



# Web Developer A.S. Degree - CalGETC

Web Developers are proficient at creating website structure and interactivity. The Web Developer degree requires students to design, code, and modify websites from layout to function in accordance with a client's specifications. Students will work with a variety of tools, environments, and applications to learn and practice website programming, scripting languages, and interacting with databases.

**Total Units: 62**

## First Year

### Semester 1

**16 Units**

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
<b>CISW 300</b> Web Publishing	3	Advisory: CISC 305	F(O,P), S(O,P), Su(O)	
<b>CISC 323</b> Linux Operating System	1		F(O), S(O)	
<b>CalGETC Area 1A-English Composition</b>	3	Recommend meeting with a counselor	F, S, Su	Cal-GETC Area 1A
<b>CalGETC Area 2-Math &amp; Quantitative Reasoning</b>	3	Recommend meeting with a counselor	F, S, Su	Cal-GETC Area 2
<b>CalGETC Area 5A-Physical Science</b>	3			Cal-GETC Area 5A
<b>CalGETC Area 6-Ethnic Studies</b>	3		F, S, Su	Cal-GETC Area 6

### Semester 2

**15 Units**

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
<b>CISW 304</b> Cascading Style Sheets	2	CISW 300	F(O), Su(O)	
<b>CISW 400</b> Client-side Web Scripting	4	CISW 300	F(O), S(O), Su(O)	
<b>CISW 440</b> XML: Introduction to Extensible Markup Language	2	CISW 300; Advisory: CISA 320 or CISP 350	Su(P)	
<b>CISC 324<sup>1</sup></b> Intermediate Linux Operating System	1	CISC 323	F(O), S(O), Su(O)	
<b>CISP 353</b> Application Development in a Client Server Environment	3	Advisory: CISP 352	S(O)	

## Career

### Options/Outlook:

Web developers design, create and modify websites. Analyze user needs to implement Web site content, graphics, performance, and capacity. May integrate Web sites with other computer applications. May convert written, graphic, audio, and video components to compatible Web formats by using software designed to facilitate the creation of Web and multimedia content. **Career opportunities require more than an associate degree.**

### A sample of reported job titles:

Designer, Technology Applications Engineer, Web Architect, Web Design Specialist, Web Designer, Web Developer, Web Development Director, Web Development Instructor, Webmaster

### Projected job openings in California (2020-2030):

3,070

### Projected growth in California (2020-2030):

25% growth

### Median Salary in California with

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
CalGETC Area 1B- Critical Thinking & Composition	3		F, S, Su	Cal-GETC Area 1B

<sup>1</sup> Suggested from List A.

## Year 2

### Semester 3

16 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
CISW 308 <sup>1</sup> Mobile Web Development	2	CISW 300; Advisory CISW 304	F(O), Su(O)	
CISW 402 <sup>1</sup> Intermediate JavaScript	2	CISW 400; Advisory: CISW 410	F(O), S(O)	
CalGETC Area 1C- Oral Communication	3			Cal-GETC Area 1C
CalGETC Area 3A- Arts <sup>2</sup>	3		F, S, Su	Cal-GETC Area 3A
CalGETC Area 4- Social & Behavioral Sciences	3		F, S, Su	Cal-GETC Area 4
Local Area 5B- Biological Sciences	3		F, S, Su	Cal-GETC Area 5B

<sup>1</sup> Suggested from List A.

<sup>2</sup> Suggestion-ART 301 Digital Drawing & Composition (3 units); F, S, Su OR ARTNM 324 Digital Design (3 units); Advisory: ART 300, 320, CISC 302.JOUR 330; both meet requirements for Certificate in CIS Web Programming and CIS Web Publishing.

### Semester 4

15 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
CISW 350 Imaging for the Web	1	Advisory: CISC 306 & CISW 300	S(O)	
CISW 321 Web Site Development using Dreamweaver	3	Advisory: CISC 305	S(O,P)	
CISW 410 Database-Driven Web Applications	4	CISW 300; Advisory: CISP 300 or CISW 310	S(O,P)	
CalGETC Area 3B- Humanities	3		F, S, Su	Cal-GETC Area 3B
CalGETC Area 4- Social & Behavioral Sciences	3		F, S, Su	Cal-GETC Area 4
CalGETC Area 5C- Lab	1		F, S, Su	Cal-GETC Area 5C

## advanced degree (2021):

\$84,860/yr

## Source:

<https://www.onetonline.org/link/summary/15-1134.00>

## Transfer notes:

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

## General Education (GE):

Non-specified GE courses identified by CRC or Cal-GETC Area without pre- or co-requisites can be taken at any semester.

## Honors option:

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

## About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

**With the suggested  
electives, this map  
meets the  
requirements for**

^You must have passed the prerequisite course(s) with a “C” or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = Online available, (P) = Partially online

List A-a minimum of 5 units from the following:

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISC 324 Intermediate Linux Operating System	1	CISC 323	F(O), S(O), Su(O)	
CISW 308 Mobile Web Development	2	CISW 400; Advisory: CISW 410	F(O), S(O)	
CISW 310 Advanced Web Publishing	4	CISW 300	Check Class Schedule for offering	
CISW 355 Web Imaging Projects	2	CISW 350	S(O)	
CISW 402 Intermediate JavaScript	2	CISW 400; Advisory: CISW 410	F(O), S(O)	
CISP 350 Database Programming	3	CISA 320 & 3 units of any programming language	F(O)	

The Certificate of Proficiency in CIS-Web Publishing and

The Certificate in Achievement in CIS-Web Programming.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.