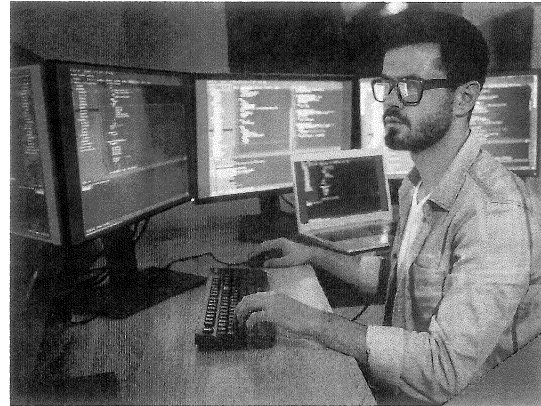


COMPUTER PROGRAMMING TECHNOLOGY



PROGRAM DETAILS

Computer programmers design, develop and test software and ensure software adheres to best practices in performance, reliability and security. Programmers focus on controlling the interaction between humans and machines. Computer programming allows us to harness the computing power needed to do tasks as efficiently and accurately as possible. Whether you enjoy using computers to solve problems or develop solutions, a career in IT is the place for you.



Computer Programming Technology (Java Developer) Pathway

Course	Course Name	Credit Hours
ITSE 1302	Computer Programming	3
ITSE 1311	Beginning Web Programming	3
ITSE 2309	Database Programming	3
ITSE 2302	Intermediate Web Programming	3

Computer Programming Technology- Basic Database Occupational Skills Award

Course	Course Name	Credit Hours
ITSE 1302	Computer Programming	3
ITSE 1311	Beginning Web Programming	3
ITSE 2309	Database Programming	3

Computer Programming Technology (Java Developer) Certificate I

Course	Course Name	Credit Hours
ITSE 1302	Computer Programming	3
ITSE 1311	Beginning Web Programming	3
ITSE 2309	Database Programming	3
ITSE 2302	Intermediate Web Programming	3
ITSE 2317	Java Programming	3
INEW 2338	Advanced Java Programming	3

Computer Programming Technology Program of Study

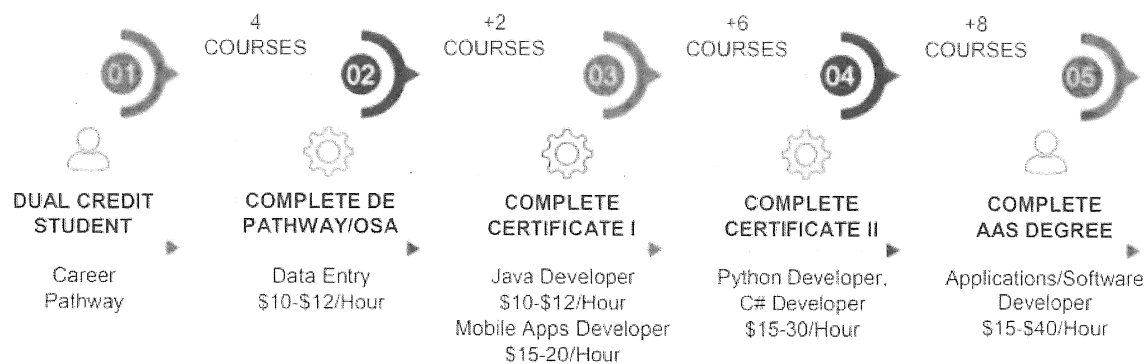
With your training in computer programming, you will be equipped with the most up-to-date, industry-standard knowledge and skills required to be a successful programmer. Students will learn how to analyze a problem, develop a solution for it, and code a program to execute it. They will also learn how to design, document and test software to solve large and small-scale challenges through TSTC's program. A degree in computer programming will give you a command of various coding languages that will allow you to step directly into a growing career.

TSTC AWARDS

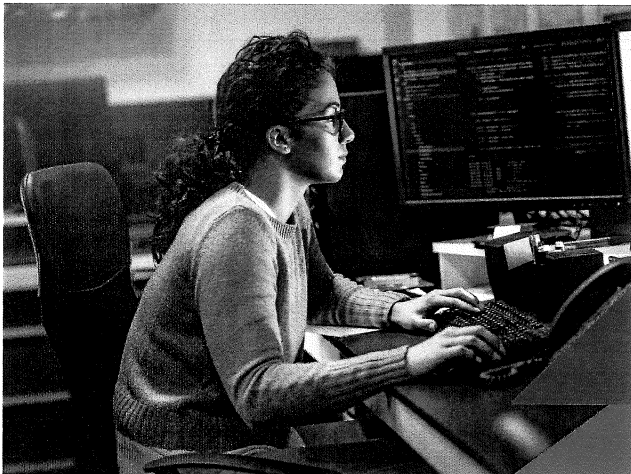
Median Wage

Occupational Skills Award	\$10- \$12/Hour
Certificate I	\$10-\$12/Hour
Certificate II	\$15-\$30/Hour
Associate Degree	\$15-\$40/Hour

Computer Programming Technology Career Pathway



CAREER OPPORTUNITIES



TSTC has one of the most in-depth computer programming degrees that can help you launch a new and exciting career. TSTC's Computer Programming Technology degree focuses on preparing you to learn languages such as C++, C#, Java, Python, JavaScript, as well as working with databases using SQL. Students will learn about application development and user techniques that include troubleshooting, organizing, and strategizing. TSTC's training offers you a hands-on experience that mimics real-life scenarios, allowing you to step right into your career.

Computer Programming Technology Course Information (PEIMS)

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
ITSE 1302 Computer Programming/ Web Communications	3580810 (.5 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
ITSE 1311 Beginning Web Programming/ Web Design	0580820 (1 credit)	None	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
ITSE 2309 Database Programming/ Practicum in Information Technology	13028000 (2 credits)	Minimum of two high school Information Technology (IT) courses	None
ITSE 2302 Intermediate Web Programming/ Practicum in Information Technology	13028005 (3 credits)	Minimum of two high school Information Technology (IT) courses	None

FOR ADDITIONAL INFORMATION ON THE INFORMATION TECHNOLOGY CAREER CLUSTER,
PLEASE CONTACT: CTE@tea.texas.gov
<https://tea.texas.gov/cte>