Prerequisites: COSC 4311   **Offered: Spring/Yearly**

COSC 4324   Emerging Technology Solutions for Business   3 Credit Hours
This course is for Business majors and computer science majors. In order for this class to work, there must be a mixture of students from both disciplines. Students investigate various emerging technologies for both their business and technical potential. Teams pairing business students with computer science students will explore whether there are any business opportunities in the emerging technologies that could are exploited for a new business. Business plans and technical plans are put together as a class project. The students have an opportunity to compete in the Moot Corp competitions that are nationwide. This course may have an equivalent Business course number.
Prerequisites: MGMT 3311, or instructor approval   Offered: As Needed

COSC 4325   Electronic Commerce and the Internet   3 Credit Hours
The course provides students an understanding of issues associated with conducting electronic commerce on the Internet through case studies, in-class discussions, lectures, and course projects. Students develop an understanding of current practices and opportunities in electronic publishing and advertising, electronic shopping and distribution, and become familiar with related software development tools of HTML, XML, and others. The course will include Internet-based procurement and supply chain management issues; ethical and legal issues; and examples of successful and unsuccessful Internet firms. The course provides students with an overview of some of the technical aspects of Web site development methods and construction. The course also explores several of the problems surrounding electronic commerce such as security.
Prerequisite: Upper division standing in Computer Science   Offered: As Needed

COSC 4366   Computer Graphics   3 Credit Hours
This course is an introduction to computer graphics. Topics included are raster graphics algorithms, graphics hardware and software, projections in 3-D, geometrical transformations, object hierarchy, dialogue design, achromatic and colored light in the quest for visual realism.
Prerequisite: MATH 2414   Offered: As Needed

COSC 4367   Special Topics in Computer Science   3 Credit Hours
Special topics include: compiler design, parallelism and concurrency, computer vision, database principles, computer communications networks, internetworking and intranet working, genetic and neural computing, and simulation. Students may repeat the course as topics vary.
Prerequisites: Instructor approval   Offered: Spring/Yearly

PRE-ENGINEERING PROGRAM

(Huston-Tillotson University and Prairie View A&M University)

Mission

The Pre-engineering Program is to provide an opportunity for students to combine educational experiences at a small liberal arts college and a large state-supported university that lead to baccalaureate degrees in mathematics and engineering.