

PROGRAM APPROVAL APPLICATION
NEW or SUBSTANTIAL CHANGE or LOCALLY APPROVED
(This application may not exceed 3 pages)

Fill In Form

Client-side Web Page Development Certificate of Achievement

Proposed Program Title

Cerritos College

College

Cerritos College

District

Fall 2015

Projected Program Start Date

Nick Real

Voting Member

Instructional Dean

Title

562-860-2451

Phone Number

yreal@cerritos.edu

E-mail Address

Goal(s) of Program (Check all that apply):

Career Technical Education (CTE)

Transfer

Other

Type of Program (Check all that apply):

A.S. Degree

A.A. Degree

Certificate of Achievement:

18+ semester (or 27+ quarter) units

12-18 semester (or 18-27 quarter) units

Reason for Approval Request: (Check One)

New Program

Substantial Change

Locally Approved

Program Information

Recommended Taxonomy of Program (TOP) Code 0709.00

Units for Major-Degree [Click here to enter text.](#)

Total Units for Degree [Click here to enter text.](#)

Required Units-Certificate 16.5/17

Written Form

1. Insert the description of the program as it will appear in the catalog.
 Upon completion of the Client-side Web Page Development Certificate of Achievement students will be able to use their newly learned skills to gain entry level jobs, use the certificate for professional growth, salary increases, job promotions or career changes in the area of information technology. For academic students the certificate will be the first achievement in the path to an AA degree and transfer to a four-year college. The path being 1) Certificate of Completion, 2) Certificate of Achievement, 3) Associates of Arts degree, and 4) transfer to four-year College.
2. Provide a brief rationale for the program.
 The Computer and Information Sciences Department currently offers students a client-side web page development verification of completion. The verification of completion is not printed on the student’s transcripts and soon will not be published in the college’s catalog. Therefore the CIS Department is now submitting this application for approval to the Chancellor’s office to upgrade the verification of completion to a certificate of achievement. The certificate of achievement would then be published in the college catalog and printed on the student’s transcripts. Additionally the certificate of achievement would be tracked and part of the department’s and college’s successful completion metrics.
3. List all courses required for program completion, including core requirements, restricted electives and prerequisites. (Push Enter after each entry to begin a new line)

Courses	Course No.	Course Title	Units
Computer Programming Logic	CIS 103	Computer Programming Logic	3.5
Programming in C/C++	Or CIS 180	Programming in C/C++	(3.5)
Java Programming	Or CIS 183	Java Programming	(3)
Web Page Development	CIS 160	Web Page Development	3.5
HTML and CSS	CIS 162	HTML and CSS	3.5
JavaScript Programming	CIS 164	JavaScript Programming	3.5
Photoshop/Digital Imaging	ART 192	Photoshop/Digital Imaging	3

4. Summarize the Labor Market Information and employment outlook (including citation of the source of the data) for students exiting the program.

We include the client-side Web page development in the website design and development category that has computer programmers, graphic designers, and multimedia artists and animators. The client-side Web page development is applied to many different industries. The World Wide Web (or Web or WWW) is a portion of the Internet that contains billions of documents. As more companies including non-profit organizations are conducting business over the Internet—this is often referred to as e-commerce—the demand for client-side Web page developers to design and maintain Web pages is increasing. In general, applicants with a bachelor’s degree and certification will have the best opportunities in this field.

According to the Bureau of Labor Statistics (<http://www.labormarketinfo.edd.ca.gov/commcolleges/>), the total job openings are the sum of new jobs from growth plus net replacements. Annual job openings are total job openings divided by the number of years in the project period.

Projections of Employment by Occupation, 2010 - 2020
 Occupations Matched to Top Code(s): 061430 Website Design and Development
 Annual Job Openings by Occupation (Los Angeles County)

SOC Code	Occupation Title (Link to Occupation Profile)	2010 Employment	Annual Job Openings
151131	Computer Programmers	9,250	279

2010-2020 Occupational Employment Projections

	Annual Average Employment		Employment Change		2012 First Quarter Wages		Entry Level Education	Work Experience
	2010	2020	Numerical	Percent	Median Hourly	Median Annual		
Computer Programmers	9,250	9,890	640	6.9	\$41.10	\$85,490	College Degree	None
Information Security Analysts, Web Developers, and Computer Network Architects	10,580	12,800	2,220	21.0	\$36.45	\$75,803	College Degree	1-5 years

**Los Angeles-Long Beach-Glendale Metropolitan Division
(Los Angeles County)**

5. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (Push Enter after each entry to begin a new line)

College	Program	Who you Contacted	Outcome of Contact
Irvine Valley College	Computer Information Management	Roopa Mathur	No objection
Los Angeles City College	Computer Science/Information Technologies	Davis Alex A.	No response
Los Angeles Valley College	Computer Applications and Office Technologies	Nalepa Laurie	No objection
Fullerton College	Business and Computer Information Systems	Douglas R. Benoit, EdD	No objection

6. Include any other information you would like to share. [Click here to enter text.](#)