INFORMATION TECHNOLOGY (ITC)

ITC 101. Introduction to Information Technology. (3 Units)
Designed to introduce the fundamentals of information technology. This includes, introduction to a variety of computer tools and computer concepts with an emphasis on information technology
Offered Fall, Spring

ITC 251. System Programming in C and Unix. (3 Units)
Prerequisite: CSC 121 is required. Provides a substantial exposure to the C programming language and the Unix programming environment for students with some prior programming experience but minimal exposure to C.
Offered Fall, Spring

ITC 300. Security in a Digital Society. (3 Units)
This course provides students with an understanding of what is involved in the journey of positioning the computer, security, privacy, internet, and cloud as a valuable service provide to the business and personal life of the digital society.
Offered Fall, Spring

ITC 310. IT Project Management. (3 Units)
Prerequisite: CSC 301 is required. Aims to provide students with the basic skills, knowledge and competence to effectively understand and manage information technology projects. This course prepares students to gain a practical and theoretical foundation for managing IT projects.
Offered Fall, Spring

ITC 395. Selected Topics in Information Technology. (1-3 Units)
Prerequisite: Consent of Instructor. Content varies. Topics in computer technology not covered by current course offerings. May be used for elective credit in departmental programs. Subject to approval.
Offered As needed

ITC 399. IT Practicum. (3 Units)
Prerequisite: Consent of instructor is required. The information technology internship program allows students to gain hands-on experience in a technology environment by spending one semester as an intern in the Information Technology Division or a related area. The internship program provides students with the opportunity to gain technical experience related to their studies and to prepare them for future career opportunities in the field. CR/NC grading only.
Offered Fall, Spring

ITC 453. Database Management Systems (DBMS). (3 Units)
Prerequisite: CSC 311 is required. Covers the design methodology process for databases and how to verify its structural correctness. Students will learn how to implement databases and applications software, primarily in the relational model. This is through using querying languages, primarily SQL, and other database supporting software; and applying the theory behind various database models and query languages. It also includes implementing security and integrity policies relating to databases working in group settings during design.
Offered Fall, Spring

ITC 459. IT Security. (3 Units)
Prerequisite: CSC 311 or consent of instructor is required. Information Technology Security aims at securing systems that remain dependable in the face of malice, error or mischance. This course covers a number of principles, methods, tools and good practices to secure systems.
Offered Fall, Spring

ITC 492. Senior Design. (3 Units)
Prerequisite: ITC 453 is required. Intensive study under the guidance of a member of the Information Technology (IT) faculty to complete a research project from start to end. Students will study system design and total project planning and management. A formal written report and oral presentation will be required.
Offered Fall, Spring