

Information Technology Concentrations

The IT Concentrations are **Digital Forensics, Network Technologies & Administration, Information Assurance and Security, Integrated Digital Media, Software Development, and Gaming Design and Development, and Health Informatics**. In order for a student to receive an IT Concentration, he/she must take at least 15 hours of coursework within a concentration. In addition to the courses listed, special topics courses may also be used to satisfy concentration requirements as approved by the Chair of the School of Information Technology.

Network Technologies & Administration

The Network Technologies & Administration concentration educates students in the use of current concepts and technologies of networking. Students will learn to analyze the needs of organizations, communicate the needs to the users, and then design and build networks to meet those needs. Graduates will be prepared for positions in networking or systems administration.

Students should choose five courses from the following list:

- ITEC 3325 - Windows System Administration Credit: 3 hours
- ITEC 3328 - Linux Systems Administration Credit: 3 hours
- ITEC 4242 - Database Administration Credit: 3 hours
- ITEC 4285 - Web Server Administration Credit: 3 hours
- ITEC 4321 - Forensics/Data Recovery Credit: 3 hours
- ITEC 4324 - Wireless Technologies Credit: 3 hours
- ITEC 4329 - Data Communications Credit: 3 hours
- ITEC 4370 - Virtual Computing Credit: 3 hours
- ITEC 4421 - Network Security (D&E) Netw(re)-3dTw 12 a

The Information Assurance and Security concentration involves detecting, reporting, and responding to cyber threats, making encryption codes to securely pass information between systems, and taking appropriate measures to ensure the security of valuable information. Students will learn about digital evidence, computer crime and law, and server and network security important to law enforcement, forensic science, and information systems security.

- ITEC 4238 - 2D Computer Animation Credit: 3 hours
- ITEC 4250 - Artificial Intelligence Credit: 3 hours
- ITEC 4255 -

Required Electives Credit: 6 hours

Select two courses from the following:

- HLSA 3350 - Public Health and Epidemiology Credit: 3 hours
- HLSA 3360 - Quality Management and Improvement Credit: 3 hours
- HLSA 4410 - Health Law and Ethics Credit: 3 hours
- HLSA 4435 - Managed Care Credit: 3 hours