INFORMATION TECHNOLOGY
Web Development

WILDCAT WORKFORCE
INSPIRE • ENGAGE • PREPARE

WEB DEVELOPMENT COURSE PATHWAY

EXPLORATION
Principles of Information Technology (8th grade)
Fundamentals of Computer Science

INVESTIGATION
Computer Science I

PREPARATION
Computer Science Applications

APPLICATION
Practicum in Information Technology
Career Preparation I (optional)

EXPANDED LEARNING OPPORTUNITIES

Career & Technical Student Organization

SkillsUSA
CyberPatriot

Work-based Learning

Local computer or information security company

The Web Development program of study explores the occupations and educational opportunities associated with designing, creating, and modifying websites. The program of study may also explore integrating websites with other computer applications , and converting written, graphic, audio, and video components to compatible web formats by using software designed to facilitate the creation of web and multimedia content.

INDUSTRY BASED CERTIFICATION OPPORTUNITIES

CodeHS Python Level 1 Certification

DUAL CREDIT OPPORTUNITIES

Computer Science I
Computer Science Applications
Practicum in Information Technology

Discuss additional dual credit opportunities with your counselor

POSTSECONDARY OPPORTUNITIES

ASSOCIATE'S DEGREE
- Computer Programming/Programmer, General
- Computer Software Engineer
- Computer Science
- Certified Software Analyst

BACHELOR'S DEGREE
- Management Information Systems, General
- Computer Software Engineer
- Computer Science
- Information Science/Studies

MASTER'S, DOCTORAL, & PROFESSIONAL DEGREES
- Computer Software Engineer
- Computer Science
- Information Science/Studies

CONNECTED OCCUPATIONS

Occupation	Median Wage	Annual Openings	% Growth
Software Developer, Systems Software	$103,334	2,985	25%
Software Developers, Applications	$104,499	6,311	30%
Computer Programmers	$79,893	1,454	9%

Successful completion of the Web Development program of study fulfills requirements of a Business and Industry endorsement or a STEM endorsement if the math and science requirements are met.

Temple ISD Course Details

COURSE NAME	PREREQUISITES	GRADES	TISD COURSE CODE	SERVICE ID and COURSE CREDIT
Principles of Information Technology (8th grade)	None	8	V13072[+]	13027200 (1 credit)
Fundamentals of Computer Science	None	9-12	V12705	03580140 (1 credit)
Computer Science I	Fundamentals of Computer Science and Algebra 1	10-12	V12710[+] V12610 (DC)	03580200 (1 credit)
Computer Science Applications*	Computer Science 1, Algebra 1, and Geometry	11-12	V12712 V12612 (DC)	13037400 (2 credits)
Practicum in Information Technology**	Each of the above courses (Principles of IT optional)	12	V13074[+] V13174 (DC)	13028000 (2 credit)
Career Preparation I (optional)	Computer Science Applications*	12	V12410	12701300 (2 credits)
Extended Career Preparation I (optional)	Computer Science Applications*	12	V12713	12701305 (3 credits)

*Computer Science Applications = Practicum in STEM offered as a 1 period course
**Travel and costs are associated with this course   [+]Minimum courses required to meet CTE Completer status