

IT 3423: Operating Systems Concepts & Administration

3 Credit Hours

Prerequisite: IT 3123 or CS 3503.

This course is an introduction to basic operating system principles. Topics include memory management, peripheral device management, file system management and process management. Different types of operating systems and their administrations are studied. Projects are carried out with simulations.

IT 3503: Foundations of Health Information Technology

3 Credit Hours

Prerequisite: ENGL 1102

This course introduces students to the field of health information technology (HIT). Students will become familiar with the content, use, and structure of the health care data and medical records, health information management, the fundamentals of healthcare workflow and process analysis and redesign as a necessary component of complete practice automation, and health information systems. Students will also become familiar with the health care delivery systems in the U.S. and IT organizations and resources.

IT 3703: Introduction to Data Analytics and Technology

3 Credit Hours

Prerequisite: IT 3123

Concurrent: CSE 3153 or CS 3410

This course provides a comprehensive overview of processing technologies, systems, and application. Latest trends in data analytics, big data, and data science will be introduced.

IT 3883: Advanced Application Development

4 Credit Hours

Prerequisite: ((IT 1114 and IT 1114L with 'C' or better) or (CSE 1321 and CSE 1321L with C or better)) and (CSE 3153 or CS 3410 with 'C' or better)

This course will allow students to learn a second programming language and application development. Topics include review of language fundamentals, features of the programming language and development environment, and software development processes. This course will include course projects for hands-on experience with processes and tools.