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


### 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:**
- codeacademy.com
- https://www.freecodecamp.com
- https://udemy.com
- www.coursera.com
- https://cloud.google.com/certification

BUSINESS CAREER CONNECTIONS (BCC) IS THE CAREER DEPARTMENT FOR THE CU DENVER BUSINESS SCHOOL
**Internships**
Information systems internships will help you gain skills and obtain a great job when you graduate.

**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.

**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.

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**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.

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**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

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**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