

# Computer Information Systems Field Options

## Computer Information Systems may be a major for you if...

- You enjoy technology, computers and finding technical solutions to managing knowledge and Information
- You are adept with computer networking, programming, organizing information and working with people

### Fields include:

**Telecommunications & Networking**  
**Business Systems Analysis**  
**Applications Software Development**  
**Internet Programming & Security**  
**Cyber Security**

### Sample Computer Information Systems Job Titles (Excluding Cyber Security):

Network Administrator, Applications Programmer, systems Analyst, Web Developer, Telecommunications Analyst, Management Information Systems Associate, Applications Analyst, Business Analyst, Business Systems Analyst, Computer Analyst, Computer Systems Analyst, Computer Systems Consultant, Information Systems Analyst (ISA), Information Technology Analyst (IT Analyst), System Analyst

**Projected growth rate for Industry: (2016-2026) Average (5% to 9%)**

### Sample Cyber Security (CIS) Job Titles

Data Security Administrator, Information Security Officer, Information Security Specialist, Information Systems Security Analyst, Information Systems Security Officer, Information Technology Security Analyst (IT Security Analyst), Information Technology Specialist, Network Security Analyst, Security Analyst, Systems Analyst

**Projected growth (2016-2026) Much faster than average (15% or higher)**

Association for Computing Machinery  
CompTIA Association of IT Professionals  
GMIS International  
ISACA

Occupational Outlook Handbook: Computer and information systems managers  
Project Management Institute

**Disclaimer:** Sources are listed to provide additional information on related jobs, specialties, and/or industries. Links to non-DOL Internet sites are provided for your convenience and do not constitute an endorsement.

## A Guide for Career Readiness

### Career Readiness\*

“Career readiness is the attainment and demonstration of requisite competencies that broadly prepare college graduates for a successful transition into the workplace.”

### Career Management

Begin managing YOUR unique Career Path

Your first year

Continue years 2, 3, 4 and beyond

What are your focus areas?

Where do you want to work?

Who knows about your industry?

Experts in the field such as Alumni might be your answer. Reach out to them with an Informational Interview

### Track Your Milestones

Handshake

MyBAR (My Bronco Activity Record)

Portfolium

### Cherrie Peters M.S.

Career Center Counselor Liaison for the College of Business [crpeters@cpp.edu](mailto:crpeters@cpp.edu)

### Virtual Drop-In Advising

[email crpeters@cpp.edu](mailto:crpeters@cpp.edu) to obtain Zoom password

Tuesdays 1-4pm

Wednesdays 2-4pm

Thursdays 3-5pm

**Career Center** [www.cpp.edu/~career](http://www.cpp.edu/~career)

**Handshake** Jobs and Internships

### General Virtual Drop-In Advising

Monday-Friday 11am-3pm

[careercounseling@cpp.edu](mailto:careercounseling@cpp.edu)

### Resources in the Career Center

Complete your Handshake Profile to discover on and off campus part time positions, internships, full time opportunities-remote opportunities included.

### Employment Opportunities

Start your job search efforts early! Many employers start recruitment in the fall.

### Counseling Appointments Virtually

Select type of appointment: Job Search, Career Path and Exploration, Assessments, Mock Interviews, Grad School, and much more! Schedule through your **Handshake** Account.

Attend **Career Center** sponsored events **virtually**, Information Sessions, Public Relations tables, Workshops, Revisit Resume each semester and Create a ‘One Minute Commercial’ Attend the Graduate & Professional School Fair in the fall. Find career-related internship and co-op opportunities through the Career Center, academic departments, and the Center for Community Engagement.

### Career Center Online Resources

<https://www.onetonline.org/>

<https://stats.bls.gov/home.htm>

<https://jobshadow.com/>

<https://whatcanidowiththismajor.com/major/>

### Additional Campus Resources

MyBar (My Bronco Activity Record)

<http://mybar.cpp.edu/>

BroncoLEAD

<https://mybar.cpp.edu/organization/>

Center for Community Engagement

<https://www.cpp.edu/cce/index.shtml>

# Core Competencies, Essential Skills, Career Readiness for Students

## What are they— —

1. Critical Thinking/Problem Solving
2. Oral/Written Communication
3. Teamwork/Collaboration
4. Digital Technology
5. Leadership
6. Professionalism/Work Ethic
7. Career Management
8. Global/Intercultural Fluency

**Critical Thinking/Problem Solving Ability To:** Sort through information and provide a solution, explore and find critical problems and provide direction, disseminate information to those seeking a solution

Participate in class....even remotely

Join a club or volunteer for a “cause” and develop skills to solve a critical problem. Discover a solution with others

## Oral/Written Communications

### Don't wait.....start today:

Poly Post contributor  
Note taker position through DRC  
T.A. for a professor  
Tutor for Writing Center or LRC  
Annual Fund  
Peer Mentor  
Peer Advisor  
Volunteer for campus activities (My Bar)  
Find local governmental official office and volunteer for elections  
Blogging

## Teamwork/Collaboration

Collaborate with students in a classroom setting on projects  
Club and organization e-board and/or leadership role  
In an office setting on or off campus  
Part time/Internship/Full time role off campus  
Various settings such as remote work  
Guidance or Volunteer role working with populations such as youth, adults, aging population

## Digital Technology Tip

Select and utilize technology to solve problems and accomplish goals. Do you know programs? C++, HTML, Data Analysis, Photoshop, Excel Solidworks, POS, Quick Books, Microsoft Office. Utilize LinkedIn Learning

## Professionalism/Work Ethic

Showcase skills at work: Be punctual and effective at work, internship, volunteer position or leadership role on or off campus, or virtually. Take the extra steps to work hard and seek to advance in positions Provide the work ethic and promotions on a resume for each role.

Develop effective work habits; punctuality, working productively with others, time management, understanding the importance of a professional work image and demonstrating integrity.

## Leadership

Leverage the strengths of others to achieve common goals, organize, prioritize and delegate work: use empathetic skills to guide and motivate  
Clubs on Campus, Student Organizations, Athletics, Supervisory role at work, Internships, Volunteer

## Career Management

Identify and articulate skills, strengths, knowledge and experiences; navigate career options and pursue these opportunities. Follow “timeline” provided by Career Center to facilitate direction of career prior to graduation

**Global/Intercultural Fluency:** Value, respect, and learn from diversity of cultures, races, ages, genders, sexual orientations, and religions while demonstrating sensitivity and ability to interact with others in a respectful manner. Attend a variety of training sessions from campus organizations to develop an understanding and respect of others.

# Additional Links for Computer Information Systems Students

[Association for Computing Machinery](#)

[Association for Information Science and Technology](#)

[Association of Independent Information Professionals \(AIIP\)](#)

[Association of Records Managers & Administrators, Inc.](#)

[CompTIA](#)

[CompTIA Association of IT Professionals](#)

[High Technology Crime Investigation Association](#)

[IEEE Computer Society](#)

[\(ISC\)2](#)

[Information Systems Security Association](#)

[InfraGard](#)

[Institute for Operations Research & The Management Sciences](#)

[Internet Society](#)

[ISACA](#)

[League of Professional Systems Administrators](#)

[Society for Information Management](#)

[National Initiative for Cybersecurity Education](#)

[Occupational Outlook Handbook: Information security analysts](#)

[UBM](#)