WHAT CAN I DO WITH MY COMPUTER SCIENCE 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.

PROGRAMMING
Computer Service Co., Software Development Firms, Computer Manufacturers

Operating Systems
• Systems Programmer
• Programmer Trainee
• Software Development Specialist

Applications
• Computer Programmer
• Applications Software Developer
• Scientific Applications Programmer
• Associate Applications Developer
• Software Development Specialist
• Information System Programmer
• Virtual Reality Developer

Data Communication
• Data Communications Programmer

Hardware
• Design Engineer

NETWORK ADMINISTRATION

• LAN Specialist
• Network Administrator
• Communications Specialist

SYSTEMS ANALYSIS
Management Consulting Firms, Computer Manufacturers, Computer Service Co.

• Systems Analyst
• Computer Analyst
• Programmer/Analyst

DATA PROCESSING MANAGEMENT
Hospitals, Educational Institutions, Manufacturers, Government, Financial Co.

• Data Processing Installer
• EDP Manager
• EDP Systems Sales Rep.

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

• ATM Specialist
• Computer Security Consultant

DATABASE MANAGEMENT

• Database Administrator
• Data Retrieval Specialist
PRODUCT SUPPORT
Hardware/Software Manufacturers
• Service Engineer  • Customer Engineer  • Product Support Rep.
• Computer Help Desk Technician • Technical Support Rep.  • Systems Engineer
• Field Service Rep.  • Technical Support Specialist  • Product Support Specialist
• Computer Support Specialist  • Customer Support Specialist  • Technical Support Specialist
• Computer Repair Specialist  • Software Support Specialist  • Technical Support Analyst
• Field Service Rep.  • Technical Support Specialist  • Product Support Specialist
• Customer Support Specialist  • Technical Support Analyst  • Technical Support Engineer

INTERNET
• Website Engineer  • Webmaster  • Website Programmer
• Website Analyst  • Online Services Sales Rep.  • Cyber Journalist

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

DOCUMENTATION / PUBLISHING
Comp. Trade Magazines, Hardware/Software Manufacturers, Publishing Houses
• Technical Writer  • Desktop Publisher  • Documentation Specialist
• Technical Librarian  • Textbook Author/Editor  • Trade Magazine Reporter

SALES
Retail Stores, Manufacturers, On-line Services Co., Computer Learning Centers
• Product Evaluator  • Marketing Representative  • Technical Sales Rep.
• Sales Engineer  • Software Buyer  • Trade Show Organizer

HUMAN RESOURCES
• Technical Recruiter  • Software Talent Agent  • High Tech Head Hunter

EDUCATION
In-house Training 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 Computer Science.
• Obtain relevant internship, co-op, or volunteer experiences.
• Supplement Computer Science coursework 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 (CMPE, CMSC, ENMG, HCC, IS, MATH): http://careers.umbc.edu/tools/major-sheets/
• Links by Major: http://careers2.umbc.edu/tools/links.php
• Vault: http://careers.umbc.edu/students/discover/explore-careers-majors/
  - Click on Vault Career Insider portal link and provide UMBC user ID and password
  - Select “Guides” to view relevant guides such as:

• Professional Associations:
  IEEE Computer Society: https://www.computer.org/web/guest
  Association for Computing Machinery: http://www.acm.org/
  American Association of Engineering Studies: http://www.aaes.org/
  National Society of Black Engineers: http://www.nsbe.org/home.aspx
  Society of Women Engineers: http://societyofwomenengineers.swe.org/

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