



CIS-Web Developer Associate of Science Degree

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 to a client's specification. Students will work with a variety of tools, environments, and applications to learn and practice website programming, scripting languages and interacting with databases.

SUGGESTED PROGRAM COURSE SCHEDULE

SEMESTER 1

15-16 UNITS

Course	Units	Pre-Reqs [^]	Semester s offered*	GE Area
CISW 300 Web Publishing	3	Advisory: CISC 305	F(O,H), S(O, H), Su(O)	
CISC 323 Linux Operating System	1	None	F(O), S(O)	
CISP 300 Algorithm Design/Problem Solving	3	Advisory: MATH 335	F, S, Su	CRC Area II(b)
CRC Area II(a) Writing competency	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
CRC Area II(b) Math competency	4-5	Recommend meeting with a counselor	F, S, Su	CRC Area II(b)
CRC Area III(a) Physical Edu Activity	1		F, S, Su	CRC Area III(a)

SEMESTER 2

16 UNITS

Course	Units	Pre-Reqs [^]	Semester s offered*	GE Area
CISW 304 Cascading Style Sheets	2	CISW 300	F(O), Su(O)	
CISA 320 Intro to Database Management	1	Advisory: CISC 302 or 310	F(O), S(O), Su(O)	
CISW 400 Client-side Web Scripting	4	CISW 300	F(O), S(O)	
CISW 440 XML: Intro to Extensible Markup Language	2	CISW 300; Advisory: CISA 320 or CISP 350	Su(H)	
CISC 324 Intermed Linux Operating System	1	CISC 323	F(O), S(O), Su(O)	
CISP 353 Application Development in a Client Server Environment	3	Advisory: CISP 352	S(O)	
CRC Area V(a) American Institutions Or taken in summer	3		F, S, Su	CRC Area V(a)

[^]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 (H) = hybrid available

Career Options/Outlook: Web developers design, create, and modify web sites. 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 two years of college study.**

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 opening in California (2016-2026):

2,720

Projected growth in California:

Much faster than average (15% or higher)

Salary in California:

Median wage (2017) with advanced degree: \$76,880/yr

Source:

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

SEMESTER 3

17 UNITS

Course	Units	Pre-Reqs [^]	Semester s offered*	GE Area
CISP 360 Intro to Structured Programming	4	CISP 300 or MATH 400	F(H), S(H)	CRC Area II(b)
CISW 402 Intermed JavaScript	2	CISW 400; Advisory: CISW 410	F(O), S(O)	
CISW 308 Mobile Web Development	2	CISW 300; Advisory: CISW 304	F(O), Su(O)	
BUS 100 English for the Professional	3	ENGRD 110 & ENGWR 51 or ESLR 320 & ESLW 320 Advisory: BUSTEC 302 & 303	F(O), S(O)	
CISP 350 Database Programming	3	CISA 320 & 3 units of any programming language	F(O)	
CRC Area III(b) Life Development Skills Or taken in summer	3		F, S, Su	CRC Area III(b)

SEMESTER 4

22 UNITS

Course	Units	Pre-Reqs [^]	Semester s offered*	GE Area
CISW 350 Imaging for the Web	3	Advisory: CISC 306 & CISW 300	S(O)	CRC Area II(b)
CISW 321 Web Site Development using Dreamweaver	3	Advisory: CISC 305	S(O,H)	
CISW 410 Middle Web Scripting	4	CISW 300; Advisory: CISP 300 or CISW 310	S(O,H)	
CRC Area IV Natural Sciences Or taken in summer	3			CRC Area IV
CRC Area I – suggestion: ART 301 Digital Drawing & Composition or ARTNM 324 Digital Design	3	None Advisory: ART 300, 320, CISC 302 /JOUR 330	F, S, Su S	CRC Area I
CRC Area VI Ethnic/Multicultural Studies Or taken in summer	3			CRC Area VI
CRC Area V(b) Soc & Beh Sci Or taken in summer	3			CRC Area V(b)

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*(O) = online available (H) = hybrid available

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.

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 Area, CSU Area or IGETC Area without pre- or co-requisite can be taken at any semester.

Courses in red meet the requirement for the Certificate of Proficiency in CIS-Web Publishing.

Courses in blue meet the requirement for the Certificate of Achievement in CIS-Web Programming.