



- Level 1** Principles of Information Technology *

- Level 2** Computer Science for IT*

- Level 3** Web Design

- Level 4** Practicum in Information Technology **
Extended Career Preparation I **

Successful completion of a **Program of Study** will fulfill requirements of earning an **Endorsement**.
 * District Technology Credit **List Driven Course

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
ADOBE	AEM 6 Developer	Computer Programming/ Programmer, General	Web/ Multimedia Management and Webmaster	Computational Science
	Certified Webmaster Professional	Computer Science	Computer Science	Computer Science
	Adobe Campaign Developer	Web Page, Digital/ Multimedia and Information Resources Design	Web Page, Digital/ Multimedia and Information Resources Design	Information Science/ Studies
	IBM Certified Solution Developer – Open Social	Computer Systems Networking and Tele-communications	Computer Systems Networking and Tele-communications	Computer Systems Networking and Tele-communications

The Web Development program of study explores the occupations and educational opportunities associated with designing, creating, and modifying websites. This 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.

The Information Technology (IT) Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

Occupations	Median Wage	Annual Openings	% Growth
Web Developers	\$67,912	1,079	39%
Web Administrators, Computer Occupations	\$85,197	1,616	20%
Software Developers	\$104,499	6,311	30%



WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	WBL Activities:
Join TSA Participate in a coding/computer club	Get an Oracle or CISCO Certification

COURSE INFORMATION

COURSE NAME	LOCAL COURSE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Information Technology*	12175 (1 credit)	None	9-12
Computer Science I for IT*	12180 (1 credit)	PREQ: Principles of Information Technology	10-11
Web Design	12177 (1 credit)	PREQ: CS for IT	11
Practicum in Information Technology	12186 (2 credit)	PREQ: A minimum of two high school information technology (IT) courses	12
Advanced Web Tech - PBR	12188 (1 credit)	PREQ: A minimum of two high school information technology (IT) courses	12
Extended Career Preparation I **	12255 (3 credits)	PREQ: A sequence of courses from this POS	12

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FOR ADDITIONAL INFORMATION ON THE INFORMATION TECHNOLOGY CAREER CLUSTER,
PLEASE CONTACT:

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