WHAT CAN I DO WITH A MAJOR IN...

COMPUTER ENGINEERING

Computer engineering is working with the hardware and software aspects of systems design and development. Computer engineering generally applies theories and principles of science and mathematics to the design of hardware, software, networks, and processes to solve technical problems.*

*Taken from College Majors and Careers by Paul Pfifer

SAMPLE OCCUPATIONS

Specialization Areas
Information Protection
Computer Vision & Robotics
Circuit Design
Bioinformatics
Communications & Wireless Networks
Operating Systems
Computer Engineering
Computer Systems Analyst
Software Developer
Hardware Specialist
Programmer
CAD/CAE Technician
Test Engineer
Computer Network Architect
Quality Controller
Information Security Analyst
Application Engineer
Engineering Technology
Electronics Engineer
IT/Network Analyst
Application Engineer

TYPES OF EMPLOYERS

Utility Companies
Electronics Manufacturers
Research Centers
Depts. of Defense, Energy
FBI

Telecommunications Companies
National Institute of Standards & Technology
Financial Service Companies

PREPARING FOR YOUR CAREER IN

Computer Engineering: Build teamwork skills by seeking opportunities to participate in group projects, learn to communicate well with people of differing backgrounds, develop strong attention to detail, analytical skills, and the ability to persevere through long projects, seek experience through internships, co-ops, or research, pursue design projects and lab experience, join a professional organization to learn more about the field and network

RELATED WEBSITES

Discover Engineering
www.discovere.org

IEEE: Careers in Computing
www.computer.org/portal/web/careers

IEEE Computer Society
www.computer.org

National Society of Professional Engineers
www.nspe.org

Association for Women in Computing
www.awc-hq.org

Sloan Career Cornerstone Center (STEM)
www.careercornerstone.org

HOW DO I KNOW IF IT'S RIGHT FOR ME?

ASSESS: Take a career assessment, such as the Strong Interest Inventory or MBTI, to see how your interests, values, and personality fit with majors and careers.

RESEARCH: Research the careers on this WCIDWAMI and thousands of other careers using these top career websites:


EXPLORE: Learn more about a career field of interest by job shadowing, attending a career panel, or participating in a Company Trek. Further your exploration while gaining valuable skills by completing an internship, co-op, volunteer, or research experience.

For the expanded version of this WCIDWAMI, visit career.uncc.edu/majors/ComputerEngineering