SCHOOL OF SCIENCE
AND TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE IN INFORMATION TECHNOLOGY

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

AND

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

DEPARTMENTAL DESCRIPTION

The Associate in Applied Science in Information Technology, the Bachelor of Science in Information Technology, and the Bachelor of Computer Science degree programs are offered in the Department of Computing and Technology at Cameron University.

Computing and technology curricula are flexible and provide inter-disciplinary opportunities. Students are thus enabled to customize the individual and professional experience with experiential learning components embedded throughout the curriculum. The curricula are easily adaptable to accommodate the fast-paced technological changes in society. These programs are continually updated to ensure students are receiving cutting edge technology knowledge to prepare them for a successful career. The department is committed to preparing students as lifelong learners to succeed in a diverse and ever-changing environment.

MAJOR DESCRIPTION

A Bachelor of Science degree with a major in Information Technology (IT) or Computer Science can lead to an industry career or to graduate school. IT professionals are problem solvers who solve hardware, network, and software problems. They troubleshoot solutions, support hardware, support software and network applications, and design software and network solutions. These professionals are required by industries in America ranging from business, government, schools, health care, military, research, and more.

Cameron's Department of Computing and Technology programs are designed according to state-of-the-art curriculum guidelines provided by industry and the appropriate professional societies such as the Association of Computer Machinery (ACM), Association of Information Technology Professionals (AITP), and the IEEE Computer Society.

Students who major in IT at Cameron take a core of classes in computer programming, databases, networking, information assurance and network security, human computer interface design, and systems analysis and design. Students also choose a concentration in Computer Information Systems, Management Information Systems, or Information Assurance and Security. In four years, a full-time student can complete both an associate degree and a bachelor's degree in Information Technology. The associate degree in Information Technology can be completed in two years of full-time study at Cameron University. Students desiring to continue their education by working toward a bachelor's degree can do so seamlessly. Students finishing the associate degree in IT can complete a Bachelor of Science degree with a major in IT along with an IT specialty in another two years of full-time study.

Students who major in Computer Science at Cameron take core classes in computer architecture, programming, databases, networking, algorithm analysis, software engineering, operating systems, and information assurance and network security.

DEPARTMENT ACTIVITIES

Many of the students in the IT program participate in a local chapter of the international professional society

known as AITP, the Association of Information Technology Professionals. The AITP chapter has professional seminars where industry experts speak, field trips where they go to local industry sites, and social activities where they meet and enjoy fellowship. Many times, AITP members also go to regional and national AITP student conferences where they learn the latest innovations in CIS and IT. At these conferences, they also network with prospective employers and colleagues.

Computer Science students participate in the local chapter of Association of Computing Machinery (ACM). ACM is an international professional society that brings together computing educators, researchers, and professionals to inspire dialogue, share resources, and address the field's challenges. As the world's largest computing society, ACM strengthens the profession's collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for lifelong learning, career development, and professional networking.

CAREER OPPORTUNITIES

Career opportunities will continue to be strong and job growth will be high in all of the computing and technology disciplines, especially in the software development and network security field. Expertise obtained in these disciplines provides access to expanding career opportunities in a global economy as well as significant opportunities in the local industrial complex surrounding the Lawton-Fort Sill/Duncan area.

FOR MORE INFORMATION CONTACT:

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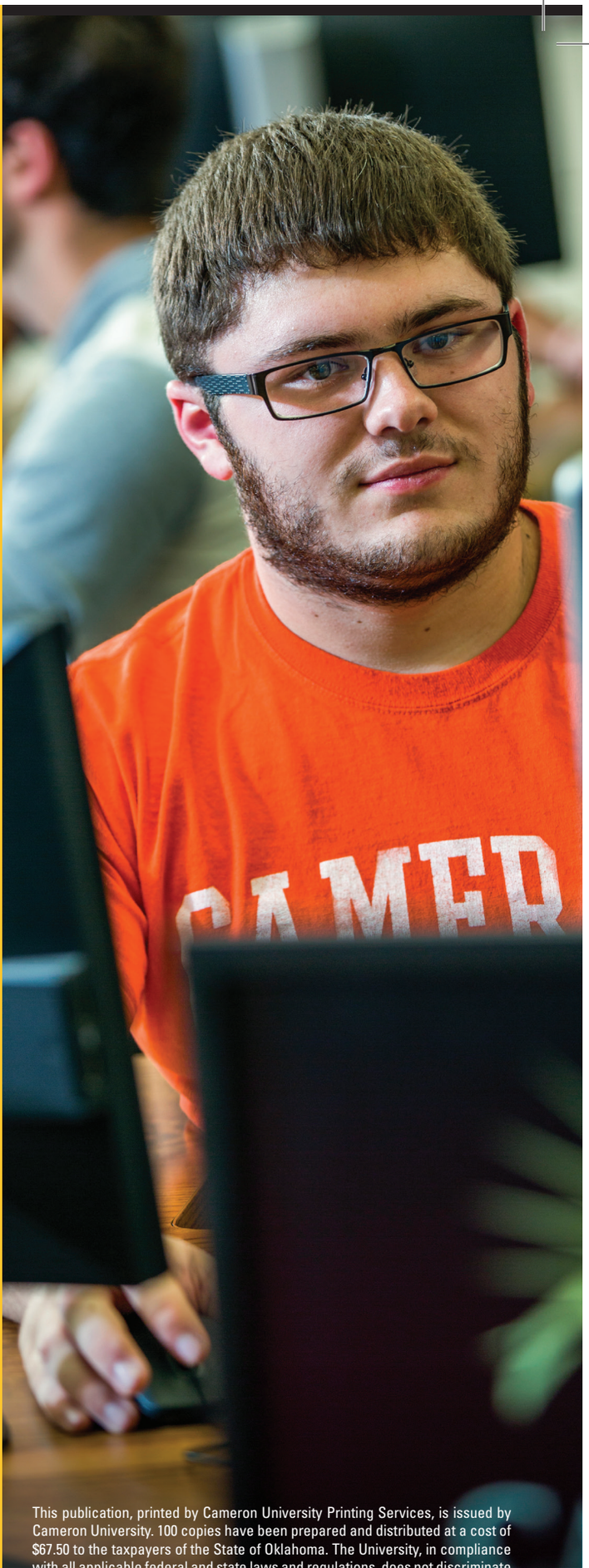
580-581-2289
admissions@cameron.edu

CAMERON UNIVERSITY

WWW.CAMERON.EDU



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