

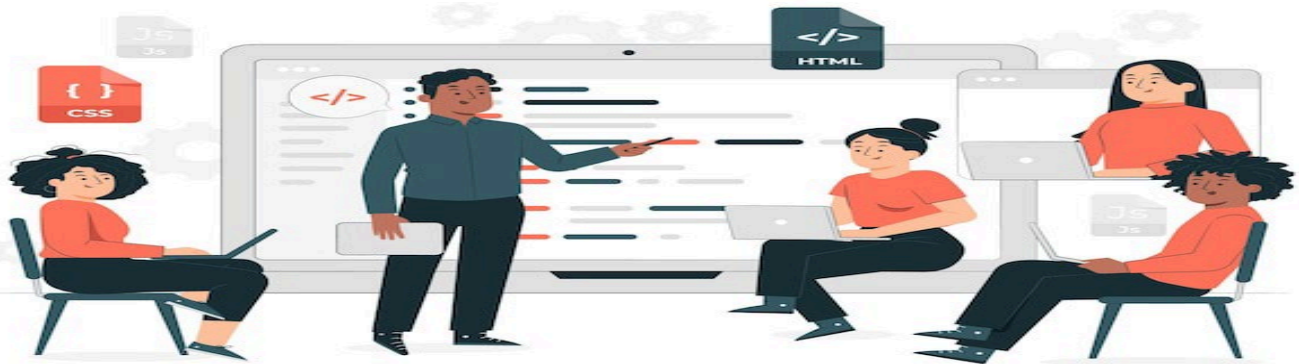


Coding

Information Technology (IT)

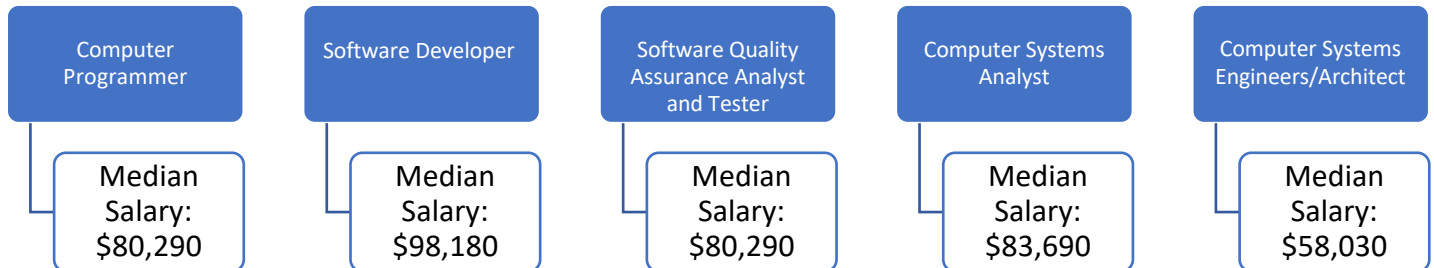
JOB OUTLOOK

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.



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.



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Memphis-Shelby County Schools



ROAD MAP TO SUCCESS

PROGRAM OF STUDY PROFILE

The Coding program of 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

SECONDARY EDUCATION

- * Computer Science Foundations
- * Coding I
- * Coding II
- * Coding Practicum

CERTIFICATE

- * Mobile Web Design

ASSOCIATES

- * A.A.S. Computer Info Technology: Programming

BACHELOR

- * B.S. Computer Info Systems: Systems Development

MSCS PARTICIPATING SCHOOLS: Central HS, Cordova HS, Craigmont HS, Douglas HS, East HS, Kingsbury CTC, Manassas HS, Medical District HS, Middle College HS, Oakhaven HS, Overton HS, Ridgeway HS, Sheffield CTC, White Station HS, & Wooddale HS

LOCAL EMPLOYERS: AutoZone, City of Memphis, Creative Co-Op, FedEx, Innovative Solutions, Orgill, Regional One Health, & Terminix