

CAREER GUIDE – INFORMATION SYSTEMS

Information Systems jobs are found in most corporate, public sector, and non-profit organizations. Key areas include BI, computer and network support, database management, data warehousing, project management, quality assurance, security and web and mobile application development.

Career To Do List

First Year



- Take MGMT 1200, Career & Professional Development in your first or second semester

Sophomore



- Work with BCC on your resume and LinkedIn profile
- Explore career options with BCC and determine knowledge/experience gaps so you can fill them in your Junior and Senior years
- Join at least one student club and attend club meetings and events

Junior



- Take IS and business classes that will build on your career plan
- Fine-tune your resume with new project experience and attend a BCC Workshop
- Attend Career Fairs and Employer Spotlights; apply for internships (some summer internships are filled by December). Do not procrastinate
- Apply for a student club committee and help organize an event

Senior & Grad Program



- Consider an additional internship and fill experience gaps with academic projects
- Keep your eye on job postings and target employers and roles
- Update your resume and LinkedIn profile. Attend an Interview Prep Workshop, Employer Spotlights, and Career Fairs – develop your network and refresh your connections
- Apply for a student club leadership role; benefit from the experience and networking

ADDITIONAL INFORMATION SYSTEMS CAREER INFORMATION

www.isaca.org | www.denverissa.org | www.chima.org | www.coloradotechnology.org

IN DEMAND SKILLS

Programming Languages: C, C++, C#, CSS, HTML, iOS, Java, JavaScript, Objective-C, Node.js, Swift2, Go, TypeScript, Perl, PHP, Python, R, Ruby/Rails, SQL, Visual Basic

Business Analytics/Intelligence Tools: Tableau, Cerner, SSRS, SSIS, Crystal, MicroStrategy, Informatica, Oracle BI, Cognos, Spotfire, MS Power BI Suite

Databases: Oracle, MS SQL Server, IBM, SAP Sybase, Postgre, MySQL, Informix

Methodologies: Agile, LEAN, Kanban, Waterfall

INFORMATION SYSTEMS – CERTIFICATIONS

Certified Associate in Project Management (CAPM)	Certified Information Systems Security Professional (CISSP)
Project Management Professional (PMP)	Cisco Certifications (CCNA, CCNP, CCIE, CCDP, CCDA)
Six Sigma Green Belt	ITIL
Microsoft Certifications (MCP, MCSE)	A+
ISACA Certifications (CRISC, CISM, CGEIT, CISA)	Certified Scrum Master

Tableau – Download Tableau Desktop for free; Student resource page for learning options

<https://www.tableau.com/academic/students>

Coding self-study sites:

codecademy.com; <https://www.freecodecamp.com>; <https://udemy.com>; www.coursera.com;

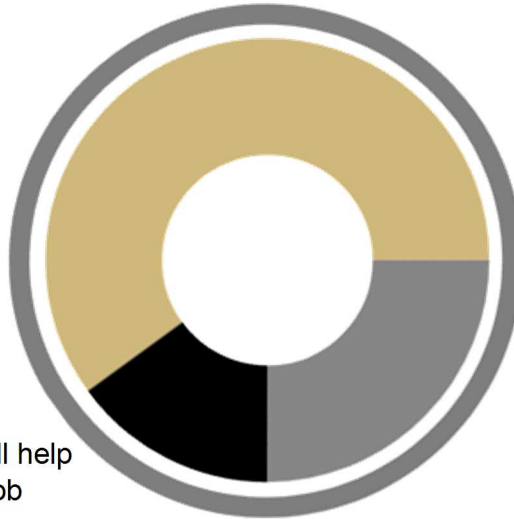
<https://cloud.google.com/certification>



Preparation is Key to Career Success

Academic

Take great classes and complete projects in your area of emphasis. Make sure you are aware of technical skills required for your target job or industry.



Career Prep

It is important to learn how to excel in the job search process. It will help you get the job you deserve and will help you throughout your career. Your first job will not be your last job.

Internships

Information systems internships will help you gain skills and obtain a great job when you graduate.

INFORMATION SYSTEMS CLUBS

CU Denver Business School – Information Systems Association (Highly Recommended)
Attend the 'Become a Business Leader With An EDGE' event.
Attend Employer Spotlight events and Career Fairs to network with employers.

IS JOB TITLES – EARLY CAREER

Analyst | Specialist | Administrator Titles

- Business | Systems Analyst
- Data Analyst
- Business Intelligence
- Computer Support
- Cybersecurity
- Database
- Data Warehouse
- Developer
- eCommerce
- Help Desk
- Information Security
- Mobile Applications
- Network
- Project Manager
- Quality Assurance
- Reports Writer
- UX | UI Designer
- Web Analytics | Web Developer

IS EMPLOYERS

- Public and Private Corporations
- Small Businesses
- Startups
- Banks, Financial Services
- Investment Services
- Healthcare Companies
- High Tech Companies
- Government Agencies and Universities
- Non-Profit Organizations
- Consulting Firms
- IT Outsourcing Firms
- Staffing Firms



BUSINESS SCHOOL
BUSINESS CAREER
CONNECTIONS