Subject:	SMC Bachelor Degree Cloud Computing Collegial Consultation with LA 19
Date:	Monday, February 5, 2024 at 4:04:52 PM Pacific Standard Time
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CC:	RAMOS_PATRICIA, STAHL_HOWARD
Attachments:	Cloud Computing Reiognal Projects Background.pdf

Hello LARC Voting Members and Faculty,
This purpose of this email is to serve as collegial consultation. Santa Monica College is submitting a Cloud Computing BS Degree application that will be an Information Item and Program Recommendation on the February meeting agenda.

In previous meetings we have discussed the development of our Cloud BDP. We are proud to have had all LA 19 colleges engaged in in Cloud Computing regional projects (4 Regional Cloud Projects: 2017-18, 2018-19, 2019-20 & 2020-21). Attached are some highlights and background of the regional projects for your reference.

The labor market demand remains very strong for Cloud Computing as demonstrated in the LMI report (in the application) and this is great news for all of us. We encourage you to review the regional application which includes the upper and lower division coursework. We plan to have full local approval in about a month.

We look forward to working with all of you in the future to have your students transfer to SMC and graduate with a BS in Cloud Computing! We are working on strong articulation and partnerships and aiming to start with our first cohort in Spring 2025.

We anticipate the Board of Governors will fully approve our BDP application at their March or May meeting. We currently have conditional approval, contingent on resolving concerns from the CSU. We do have Substantive Change ACCJC approval for the degree.

Please reply to this email to confirm you received this consultation. Additionally, if would like to schedule a meeting with us and/or the faculty feel free to reach out to coordinate. The lead faculty and our CSIS Department Chair for this project is Howard Stahl and he can be reached at STAHL_HOWARD@smc.edu

In partnership,
Steven Sedky
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&

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California Cloud Workforce / Strong Workforce Regional Projects

Description:
The practical application of skills and industry certifications necessary for entry level jobs makes a cloud computing program appropriate for community colleges to enhance their existing IT, computer science, business or web design programs integrating cloud managed services. The LA Community Colleges produce 680 IT certificates for the entire IT occupations, which is less than annual openings in the occupations affected by cloud computing. AWS has partnered with Santa Monica College (SMC) to develop college credit courses based on an AWS curriculum framework in cloud computing career pathways that begins at the high school and leads to industry certifications. The goal of the CA Cloud Workforce Consortia is to expand this common curriculum and develop a regional career pathway program and certificate.

Participating Colleges:
Cerritos College
Citrus College
Compton College
El Camino College
East Los Angeles College
Glendale College
Long Beach City College
Los Angeles City College
Los Angeles Harbor College
Los Angeles Mission College
Los Angeles Pierce College
Los Angeles Southwest College
Los Angeles Trade Tech
Los Angeles Valley College
Mt. San Antonio College
Pasadena City College
Rio Hondo College
Santa Monica College – LEAD COLLEGE
West Los Angeles College

Outcomes

1-COMMUNITY OF PRACTICE Create a community of professional learners to develop cloud computing programs at each participating community college and partner high school.
2-CURRICULUM Create a common curriculum to serve as the structure of a cloud computing pathway from high school dual enrollment to community college and transfer.
3-INDUSTRY ENGAGEMENT Create a Cloud Computing Industry Council to engage with employer around pathway design and alignment across the consortium and work-based learning for students.

4-INDUSTRY CERTIFICATIONS Align the pathway with industry certifications in cloud computing and include options for preparation and transfer to four-year colleges.

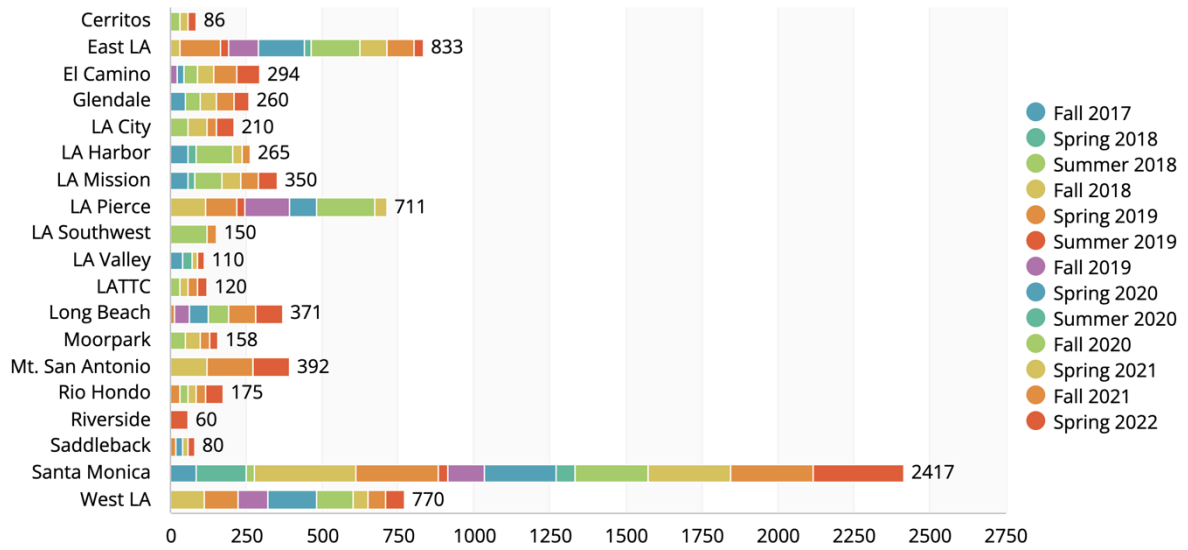*Various Activities Over The Years:*

Numerous Professional Development programs in partnership with AWS Educate and AWS Academy
Joint Curriculum Development
Core Course Approvals At Each College
Core Program Approvals At Each College
Development and Sharing of Core Canvas Course Materials
Local and Regional Marketing Events
Local and Regional Advisory Boards
Partnerships with LA Unified and their CTE Division
Partnerships with LAEDC / Center for a Competitive Workforce, CA Career Ladders Program, Strong Workforce, LA HI-Tech
Faculty-led Cloud Certification Bootcamps for program completers
Free Cloud Certificate Vouchers offered to program completers

Timeline

2017	2018	2019	2020	2021
Pilot	**Program Launch**	**Implementation**	**Implementation**	**Program Improvement**
Santa Monica College, AWS Educate, and Roosevelt High School	California Cloud Workforce Project, 19 Los Angeles Community Colleges and High School Partners Regional Cloud Day at Santa Monica College	Developing the Community of Practice Collaborating on Open-Source Curriculum Faculty Professional Development Engaging Additional Tech Employers	Outreach to High Schools Work-Based Learning Events with Industry Faculty Professional Development • Regional Industry Advisory Board • Intersegmental Professional Development with Los Angeles Unified School District • Virtual Cloud Day • Virtual Welcome Day • Cloud Practitioner and Solutions Architect Bootcamps	Scaling Bootcamps, Certification Preparation, and Career Readiness Activities Piloting Team Internship Model • Regional Industry Advisory Board • Virtual Cloud Days • Virtual Welcome Day • Cloud Practitioner and Solutions Architect Bootcamps

This timeline represents key events and the focus of each year of implementation. The Cloud Project works with the colleges and partners at their own pace. The initiative reflects a mix of early and late adopters. The project leadership adapts to the needs of the locally-grown partnership with implementation at different stages at different colleges.

Enrollments

Total Enrollments by College

Cerritos — 86
East LA — 833
El Camino — 294
Glendale — 260
LA City — 210
LA Harbor — 265
LA Mission — 350
LA Pierce — 711
LA Southwest — 150
LA Valley — 110
LATTC — 120
Long Beach — 371
Moorpark — 158
Mt. San Antonio — 392
Rio Hondo — 175
Riverside — 60
Saddleback — 80
Santa Monica — 2417
West LA — 770

Legend:
- Fall 2017
- Spring 2018
- Summer 2018
- Fall 2018
- Spring 2019
- Summer 2019
- Fall 2019
- Spring 2020
- Summer 2020
- Fall 2020
- Spring 2021
- Fall 2021
- Spring 2022

Colleges Contacted

West LA College
El Camino College
Pierce College
Pasadena City College
LA City College

CSU Northridge
CSU Dominguez Hills

UC Los Angeles