

Announcement of Intent to Develop a New CTE Program

Submission Narrative

College: Chaffey College

Date: 3/2/2017

Program Title (may be a working title): Programming Foundations

Proposed TOPS: 0707.10

Award Type (check all that apply): **Certificate:** 12-17 units 18+ units **Degree:** AS AA

1. Overview of program being proposed.

This certificate will provide experience with programming languages of different types. Courses will include exposure to programming with a markup language, a scripting language, an interpreted language, and a compiled language. Students completing this certificate will be qualified for entry level positions in programming and quality assurance/testing.

2. Advisory Committee Recommendations. Describe the college relationship with local employers and attach advisory committee minutes that documents their recommendation(s) for the program being proposed:

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Brent Stetz
Network Engineer
UC Riverside

Chaffey College Members:

Wanda Baker, CIS Instructor
 Maria Beck, Counselor
 Joy Haerens, Dean, Business and Applied Technology
 Terri Helfand, CIS Coordinator
 James (Jim) Kerr, CISCO Instructor
 Tracy Kocher, CIS Instructor
 Steve Siedschlag, CIS Instructor

The advisory committee discussed, among other things, the demand for computer programming. The advisory committee discussed and approved the formation of a programming certificate.

3. LMI: Brief narrative describing the need for the program. The narrative should respond to the LMI data provided by the COE and any additional LMI data you have collected. Be sure to include additional data you have collected.

In the Riverside-San Bernardino-Ontario MSA, the computer programming occupation group is expected to increase employment 10% between 2015 and 2020. Nearly 1,100 computer programming job opportunities will be available over the five-year projection period due to new job growth and replacement need (e.g. retirements); more than 210 computer programming jobs openings each year during the five-year time frame. As shown in the table below, software developers, applications is the occupation with the most annual job openings. Web developers will be the fastest growing occupation, increasing employment by 15%.

4. Describe the impact (positive and/or negative) this new program will have on other regional programs? Is there a plan for coordination with other regional community college programs, secondary schools and/or transfer institutions to develop pathways and the CTE pipeline?

[Click here to enter text.](#)

	Certificate			Degree
	Locally Approved*	Less than 18	18+ Units	
Barstow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chaffey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
College of the Desert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Copper Mountain	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Crafton Hills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moreno Valley	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

	Certificate			Degree
	Locally Approved*	Less than 18	18+ Units	
Mt. San Jacinto	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Norco	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Palo Verde	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riverside City	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
San Bernardino Valley	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Victor Valley	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*Locally approved certificates would not be included on the Chancellor's Office inventory. The CTE Deans will contribute this information when the program is being announced.

Secondary District/High School	Comments (list pathway name if known)
NA	NA
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.

Transfer Institution	Comments (list program name if known)
CSU	CISPROG 1 & 5
UC	CISPROG 1 & 5

5. Other information the college wishes to share.