WHAT CAN I DO WITH MY
COMPUTER ENGINEERING
DEGREE?

PROGRAMMING
Computer Service Co., Large Corp./Organizations, 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 Programmer
- Software Development Specialist
- Information System Programmer
- Field Systems Technician

Data Communication
- Data Communications Programmer

Hardware
- Computer Chip Designer
- Hardware Designer

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 Director
- Data Processor

SECURITY
Data Processing Co., Banks, Credit Co., Computer Consulting Firms
- Computer Security Specialist
- Computer Security Consultant

DATABASE MANAGEMENT
- Database Administrator
- Data Retrieval Specialist
PRODUCT SUPPORT
Hardware/Software Manufacturers
≡ Service Engineer ≡ Customer Engineer ≡ Product Support Rep.
≡ Systems Engineer ≡ Field Service Rep. ≡ Technical Support Specialist
≡ Product Support Specialist ≡ Computer Support Specialist ≡ Technical Support Analyst
≡ Computer Repair Specialist ≡ Technical Support Engineer ≡ Product Designer
≡ Design Engineer ≡ Project Engineer ≡ Software Engineer
≡ Test Engineer ≡ Systems Designer ≡ Junior Engineer
≡ Technology Engineer ≡ Circuit Designer ≡ Cable Engineer
≡ Electronic Drafter ≡ Controls Designer ≡ Semiconductor Developer
≡ Instrumentation Technician

INTERNET
≡ Web Site Engineer ≡ Web Site Programmer ≡ Web Site Analyst
≡ Cyber Journalist ≡ Web Page Designer ≡ On-Line Researcher
≡ Internet Consultant

DIGITAL IMAGING
Software Dev. Co., Educational & Publishing Co., Cable Co., TV Networks, Gov’t
≡ 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 ≡ Documentation Specialist
≡ Technical Librarian ≡ Trade Magazine Reporter

SALES
Retail Stores, Manufacturers, On-line Services Co., Computer Learning Centers
≡ Sales Representative ≡ 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 Training Dept., Computer Learning Centers, Computer Training Firms
≡ Computer Education Specialist ≡ Training Specialist ≡ New Product Instructor
≡ Internet Instructional Designer ≡ Computer Teacher ≡ 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 a computer engineering 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 CC about their part-time, major-related job announcements; the Shriver Center about co-op, internship, and service opportunities; and Community Outreach about their volunteer programs) and
(2) supplement your computer science course work with classes that would be relevant and beneficial to your chosen career field.

ADDITIONAL RESOURCES
Internet sites: that allow you to explore career options for Computer engineering degree:
≡ Career Services Center - Links by Major:  http://careers2.umbc.edu/tools/links.php
Career Center: Books/Resources (MP212)
Career Opportunities in Computers & Cyberspace  411 Digital
Become a Web Developer  Career Launcher: Computers & Programming

UMBC, Career Center, MP 212, 410-455-2216, careers@umbc.edu, careers.umbc.edu

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