

# Computer information systems

## W. P. Carey Career Management and Employer Engagement: Business degree fast facts

Learn about the information value chain, business process workflows, systems integration networks, databases, and structured agile development through the W. P. Carey Department of Information Systems. Department faculty members have diverse professional interests and

real-world experience, both of which enrich the learning environment.

Employment of computer and information systems managers is expected to grow by 15 percent from 2014 to 2024.<sup>1</sup> The demand for computer information systems

managers will continue to grow as firms increasingly expand their operations to digital platforms. Computer information systems graduates earn an average starting salary ranging from \$50,000 to \$60,000.<sup>2</sup>

## Pursue diverse career opportunities

- Business analyst
- Business intelligence analyst
- Computer and information research scientist
- Computer and information systems manager
- Computer network architect
- Computer network support specialist
- Computer programmer
- Consultant
- Data warehousing specialist
- Database administrator
- Database architect
- Document management specialist
- Geographic information systems tech
- Geospatial information scientist and technologist
- Informatics nurse specialist
- Information security developer (systems software)
- Software quality assurance engineer
- Systems analyst
- Telecommunications engineering specialist
- Web administrator

## Map your future in computer information systems

### 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.

existing systems to improve efficiency, security, and operating processes. Select and install computer packages, training, and subsequent support for users.

systems, cooperate with systems architect and/or systems designer, and analyze system routines/modules.

### Website development

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

### Systems assurance and business systems

Perform business system selection, applications audits, 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.

### Consultant

Design, implement, and install information systems and networks. Review and analyze

### Software and applications development

Develop code, evaluate and arrange maintenance and support, support project management, build systems and sub-

### User support and systems administration

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

## Add value to your degree

As a W. P. Carey student, your classroom experience is just one part of your preparation for a successful career.

A variety of extracurricular opportunities provide you with practical, real-world experiences to complement your classroom studies.

### STEM designation

The W. P. Carey computer information systems degree has been designated by the U.S. Immigration and Customs Enforcement agency within the Department of Homeland Security as a STEM-eligible degree program (CIP code 11.0101). The STEM designation allows eligible graduates on student visas access to an Optional Practical Training (OPT) extension, up to 36 months, as compared to 12 months for non-STEM degrees. As an international student, the longer work authorization term may help you gain additional real-world skills and experience in the U.S.

### Department of Information Systems Club (DISC)

[asudisc.org](http://asudisc.org)

DISC members are primarily students pursuing computer information systems and business data analytics degrees who are well-versed in computing, analytics, and business. Career development, leadership, collaboration, and community involvement are DISC priorities.

### Association for Information Systems (AIS)

[sc.aisnet.org](http://sc.aisnet.org)

AIS serves society through the advancement of knowledge and the promotion of excellence in the practice and study of information systems. AIS is the premier professional association for individuals and organizations who lead the research, teaching, practice, and study of information systems worldwide.

### Association of Information Technology Professionals (AITP)

[aitp.org](http://aitp.org)

AITP provides avenues for members to be teachers and students, make contacts with other members in the information systems field, and become more marketable in rapidly changing technological careers.

### IEEE Computer Society

[computer.org](http://computer.org)

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

### International Webmaster's Association (IWA)

[iwanet.org](http://iwanet.org)

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

### Association for Women in Computing (AWC)

[awc-hq.org](http://awc-hq.org)

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

## Contact

Visit [asu.joinhandshake.com/appointments](http://asu.joinhandshake.com/appointments) to schedule an appointment with your career coach.

<sup>1</sup> U.S. Bureau of Labor Statistics

<sup>2</sup> National Association of Colleges and Employers Salary Survey