as a Departmental major, see <http://www.usf.edu/engineering/cse/undergraduate/admissions.aspx>.**

## Prerequisite course (3 credit hours):

- Discrete Mathematics ([MAD 2104](#) or equivalent) is required for Advanced Program Design ([COP 3515](#)).

## Total Minor Hours - 21 Hours

## Core Courses - 15 Hours

- [CGS 1540](#) Introduction to Databases for Information Technology
- [CGS 3303](#) IT Concepts
- [COP 2512](#) Programming Fundamentals for Information Technology
- [COP 2513](#) Object Oriented Programming for Information Technology
- [COP 3515](#) Advanced Program Design for Information Technology

## Elective Courses - 6 Hours

Two Departmental electives of student's choice (in consultation with advisor) for which prerequisites have been met.

## Additional Minor Requirements

Students must register with the department undergraduate advisor prior to starting this minor program. Consultation with the department undergraduate advisor will ensure that students are informed of all offered courses. All catalog prerequisites and registration requirements must be met for enrollment in any of the courses required for the minor.

**GPA Requirement**

Successful completion of the minor requires a minimum 2.0 GPA in the above listed courses.

**Advising Information**

Department Undergraduate Advisor:

<http://www.usf.edu/engineering/cse/undergraduate/contacts.aspx>