

# WHAT CAN I DO WITH MY INFORMATION SYSTEMS DEGREE?

UMBC - CAREER DEVELOPMENT CENTER

---

## 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 Analyst
- ≡ Systems Manager
- ≡ Digital Systems Analyst
- ≡ Associate Systems 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
- ≡ Field Service Rep.
- ≡ Computer Support Specialist
- ≡ Computer Repair Specialist
- ≡ Customer Engineer
- ≡ Technical Support Rep.
- ≡ Technical Support Specialist
- ≡ Customer Support Specialist
- ≡ Software Support Specialist
- ≡ Product Support Rep.
- ≡ Systems Engineer
- ≡ Product Support Specialist
- ≡ Technical Support Analyst
- ≡ Technical Support Engineer

## PROGRAMMING

### Computer Service Co., 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 Communications Programmer
- ≡ Data Comm. Analyst
- ≡ Data Communications Spec.

## 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

- ≡ ATM Specialist
- ≡ Computer Security Consultant
- ≡ Computer Security Specialist
- ≡ Encryption Specialist
- ≡ Security Specialist

## INTERNET

- ≡ Web Site Engineer
- ≡ Web Site Analyst
- ≡ Cyber Journalist
- ≡ Internet Consultant
- ≡ Web Master/Mistress
- ≡ On-Line Services Sales Rep.
- ≡ Web Page Designer
- ≡ Web Site Programmer
- ≡ Internet Artist
- ≡ On-Line Researcher

## DIGITAL IMAGING

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

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

## DOCUMENTATION / PUBLISHING

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

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

## SALES

### Retail Store, Manufacturer, On-line Services Co., Computer Learning Center

- ≡ Sales Representative
- ≡ Sales Engineer
- ≡ Cyber Cafe Manager
- ≡ Marketing Representative
- ≡ Software Buyer
- ≡ Technical Sales Rep.
- ≡ Field Sales Rep.
- ≡ Trade Show Organizer
- ≡ 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
- ≡ Internet Instructional Designer
- ≡ Training Specialist
- ≡ Computer Teacher
- ≡ New Product Instructor
- ≡ Internet Instructor

### KEEP IN MIND...

This list is just a brief introduction to your career options - it is *not* a complete list! Also keep in mind that although these career fields are open to you as an information systems major, you must take extra steps to prepare yourself for a competitive job market. It is important to:

- (1) **obtain relevant internship, co-op, or volunteer experience** (see CDC about their part-time, major-related job announcements; the Shriner Center about co-op, internship, and service opportunities; and Community Outreach about their volunteer programs) *and*
- (2) **supplement your information systems course work** with classes that would be relevant and beneficial to your chosen career field.

Make an appointment with a career advisor for suggestions on researching your career options, choosing a career field, and preparing for your chosen occupation.

### ADDITIONAL RESOURCES

**Internet sites** that allow you to explore career options for information systems/computer science majors:

- ≡ What Can I Do With A Major In: <http://www.utexas.edu/student/careercenter/major/index.html>
- ≡ Career Exploration Links: <http://www.uhs.berkeley.edu/careerlibrary/links/careerme.htm>
- ≡ Major Resources Kit: [gopher://gopher.udel.edu/11/.dept/carserv/MRkit](http://gopher://gopher.udel.edu/11/.dept/carserv/MRkit)
- ≡ Major Confusion: [http://www.brandeis.edu/hiatt/web\\_data/hiatt\\_majors\\_list.html](http://www.brandeis.edu/hiatt/web_data/hiatt_majors_list.html) ("*career fields*", "*career choices*")
- ≡ Career Doctor: <http://www.studentcenter.com/cgi-win/doctor.exe>
- ≡ What Can I Do With A Major In: <http://www.uncwil.edu/stuaff/career> ("*services for students*", "*UNCW careers*")
- ≡ Resources: [http://www.oswego.edu/other\\_campus/student.svcs/career\\_svcs/CareerResources.html](http://www.oswego.edu/other_campus/student.svcs/career_svcs/CareerResources.html)
- ≡ Careers In...: <http://www.snybuf.edu/~cdc/careers/>
- ≡ Cyberspace Jobs: <http://www.best.com:80/~lianne/>

### **CDC Career Resource Center (MP 212):**

- ≡ *100 Jobs in Technology*

**National Associations** offer information of interest to computer science majors: **Institute of Electrical and Electronics Engineers** (<http://www.ieee.org/usab/>) and **Association for Computing Machinery** (<http://www.acm.org>).