XAVIER
UNIVERSITY

CAREER OPPORTUNITIES FOR COMPUTER SCIENCE MAJORS

SKILLS & ABILITIES OF THE COMPUTER SCIENCE MAJOR

Analytical Skills
- Identify problems
- Think logically
- Conceptualize complex systems
- Solve problems
- Assess needs
- Reason Algorithmically
- Test solutions

Organizational Skills
- Attend to detail
- Coordinate tasks
- Work in teams
- Set priorities
- Plan complex tasks
- Finger Dexterity– able to precisely coordinate finger movements to complete tasks

Technical Skills
- Evaluate computer software and systems
- Conduct feasibility studies
- Manage databases
- Design program

Communication
- Write documentation
- Explain processes
- Write/understand computer language
- Describe technical information to non-technical personnel

POTENTIAL CAREERS

Business
- Technical Support Representative
- Computer Graphics Technician
- Senior Applications Planner *
- Research & Development Lab Programmer *
- Strategic Analyst
- Marketing Consultant
- MIS Corporate Officer
- Product Manager
- Computer Systems Analyst
- Corporate Security Specialist
- Electrical Engineer *

Education and Communication
- Professor *
- Editor, Technical Journal
- Graphic Artist, Computer Aided Design

- Training Specialist
- Computer Support
- Technical Writer
- Computer Skills Teacher / Curriculum Developer
- Integrated Library Software Designer *
- Artificial Intelligence Developer
- Top Executives (CEO)
- Engineering & Natural Science Management

Government (Public)
- Communications control technician
- Public Health Service computer specialist
- Defense Dept. equipment specialist
- Systems programmer
- Technical information specialist *
- Auditor *
- Foundation information analyst

- Air traffic controller *
- Health information database designer

Research and Development
- Biomedical engineer *
- Expert systems designer *
- Genetic engineer *

- Automated systems designer
- Intellectual properties lawyer *
- Applications programmer
- Demographer
- Statistician *

* Careers generally requiring graduate/professional degrees

TYPES OF EMPLOYERS
- Businesses
- College / Universities
- Self-Employment
- Nonprofit Organizations
- Higher Education
- Government

RESOURCES AND PROFESSIONAL ORGANIZATIONS FOR THE COMPUTER SCIENCE MAJOR
The Computer Science Zone-http://www.computersciencezone.org
Association for Information Systems- http://aisnet.org/
Association of Information Science and Technology-https://www.asist.org
Computer Research Association-http://cra.org/
O*Net-http://www.onetonline.org

Sources: University of Kansas Career Center, O*NET Online, Occupational Outlook Handbook