

Coding

Information Technology

JOB OUTLOOK

According to the Bureau of Labor Statistics (BLS), the employment outlook for computer programmers (synonymous with coders) has a bright outlook. Touted as hot careers by 2022 by the Tennessee Department of Labor and Workforce Development, computer programmers are projected to grow by 8% in the aforementioned year. Computer programming opportunities span across various career pathways depending on the types of responsibilities an individual has when telling a computer what to do.

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OCCUPATION PROFILE

Software developers provide the conceptual design that is the foundation for a computer program. There are two types of software developers—the type that develops applications to do specific tasks on a computer or other device and the type that develops systems that run devices or control networks. Computer programmers use program designs that are developed by engineers and software developers to write instructions for computers to follow. The programmer's job entails refining the ideas and solving the problems that arise while converting the program into code.

SOFTWARE DEVELOPERS, APPLICATIONS	SOFTWARE DEVELOPERS, SYSTEMS SOFTWARE	INFORMATICS NURSE SPECIALISTS	COMPUTER SYSTEMS ANALYSTS	COMPUTER PROGRAMMERS
Median Salary: 88910	Median Salary: 92210	Median Salary: 73480	Median Salary: 73480	Median Salary: 77490
2016 ESTIMATED EMPLOYMENT 6230	2016 ESTIMATED EMPLOYMENT 4140	2016 ESTIMATED EMPLOYMENT 7410	2016 ESTIMATED EMPLOYMENT 7410	2016 ESTIMATED EMPLOYMENT 4430
2026 PROJECTED EMPLOYMENT 9500	2026 PROJECTED EMPLOYMENT 5600	2026 PROJECTED EMPLOYMENT 9330	2026 PROJECTED EMPLOYMENT 9330	2026 PROJECTED EMPLOYMENT 4890
TOTAL EMPLOYMENT CHANGE 3270	TOTAL EMPLOYMENT CHANGE 1460	TOTAL EMPLOYMENT CHANGE 1920	TOTAL EMPLOYMENT CHANGE 1920	TOTAL EMPLOYMENT CHANGE 460

PROGRAM OF STUDY PROFILE

The coding program is study is designed for students interested in computer programming. Students will develop standard programming techniques and learn the logic tools and methods typically used by programmers to create simple computer applications including learning how to write, analyze, review, and revise programs, converting detailed information from workflow charts and diagrams into coded instructions in a computer language.

CAREER PATHWAY

