A.S. in Computer Science

DESCRIPTION OF THE COMPUTER SCIENCE PROGRAM

The Associate in Science (A.S.) degree in Computer Science is a 60-credit program that will provide in-depth classroom instruction. Students will analyze, design, implement and understand computer-based solution and apply them to real-world applications. The computer science major at Kingsborough provides the student with a solid foundation of valuable knowledge including the fundamentals of computer systems, computer programming, and computer science. Students learn to read and write computer code, to fix and improve existing code, to understand why and how code works on a computer, and to work as part of a team and community in crafting solutions.

SKILLS

Analytical oriented. Developers must analyze users' needs and then design software to meet those needs.

Concentration. Web developers must sit at a computer and write detailed code for long periods.

Interpersonal skills. Software developers must be able to work well with others who contribute to designing, developing, and programming successful software.

Problem-solving skills. Computer hardware engineers identify complex problems in computer hardware, develop and evaluate possible solutions, and figure out the best way to implement them.

CAREER INFORMATION

Computer scientists design and analyze algorithms to solve problems and study the performance of computer hardware and software. The problems that computer scientists encounter range from the theoretical, determining what problems can be solved with computers, writing programs that lead to cutting-edge solutions to real-world problems. Software developers are the creative minds behind computer programs. Some develop the applications that allow people to do specific tasks on a computer or another device. Others develop the underlying systems that run the devices or that control networks.

EMPLOYMENT OUTLOOK

Employment of computer hardware engineers is projected to grow 5 percent from 2021 to 2031, about as fast as the average for all occupations. Overall employment of web developers and digital designers is projected to grow 23 percent from 2021 to 2031, much faster than the average for all occupations. Overall employment of software developers is projected to grow 25 percent from 2021 to 2031, much faster than the average for all occupations.

CAREER PATH

The median annual wage for web developers was $77,030 in May 2021. Most web developers work full time. The median annual wage for software developers was $120,730 in May 2021. Most software developers work full time and additional work hours are common. The median annual wage for computer hardware engineers was $128,170 in May 2021. Majority of computer hardware engineers work full time.

CAREER COACH – SEARCH CAREER INFORMATION & CURRENT LOCAL WAGE DATA
https://kingsborough.emsicc.com/programs/computer-science-as/190619

INFORMATION ON HOW TO APPLY: www.cuny.edu/apply or 718-368-4600

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