

Orange County Regional Consortium College Resource Leadership Council Business Meeting

Approved Full Discussion Minutes: September 21, 2023

8:00 a.m.-8:30 a.m.

Zoom Video-Call Details

Orange County Regional Consortium is inviting you to a scheduled Zoom meeting.

Topic: September 2023 OCRC CRLC Business Meeting
Time: Sep 21, 2023 9:00 AM Pacific Time (US and Canada)

Join Zoom Meeting

<https://rscdd-edu.zoom.us/j/83050440447>

Meeting ID: 830 5044 0447

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Join by Skype for Business

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Voting Members present:

- Margaret Fernandez, Cypress College
- Ken Starkman, Fullerton College
- Tim Vu (Alternate), Golden West College
- Debbie Vanschoelandt, Irvine Valley College
- John Jaramillo, Saddleback College
- Matt Valerius (Alternate), Santa Ana College
- Elizabeth Arteaga, Santiago Canyon College

Voting Members absent:

- Shelly Blair, Coastline Community College
- Raine Hambly, North Orange Continuing Ed.
- Lisa Knipple, Orange Coast College

- I. **Call to Order – Meeting called to order at 8:08 a.m. by Mr. Ken Starkman, CRLC Co-Chair and Dean Resource Associate, OCRC**

- II. **CRLC Member Roll Call – Ms. Maria Lepe, Executive Secretary, called roll – a Quorum of Voting Members was verified.**

- III. **Minutes from the August 2023 CRLC Business Meeting (full discussion) were Approved**
 - a. **Motion:** Debbie Vanschoelandt, Irvine Valley College; **Second:** Matt Valerius, Santa Ana College; **APPROVED**

IV. **Informational Items**

a. **Program Data Requests**

Program Title	Top Code	College	Contact
1. Drone Business and Entrepreneurship Certificate <i>(Note: Listed on August CRLC agenda with no TOP code)</i>	0506.40	Fullerton College	Jay Seidel jseidel@fullcoll.edu
2. Uncrewed Systems Applications Associate in Science Degree	0950.00	Fullerton College	Jay Seidel jseidel@fullcoll.edu
3. Stage Manager Certificate of Achievement	1006.00	Golden West College	Dorsie Brooks dbrooks28@gwc.cccd.edu
4. Full Stack Web Developer	0614.30	Santa Ana College	Jason Sim sim_jason@sac.edu
5. IT Cloud Engineer	0708.00	Santa Ana College	Hugh Nguyen nguyen_hugh@sac.edu
6. IT Cyber Engineer	0708.00	Santa Ana College	Hugh Nguyen nguyen_hugh@sac.edu
7. IT Offensive Security Engineer	0708.00	Santa Ana College	Hugh Nguyen nguyen_hugh@sac.edu
Noncredit Vocational Program			
1. Behavioral and Residential Assistant - Certificate	2104.00	Golden West College	Dorsie Brooks dbrooks28@gwc.cccd.edu
2. Certified Nursing Assistant - Certificate	1230.30	Golden West College	Dorsie Brooks dbrooks28@gwc.cccd.edu

V. **Action Items**

Mr. John Jaramillo, CRLC Chair and Dean Resource Associate, OCRC

- a. **Program Recommendation; Motion:** Matt Valerius, Santa Ana College; **Second:** Tim Vu, Golden West College; **Recommended:** Approved

Program Title	TOP Code	College	Contact	Type of LMI Endorsement	LMI Criteria			Emerging *
					Supply Gap	Wages	Educ. Attain.	
1. Artificial Intelligence	070100	Santa Ana College	Jason Sim sim_jason@sac.edu	N/A				
2. Backend Engineering	070210	Santa Ana College	Jason Sim sim_jason@sac.edu	N/A				

<p>Key: EA = Endorsed: All Criteria Met ES = Endorsed: Some Criteria Met NE = Not Endorsed PA = Pre-Approved</p>	<p>NOTE: A check mark (✓) denotes that specific LMI Criteria was met. *Emerging denotes there are gaps in the traditional labor market information.</p>
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Discussion: Dr. Jesse Crete informed the CRLC group that these program applications were above medium skill, which is why none of the LMI criteria were checked. They were unable to evaluate middle-skill occupations because none were provided to them at the time.

Mr. Jason Sim stated that one of the things Artificial Intelligence is trying to achieve is to establish an AI artificial intelligence certificate. They are collaborating with Intel, and there will be an explosion of artificial intelligence machinery. A total of five courses were developed, as well as a capstone course in which students must complete all five courses. They will use artificial intelligence/machinery to create a real-world application. They are doing their best to prepare their students to work in the field of artificial intelligence. Taking up roles as a programmer or with using AI machines. Currently, there are roughly four community colleges in California that provide AI machinery, AI foundations, and AI for business. They essentially want to follow their lead. This is simply preparing for the next wave of technology, which will arrive in the next couple of years. So, they are also planning to create an associate’s degree and machinery in the future where students can transfer 5 courses into this associates degree and then, hopefully, later on, move out and transfer to a bachelors somewhere in the state of California or out of state and continue their journey, and getting the degree and of a bachelor’s of science in artificial intelligence. This is similar to a steppingstone; they want to ensure that students have all of the capabilities and options available to them.

Mr. Ken Starman congratulated Mr. Jason Sim for being one of the first schools to move this forward, as it is a topic of great interest. Mr. Sim mentioned that the biggest challenge is finding the instructors who can teach the classes, since majority are in the industry.

Mr. Jason Sim clarified that the title Backend Engineering was selected because 90% of the businesses that employ client-server architecture in the workplace are known as backend developers, backend engineers, and backend full stack developers, to name a few. They have a variety of titles, but they all do the same thing: they understand how to operate the backend vibrational database systems and how to integrate enterprise applications on the front end.

This is significant for businesses since backend engineering and full-stack engineers are in high demand, as these professionals have two sets of talents and are highly valued in the industry. Mr. Sim explained that they are attempting to build a certificate in backend engineering and to accomplish the same thing between associates and database management systems, which is the backend, and to have the five courses transfer over to this associate degree. Finally, they are attempting to meet the demand.

Mr. Ken Starkman asked whether SAC currently any certificates has connected to these. Do you have graduates who are working? Or are they primarily going into computer engineering 4-year degree? Mr. Sim commented that they have students who complete certificate and database systems, which is essentially only the backend and not the front end. As a result, they become entry-level Junior Dbas, data analysts, or business analysts. And then there are individuals who take those five classes and then transfer to a Cis, or computer information systems, degree. Lastly, there are other students who go on to acquire their bachelor's degrees.

Dr. Jesse Crete pointed out her concern that students will be unable to find work without additional training. Jason acknowledged that many of these courses still require a bachelor's degree to transfer, and these aren't set up for that. Dr. Crete simply wants people to be informed that we will be creating a precedent on this because there is no LMI criteria marked. Every occupation in the reports has a skill level above the middle. Dr. Crete simply want to make sure that this group is being careful in their approach. There was some discussion about forming a work group to discuss how we can perform the LMI in the future if that is the case. As of now, we're still supposed to be working on middle skill, according to the Chancellor's office. Dr. Crete expressed her support, but she wants all of us to be intentional in how we approach this because we will be setting a precedent for future programs that exclusively train people for employment with above-middle skill levels.

Mr. Ken Starkman asked what was COE's endorsement report? Dr. Crete read the following "Since this proposed new program includes above middle skill occupations only. We are unable to evaluate the labor market information, endorsement, criteria." As this was the decision that we made and spoke with the Deans a couple of months ago.

Dr. Margaret Fernandez asked whether it would be more of a middle skill if it was a programming certificate with an emphasis on art artificial intelligence rather than just artificial intelligence. Mr. Jason Sim responded that it's a point and great idea, the more feedback they receive it's great for them and the students. Dr. Crete stated that in the labor market, computer programmers sock code 15125, which is above the medium scale. They have that in their LMI, the community college attainment level, which is how many individuals in those occupations have it nationally. 20% have some college or less. So that's less than our 33 percent, or one-third of the criteria that's generally applied to determine what is middle skill or not.

Dr. Fernandez asked Dr. Crete what is the marker that they would need to hit or to make this fit into a middle skill? Dr. Crete replied that there is no general programming level occupations that demonstrate medium skills. But practically every one of our institutions has computer programming courses and programs that train individuals for jobs, and they obtain those positions with experience. Other lower-level jobs, such as technician, may exist. Mr. Starkman added that it is something that has to be developed further in Orange County.

Mr. John Jaramillo stated that the difficulty is that many of these jobs will require retraining of engineers and upscaling. He believes that AI will bring to the forefront the necessity for ongoing workforce upskilling across industry sectors and occupational fields. AI will become a part of multiple kinds of occupations, jobs, and how they are used. When considering AI, consider how it will effect data, AI, and marketing. The impact of AI on design and graphics. How artificial intelligence will affect telemarketing and direct service. Mr. Ken Starkman added that the Governor signed an executive order on artificial intelligence, State of California employee is going to have to be trained on artificial intelligence.

VI. Meeting adjourned at 8:42 a.m.

VII. Action Item

Mr. John Jaramillo, CRLC Chair and Dean Resource Associate, OCRC

a. Meeting called to order at 8:42 a.m.

b. Minutes September 21, 2023 CRLC Business Meeting (Action Items) were Approved

- **Motion to approve all action items minutes:** Matt Valerius, Santa Ana College.
Second: Margaret Fernandez, Cypress College; **APPROVED**