

INFORMATION TECHNOLOGY (ITEC)

ITEC 2215. Intro to Information Techn. (3 Credits)

Prerequisite: Busa 2101 or Csci 1101 Credit Hours: (3-0-3) An introduction to the nature and applications of Information Technology (IT). Topics covered include the concepts and terminology of IT, particularly hardware, software, networks, databases, and the Internet. Students also study examples of ways in which the tools of IT are applied in the workplace.

ITEC 2220. Web Design & Development. (3 Credits)

Prerequisite: ITEC 2215, BUSA 2101, or CSCI 1101 Credit Hours: (3-0-3) This course introduces the student to the language of Hypertext Markup Language (HTML), Cascading Styles Sheets (CSS), and Extensible Markup Language (XML) for creating web pages that are compliant with current web standards. Students will create, publish, test, and maintain Web pages using HTML, CSS, and XML.

ITEC 2245. Foundations of Database Design. (3 Credits)

Prerequisite: BUSA 2101, ITEC 2215, or CSCI 1101 Credit Hours: (3-0-3) This foundational course presents terminology, basic concepts, and applications of database processing including file organization and data structures. The course emphasizes database design using various modeling techniques; database implementation using the relational model, normalization, and SQL. Students will design, create and process a database to demonstrate competency in the course content.

ITEC 2900. IT Professional Internship. (3 Credits)

Provides practical information technology experience in a professional setting. The student will be under the supervision of an information technology professional, who will allow the student to apply their knowledge of the profession and gain new and relevant skills. Grade of C or better in two of the following: ITEC 2215, ITEC 2220, ITEC 2245, CSCI 1101, or CSCI 1301.