The Department of Information Systems at the W. P. Carey School of Business offers students an excellent chance to learn about the information value chain, business processes workflows, systems integration networks, databases, and structured and agile development. Department faculty members have diverse professional interests and real-world experience, both of which enrich the learning environment. An in-demand degree, computer information systems helps you unlock a range of opportunities in industry, consulting, nonprofit organizations, and government. Students majoring in computer information systems are prepared for a variety of specializations, including systems analysis, business applications programming, business database design, and decision support systems. The Bureau of Labor Statistics expects employment of computer and information systems managers is to grow 22% through 2022. On average, computer information systems graduates earn a starting salary between $50,000 – $60,000, according to data from the National Association of Colleges and Employers (NACE).

Career Pathways for Computer Information Systems Majors

Students who complete the W. P. Carey computer information systems degree have the skills necessary for any of these careers:

- Business Analysts
- Business Intelligence Analysts
- Computer Network Architects
- Computer Network Support Specialists
- Computer Programmers
- Computer and Information Research Scientists
- Consultants
- Computer and Information Systems Managers
- Database Administrators
- Database Architects
- Document Management Specialists
- Geographic Information Systems Technicians
- Geospatial Information Scientists and Technologists
- Information Security Analysts
- Network and Computer Systems Administrators
- Search Marketing Strategists
- Software Developers, Applications
- Software Developers, Systems Software
- Software Quality Assurance Engineers
- Systems Analysts
- Telecommunications Engineering Specialists
- Web Administrators

Systems Analyst

Work with decision-makers from all areas of business to develop projects that meet the information needs of users. Design and manage specifications for applications, analyze system usage and performance, and recommend improvements.

User Support and Systems Administration

Provide technical assistance, educate, and deliver administrative support to users, maintain hardware and software.

Website and E-commerce Development

Design website layout, web programming, and application development to protect sites against security breaches.

Consultant

Design, implement, and install information systems and networks. Review and analyze existing systems to improve efficiency, security, and operating processes. Select and install computer packages, training, and subsequent support for users.

Systems Assurance and Business Systems

Perform business system selection, applications audit, IT project management, IT product sales, business process analysis, and IT strategy development.

Database Administration

Develop, implement, update, test, and repair a company’s server database. Monitor performance, archive and backup information while assuring the security of confidential information stored in the system.

Software and Applications Development

Develop code, evaluate and arrange maintenance and support, support project management, build systems and sub-systems, cooperate with systems architect and/or system designer, and analyze system routines/modules.
Student Organizations

Department of Information Systems Club (DISC)

Arizona State University’s Department of Information Systems Club (DISC) is a dynamic organization comprised of motivated professionals in training. Primarily pursuing computer information systems and business data analytics degrees, DISC members are well-versed in computing, analytics, and business. While university degrees familiarize students with a wider variety of practices and concepts, DISC puts them into action. Career development, leadership, collaboration, and community involvement are DISC priorities, all of which help student members gain valuable insights and exposure to the inner workings of their profession.

Women in Technology (WIT)

WISTEM promotes, serves, and empowers women currently in and planning to pursue careers in science, technology, engineering, and math.

Professional Associations

Association of Information Technology Professionals (AITP)

AITP seeks to provide avenues for all its members to be teachers as well as students and to make contacts with other members in the IS field, all in an effort to become more marketable in rapidly changing, technological careers.

IEEE Computer Society

The IEEE Computer Society is the computing professional’s source for technology information, inspiration, and collaboration, providing members access to books, conferences, conference publications, magazines, online courses, software development certifications, standards, and technical journals.

International Webmaster’s Association (IWA)

IWA is the industry’s recognized leader in providing educational and certification standards for web professionals.

Association for Women in Computing (AWC)

Founded in 1978, AWC is one of the first professional organizations for women in computing. Dedicated to promoting the advancement of women in computing professions, AWC provides opportunities for professional growth through networking and both technical and career-oriented programs.

Who can you talk to?

Tempe Campus
480-965-4154

To schedule an appointment:
wpcarey.asu.edu/sos