What Can I Do With A Major In: Computer Science

Western Carolina University Center for Career and Professional Development
828.227.7133, careers.wcu.edu

DESCRIPTION
Computer Science will be successful as computing professionals and work professional in chosen career choice. Computer Science students engage in adapting to new technology and career challenges.

WHAT JOBS ARE AVAILABLE?

- Computer Information Specialist
- Computer Research
- Computer Scientist
- Network Architect
- Network Specialist
- Computer Programmer
- Computer Support Specialist

- Security Analyst
- Network Administrator
- System Administrator
- Software Developer
- Web Developer
- Consultant

- Computer Support Specialist
- User Support Specialist
- Back-end Developer
- Front-end Developer
- Software Publisher
- Data Processor

- Computer Scientist
- System Administrator
- Web Developer
- Software Manager
- System Developer

- System Administrator
- Project Manager
- Information Services

- Computer Support Specialist
- Software Manager
- System Developer
- Statistician

- Computer Support Specialist
- Software Manager
- System Developer
- Statistician

WHO EMPLOYS STUDENTS WITH THIS MAJOR?
Computer Systems Design Services | Non-profit organizations | Government agencies | Businesses and industries | Tax preparation companies | Hospitals and health organizations | Banks and other financial organizations | Management Enterprises | Software Companies | Insurance Companies | Consulting Services | Information Services |

INTERNSHIP INFORMATION
At Western Carolina University there are numerous internship opportunities for students. In some cases internships are established through a faculty member in the student's major. Oftentimes students find part-time jobs in an area related to their field of study. When this happens, students should discuss with their academic advisor the possibility of receiving college credit. Generally, three hours of general elective credit can be earned for a minimum of 200 hours of experience.

WHAT SKILLS ARE LEARNED IN THE CLASSROOM?
- Computing skills
- Numerical computation
- Problem Solving
- Teamwork
- Innovative Thinking
- Critical Thinking
- Oral & Written Communication
- Analytical & Quantitative Abilities
KNOWLEDGE

- Apply knowledge of computing and mathematics appropriate to the discipline.
- Able to analyze a problem, and identify and define the computing requirements appropriate to its solution.
- Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- Professional, ethical, legal, security and social issues and responsibilities.
- The local and global impact of computing on individuals, organizations, and society.
- Current techniques, skills, and tools necessary for computing practice.

Interested in the classes you’ll be taking? Check your eight semester program here: http://www.wcu.edu/academics/departments-schools-colleges/cas/casdepts/mathcsdept/mathcsacadprogs/bs-computer-science/eight-semester-plan-for-b.s.-in-computer-science.asp

PROFESSIONAL RESOURCES

- PLTW Computer Science-Professional Development: https://www.pltw.org/our-programs/pltw-computer-science/pltw-computer-science-professional-development
- Association of Computing Machinery: http://www.acm.org
- International Associations of Computer Science and Information: http://www.iacsit.org
- Tip: Join LinkedIn groups that are related to your career interest. Need help finding groups? Check out the “Groups You May Like” link under the Interests/Groups tab. Review the groups that professionals in your field of interest have joined and consider joining them as well.

ADDITIONAL INFORMATION SOURCES

- See the Computer Science Online for job information at: http://www.computerscienceonline.org/careers/

FOR ADDITIONAL INFORMATION

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