

WHAT CAN I DO WITH MY INFORMATION SYSTEMS DEGREE?



Using the Major Sheet:

- Large headings indicate **industry** area and subheadings indicate **employers** within that area.
- Use the titles to search for careers and related careers in order to explore your options within different areas of industry. Note that some career titles have multiple names for similar positions.
- An asterisk (*) notes that additional training (certification, graduate school, high level of experience) may be needed in order to obtain this career. Make sure to thoroughly research career pathways.

NETWORK ADMINISTRATION

- LAN Specialist
- Network Administrator
- Communications Specialist
- Systems Administrator
- LAN Administrator
- LAN Analyst
- Systems Consultant
- Network Designer

SYSTEMS ANALYSIS

Management Consulting Firms, Computer Manufacturers, Computer Service Co.

- Systems Analyst
- Computer Analyst
- Programmer/Analyst
- Associate Systems Analyst
- Systems Manager
- Digital Systems Analyst
- Associate Analyst
- Assistant Analyst

DATABASE MANAGEMENT

- Database Administrator
- Data Retrieval Specialist
- Database Specialist
- Database Manager
- Data Administrator
- Data Control Manager

PRODUCT SUPPORT

Hardware/Software Manufacturers

- Service Engineer
- Computer Help Desk Technician
- Product Support Specialist
- Computer Support Specialist
- Computer Repair Specialist
- Technical Support Engineer
- Technical Support Analyst
- Technical Support Specialist
- Customer Support Specialist
- Software Support Specialist
- Product Support Rep.
- Systems Engineer
- Field Service Rep.
- Technical Support Rep.
- Customer Engineer

PROGRAMMING

Computer Service, Large Corp./Organizations, Software Development Firms, Computer Manufacturers, Applications

- Computer Programmer
- Applications Software Developer
- Scientific Applications Programmer
- Associate Applications Developer
- Software Development Specialist
- Information System Programmer
- Virtual Reality Developer
- Programmer Trainee
- Software Engineer
- Software Integration Engineer
- Firmware Engineer
- Process Control Programmer
- Software Engineer
- Field Systems Technician
- Applications Engineer
- Applications Programmer
- Software Developer
- Software Specialist
- Software Technician
- Applications Analyst

Data Communication

- Data Comm. Programmer
- Data Comm. Analyst
- Data Comm. Specialist

DATA PROCESSING MANAGEMENT

Hospitals, Educational Institutions, Manufacturing Co., Government, Financial Co.

- Data Processing Installer
- EDP Manager
- EDP Systems Sales Rep.
- Data Processing Director
- Data Processor
- Data Processing Manager
- EDP Systems Analyst

SECURITY

Data Processing Co., Banks, Credit Co., Computer Consulting Firms

- Computer Security Specialist
- Security Specialist
- Encryption Specialist
- Computer Security Consultant

INTERNET

- Website Engineer
- Web Site Programmer
- Web Site Analyst
- Online Services Sales Rep.
- Cyber Journalist
- Web Page Designer
- Online Researcher

DIGITAL IMAGING

Software Dev. Co., Educational Co., Publishing Co., Cable Co./TV Networks, Gov't

- Digital Graphic Artist
- Computer Game Programmer
- CD ROM Producer
- GUI Designer
- Clip Art Production Assistant
- Multimedia Producer
- Technical Director
- Computer Animator
- Graphics Programmer
- Special Effects Programmer
- Interactive Multimedia Associate

DOCUMENTATION / PUBLISHING

Computer Trade Magazines, Hardware/Software Manufacturers, Publishing Co.

- Technical Writer
- Desktop Publisher
- Documentation Specialist
- Technical Librarian
- Trade Magazine Reporter
- Assistant Textbook Editor

SALES

Retail Store, Manufacturer, Online Services Co., Computer Learning Center

- Marketing Representative
- Field Sales Rep.
- Sales Engineer
- Software Buyer
- Technical Sales Rep.
- Product Evaluator

HUMAN RESOURCES

- Technical Recruiter
- Software Talent Agent
- High Tech Head Hunter

EDUCATION

In-house Departments, Computer Learning Centers, Computer Training Firms

- Computer Education Specialist
- Training Specialist
- New Product Instructor
- Internet Instructional Designer
- Computer Teacher
- Internet Instructor

Preparation for a Competitive Job Market:

- **Focus on transferable skill sets** as you pursue a degree in Information Systems.
- **Obtain relevant internship, co-op, or volunteer experiences.**
- **Supplement Information Systems course work** with **classes** that are **relevant** to your career.
- **Meet with a Career Specialist** to explore options, make decisions, and prepare for career choices.

Additional Career Center Resources:

- **Major Sheets (BTA, CMPE, CMSC):** <https://careers.umbc.edu/tools/majors/>

- **The Vault:** <https://careers2.umbc.edu/tools/vault/>

- Use the top search bar to find these relevant guides:

["Vault Career Guide to Information Technology"](#)

["Vault Guide to Nanotechnology Jobs"](#)

["Vault Guide to Internet Services and Security Jobs"](#)

["Vault Guide to Computer Hardware Jobs"](#)

["Vault Guide to Computer Software Jobs"](#)

["Vault Guide to Library and Information Science Jobs"](#)

- **Professional Organizations:**

Association for Computer Machinery: <http://www.acm.org/>

Institute of Electrical and Electronics Engineers: <http://www.ieee.org/index.html>

Network and System Professionals Association: <http://nasp.com/>

UMBC Career Center, MP 201, 410-455-2216, careers@umbc.edu, careers.umbc.edu