

Web Development - Certificate of Achievement

+If you have completed coursework at another college and/or are starting in a semester other than a Fall term, please follow up with the Counseling Department to determine if this sequence is appropriate for your academic and career goals.

Program Description:

The Certificate of Achievement in Web Development is a vocational program that reflects the multi-faceted nature of the competencies required to develop and maintain websites. The program is, therefore, interdisciplinary and draws from courses offered in both the Computer Applications and Web Technologies (CAWT) and Computer Science Departments. The multi-disciplinary approach will prepare students for entry-level positions as web developers and for career-change or promotion opportunities. Cooperative Work Experience Education is also an essential component included in the sequence of required classes. The curriculum is designed to provide students with a strong and balanced foundation in aspects of both front- and back-end web development. Students will develop proficiency with markup languages, cascading style sheets, web authoring software, database connectivity, image and search engine optimization, client- and server-side programming, e-commerce considerations and the entire web life-cycle development process.

Program SLO:

Students will be able to demonstrate proficiency in the core knowledge and skills needed to develop and implement dynamic, interactive websites.

Important Information: For students interested in earning an Associate's degree and/or transfer, please follow up with the Counseling Office for additional information @ <https://www.canyons.edu/counseling> or (661)362-3288/(661)362-3811.

Major courses are sequenced and **BOLDED** based on recommendations by [Computer Applications and Web Technologies Department](#).

First Semester (1.5-10.5 units minimum) FA = Fall; WI = Winter; SP = Spring; SU = Summer

Course	Title	Units	Major Courses
CAWT 074	Intro to Photoshop (FA, SP)	1.5	Major
CAWT 170	Web Development I (FA, SP)	3	Major
CAWT 173	Web Development: Dreamweaver (FA)	3	Major
CMPSCI 190	Web Programming: Javascript (FA, SP, SU)	3	Major
	Term Total:	10.5	

Second Semester (11.5-21 units minimum)

Course	Title	Units	Major Courses
CAWT 076	Introduction to WordPress (FA, SP)	1.5	Major
CAWT 160	Microsoft Access I (WI, SP)	3	Major
CAWT 171	Web Development II (SP)	3	Major
COMPSCI 192	PHP Programming (FA, SP)	3	Major
	Term Total:	10.5	

Intersession I (22-24 units minimum)

Course	Title	Units	Major Courses
CAWT 174	Web Prototyping and Images (SU)	3	Major
CWE-186CAWT or CWE 188CAWT	Department HIGHLY Recommends Cooperative Work Experience Education (FA WI, SP, SU)	1-4	HIGHLY Recommended Elective
	Term Total:	3 -7	

*Visit the [Internship Website](#) to learn more about internship opportunities and to register with JobSpeaker, the job and internship database.

Total Units: 24+

Counseling Resources

Computer Applications and Web Technologies Department:

<https://www.canyons.edu/academics/computerapplications/index.php>

Counseling Department: <https://www.canyons.edu/student-services/counseling/index.php>

Petition for Certificate of Achievement: Petitions are due in the fall/spring/summer term you will complete the requirements and may be submitted before your last term or up until the final day of the term. The petition form must be reviewed with a counselor and may be found here:

https://www.canyons.edu/_resources/documents/student-services/admissions/Petition_for_Associate_Degree_and_Certificate_of_Achievement.pdf

Career Resources

Computer Web Development & Design Career Tree:

<https://www.canyons.edu/academics/computerapplications/careertree/careertree-cawt-web-development.php>

California Career Zone: <https://www.cacareerzone.org/>

O*Net Online: <https://www.onetonline.org/>

Bureau of Labor and Statistics: www.bls.gov

Professional Associations:

Web Professionals: <https://webprofessionals.org/>

The HTML Writers Guild: <http://hwg.org/>