

## Computer and Information Technology

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The Computer and Information Technology Department offers associate degrees in computer information systems and computer science. Students who earn the computer information systems degree may continue in any of the department's four Bachelor of Technology (BTech) degree programs. The computer science degree program is primarily designed to allow students to transfer into a college that offers a Bachelor of Science degree program in computer science; however, after completing their first year of study, computer science students have the opportunity to transfer into either our computer information systems AAS degree or into one of our four BTech degrees.

The department offers four Bachelor of Technology degree programs in network administration, applications software development, web development, and cyber security. Students may enter these programs as freshmen or transfer in as juniors from related associate degree programs. Articulation agreements have been developed with several community colleges to facilitate transfers. All of our degree programs provide our students with a solid foundation in the four core areas of information technology: application programming, web programming, network administration, and information security. At the end of their sophomore year, students are then allowed to select the BTech degree that best matches their academic interests. Our degrees incorporate the latest technology, including mobile application development, secure software development, life cycle processes, cloud computing, wireless networking, and neural programming. Our programs also stress the soft skills necessary in the working environment by requiring students to take courses in business management, technical writing, speech, business communications, project management, and business accounting.

### MISSION

Provide training and education in the use of computers and computational techniques for associate and bachelor's degree programs. Technical and professional education is provided with dynamic, up-to-date topics and hardware for the rapidly changing needs of an increasingly technological society.

### FACILITIES

- **Laboratories** - Students are allowed 24-hour access to labs equipped with state-of-the-art software and hardware. Our laboratories provide students with ample hands-on experience, giving them a considerable edge in the highly competitive computer and information technology job market. Our labs are constantly being updated to keep current with advancing technology.
- **Software, certifications, licenses, etc.** - The college has academic licenses for VMWare software products, all Microsoft software, a blade server with 128 gigabytes of RAM and a 12-terabyte storage array, a Cisco Certified Academy, three Cisco-certified instructors, Cisco Adaptive Security firewalls, Juniper application firewalls, Juniper routers, Juniper SSL VPN concentrators and an Oracle blade server, a certified Juniper academy and VMWare IT academy, an academic license with Oracle, Adobe Creative Suite 6.0, a dedicated systems lab used for microcomputer configuration, and a Pearson VUE, Prometric and Certified Internet Web Professional certification testing center.

**Please note:** All entering students are required to purchase a laptop computer. The laptop enables students to have access to program-specific software via the wireless network on campus.

### DEPARTMENT PROGRAMS

- [Computer Information Systems](#) (AAS)
- [Computer Science](#) (AS)
- [Cyber Security](#) (BTech)
- [Information Technology: Applications Software Development](#) (BTech)
- [Information Technology: Network Administration](#) (BTech)
- [Information Technology: Web Development](#) (BTech)