

# INFORMATION TECHNOLOGY AND E-COMMERCE (ITEC)

---

**ITEC 3155 Business Data Skills and Concepts (4 Credits)**

This course is designed to give students an understanding of the technology underlying accounting information systems and help students develop more advanced data analysis skills. We will use the programming language Python to develop an understanding of the digital business logic that supports the operations of modern firms. We will learn to use Business Process Modeling Notation (BPMN) to graphically document operations and their underlying business logic. We will discuss and analyze a set of studies that use survey data from a global sample of executives and analysts to develop an understanding of the levels of technological sophistication in modern firms. We will also discuss and analyze distributed databases, information security, and eXtensible Business Reporting Language. Prerequisites: ACTG 3034, ACTG 3038 and ACTG 3037.

**ITEC 3325 Emerging Technologies (4 Credits)**

This course is for students who want a strategic edge: to understand how the advanced information technologies that are emerging today will impact business in the near to medium future. This course will equip students with an understanding of the key information technologies central to the knowledge economy, their current and prospective business uses, and lifelong skills in how to think about business uses of these technologies - to identify, critically analyze, and evaluate them. This course is for students who want to become key players in the coming economy by combining substantial understanding of the technology side with substantial understanding of the business side – applications and strategy. Prerequisites: INFO 2020.

**ITEC 3980 Internship (1-5 Credits)**

Practical experience (field study); requires written report. Instructor approval required.

**ITEC 3991 Independent Study (1-8 Credits)**

Independent research/study; requires written report. Instructor approval required.