

## Memorandum

To: James Town, Assistant Professor and Lab Coordinator, Sacramento City College  
Deborah Saks, Dean Business & Computer Information Sciences, Sacramento City College

CC: Renee Medina, Curriculum Committee Chair, Sacramento City College

From: Ebony J. Benzing, Research Manager, Center of Excellence (COE), North-Far North region

Date: September 16, 2019

Re: Program Placement Council LMI for Sacramento City iOS application developer program

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## Background

Sacramento City College contacted COE regarding labor market information to submit a program to the Program Placement Council (PPC) for endorsement, which is now part of getting approval to move forward in career education program development. This process is intended to encourage investments in programs that leads to gainful employment for our students while placing labor market information at the forefront of the decision making process.

Dean Theresa Milan and the COE North office developed this memo to address the need for labor market information as part of the PPC process. The memo uses the Strong Workforce Program labor market information template (Exhibit 1) used by the Los Rios Community College District to provide a summary of occupational demand and educational program supply. The findings below summarize the data analysis contained in the Excel file that accompanies this memo attached to the email.

## Findings and Recommendations

- In the Greater Sacramento region, there is an average supply of 52 regional awards in TOP codes 0707.00 – Computer Software Development and corresponding CIP code 11.0201 – Computer Programming/Programmer, General.
- There are 1,200 projected annual openings in the related occupations: 15-1131 Computer Programmers; 15-1132 Software Developer, Applications; 15-1133 Software Developers, Systems Software; and 15-1134 Web Developers.
- It is important to note that three of the four occupations listed above are considered above middle skill occupations – jobs that typically require a bachelor's degree for entry level work. Only the web developer occupation is considered middle-skill – a job that requires more than a high school diploma but less than a bachelor's degree.
- Exhibit 1 contains data for all regional computer programming related awards, including CTE, transfer and four-year awards. While transfer and four-year awards are not counted in the demand and supply table, they still require consideration as completers with bachelor degrees will be the main competitors for two-year degree completers in regional jobs.
- Even when factoring in transfer awards and four-year degrees, undersupply is still indicated in the region (when strictly comparing award supply to projected annual job openings). North COE recommends moving forward with program development.

Please contact Ebony Benzing, COE Research Manager, for further information at [Ebony.Benzing@losrios.edu](mailto:Ebony.Benzing@losrios.edu) or 916-563-3215.

Top6	Top6 Title	SOC Code	SOC Title	Skill Category	Typical Education
0707.00	Computer Software Development	15-1131	Computer Programmers	Above Middle Skill	Requires a Bachelor's or Higher
		15-1132	Software Developers, Applications	Above Middle Skill	Requires a Bachelor's or Higher
		15-1133	Software Developers, Systems Software	Above Middle Skill	Requires a Bachelor's or Higher
		15-1134	Web Developers	Middle Skill	Requires an Associate Degree
<b>Geography - The program identified specifically targets the labor market need for trained workers in...</b>					
- Select a region/subregion or a single county geography using the dropdown lists embedded in the green or blue cell.			<b>Region/Subregion list</b> - Greater Sacramento	<b>County list</b> n/a	
<b>Demand</b> - the program(s) prepare students to work in the following occupations...			<b>Supply</b> - On average, how many awards (certificates and degrees) are conferred by community colleges and other post-secondary institutions in the		
SOC Code	Occupational Title	Annual Openings	Institution Type	# of Awards Conferred (Annual Average)	
1 15-1131	Computer Programmers	229	Community Colleges	50	
2 15-1132	Software Developers, Applications	393	Other Post-secondary Institutions	2	
3 15-1133	Software Developers, Systems Software	466			
4 15-1134	Web Developers	112			
5					
6			<b>Summary of Data Entered:</b>		
7			Demand	1200	
8			Supply	52	
9					
10			<b>Analysis:</b>		
11			<b>It's a go! Undersupply indicated</b>		
12					
13					
14					
15					
<b>Community colleges with same TOP program:</b>			<b>Other ed programs with corresponding CIP programs:</b>		
<i>TOP6 - Top Title</i>			<i>CIP - CIP Title</i>		
<u>School</u>	<u>3-Year Annual Average Awards</u>		<u>School</u>	<u>3-Year Annual Average Awards</u>	
0707.00 - Computer Software Development			11.0201 - Computer Programming/Programmer, General		
CRC	1		MTI	2	
SCC	3				
0707.10 - Computer Programming					
ARC	24				
CRC	7				
FLC	4				
SCC	6				
Yuba	5				
<b>Related programs by TOP (not included in supply):</b>			<b>Related programs by CIP (Not included in Supply):</b>		
<i>TOP6 - Top Title</i>			<i>CIP - CIP Title</i>		
<u>School</u>	<u>3-Year Annual Average Awards</u>		<u>School</u>	<u>3-Year Annual Average Awards</u>	
0706.00 - Computer Science, Transfer			11.0701 - Computer Science		
ARC	21		CSU Sacramento	101	
CRC	9		UC Davis	230	
FLC	14		<b>Totals</b>	<b>331</b>	
SCC	9				
Sierra	6				
<b>Total</b>	<b>59</b>				