

INFORMATION TECHNOLOGY & COMPUTER SCIENCE



KEY SKILLS

- Active Listening
- Analytical
- Attention to Detail
- Continual Learning
- Data Analysis
- Logic
- Patience
- Problem Solving
- Technical
- Trouble Shooting



CONCENTRATIONS/SPECIALIZATIONS

- Artificial Intelligence
- Cyber, System, & Network Security
- Data/Information
 - Management & Analytics
 - Structures & Algorithms
- Networking & Communication
- Software Development & Programming
- Systems
 - Administration
 - Analysis
 - Computer Architecture
- Theoretical Computer Science
- Web & Mobile
 - Mobile App Development
 - Website Design



SAMPLE DEGREES

- Business Administration, Concentration in IT (BBA)
- Computer Science (BA, BS, BS/MS, MS, PhD)
- Cybersecurity (BPS)
- Cybersecurity in Computer Science (MS)
- Information Systems Tech (MS)
- Integrated Information Science & Tech (BPS)



SAMPLE OCCUPATIONS

- Computer Programmer
- Computer Scientist
- Computer Systems Analyst
- Database Administrator
- Data Scientist
- Health Information Technician
- IT Consultant
- IT Help Desk Technician
- IT Security Specialist
- Mobile App Designer
- Network Analyst
- Predictive Analyst
- Software Developer
- UX/UI Designer
- Video Game Designer
- Web Developer



POSSIBLE WORK SETTINGS

- Aviation Company
- Company (In-House IT Department)
- Design Firm
- Digital Marketing Company
- Federal Government
- Game Developer
- Hospital
- Independent/Freelance
- Insurance Company
- K-12 School
- Social Media Company
- Software Developer
- Tech Company
- Telecommunications Company
- University/College



SAMPLE STUDENT ORGS

- Cyber Colonials
- GW Blockchain Club
- GW Cyber
- GW DATA Club
- GW Robotics
- GWACM (Computing Machinery)
- Women in Computer Science



SAMPLE EMPLOYERS

- Accenture
- Apex Systems
- Apple
- AT&T
- BAE Systems
- Comcast
- Dreamworks
- Dupont Creative
- Electronic Arts
- Facebook
- Federal Bureau of Investigation
- Fidelity Investments
- FTI Consulting
- Garmin
- Georgetown Day School
- Google
- Hewlett-Packard
- IBM
- Information Sciences Institute
- Intel
- Johnny Flash Productions
- Microsoft
- Motorola
- MITRE
- Naval Research Laboratory
- NetApp
- Nintendo
- OpenXcell
- Powertek Corporation
- Sony Electronics
- The Web Development Group
- Twitter
- US Department of Defense
- US Department of Homeland Security
- Utility
- Verizon
- Yahoo!



PROFESSIONAL ORGS

- Association for Computing Machinery
- Association for Women in Computing
- Association of IT Professionals (AITP)
- Computer & Communications Industry Association
- Computing Technology Industry Association (CompTIA)
- IEEE Computer Society



Center for
Career Services

If you're interested in this field of study, your industry coach is likely to be the STEM industry coach. Set up an appointment on Handshake.