Computer Information Systems

Business Career Center Fast Facts

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.

**Stem Designation**
The W. P. Carey degree in computer information systems 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.

**Meet the Demand**
• Employment of computer and information systems managers is expected to grow 15 percent (much faster than average) from 2014 to 2024.
• 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.

**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 Technologist
• Geospatial Information Scientist and Technologist
• Informatics Nurse Specialist
• Information Security Developer (Systems Software)
• Software Quality Assurance Engineer
• Systems Analyst
• Telecommunications Engineering Specialist
• Web Administrator

**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.

**User Support and Systems Administration**
Provide technical assistance, educate, and deliver administrative support to users, maintain hardware and software.

**Website Development**
Design website layout, web programming, and application development to protect sites from 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.

**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.

**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.
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.

**Department of Information Systems Club (DISC)**
[asudisc.org](http://asudisc.org)

Primarily pursuing computer information systems and business data analytics degrees, DISC members 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 seeks to provide avenues for all its members to be teachers as well as students and to make contacts with other members in the information systems field, all in an effort to 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, providing 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 and both technical and career-oriented programs.

Contact

Visit [wpcarey.asu.edu/sos](http://wpcarey.asu.edu/sos) to schedule an appointment with your advisor or career coach.

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2. National Association of Colleges and Employers Salary Survey