

Memorandum

To: Nicole Griffin

From: Nora Seronello, Director, Center of Excellence (COE), Central Valley/Mother Lode Region

Date: June 13, 2023

Re: Recommendation for exploration in Project Management

Background

Cerro Coso College requested labor market information for Project Management for students who are interested in this field. The occupation provided by the college in this request were at the four-year and above degree level. Therefore, it was determined by the Central Valley/Mother Lode (CVML) Center of Excellence (COE) that this is an upskilling opportunity for students in pursuit, or already in possession of, a BA/BS degree or higher. As a result, the COE opted to utilize this memo data analysis model for establishing demand.

Cerro Coso College is encouraged to incorporate the findings of this report into its Project Management curriculum development process. The college should also include this recommendation memo in their Regional Consortium application.

Additional occupational data is provided below for two Project Management occupations in the South Central Valley/Southern Mother Lode (SCV/SML) subregion.

Findings

Demand Findings

- Project Management occupations are: general and operations managers and project management specialists.
- Current and projected demand for these occupations is high. There are 1,913 projected annual openings in the SCV/SML subregion and 3,186 across the CVML region for the two Project Management occupations.¹
- The fastest-growing occupation in Project Management is general and operations managers, with an 18% projected growth rate across the CVML region.
- The typical entry-level education requirement for general and operations managers and project management specialists is a bachelor's degree.
- Average median wages for these occupations exceed the living wage of the SCV/SML subregion, which is \$11.91/hour for a single adult. In the SCV/SML subregion, workers who possess a Project Management Professional (PMP) certification earn \$16,384 more, on average, annually. Workers with a PMP certification earn a median of \$120,064 annually.

¹ Lightcast, 2023.2.

Job Postings Findings

- In the job postings data, the two occupations resulted in 209 job postings between November 2022 and April 2023 in the SCV/SML subregion. It's important to note that the educational levels of these job postings indicated that 72% of employers required a bachelor's degree, 21% required a master's degree, 4% required a high school diploma or GED, 2% required an associate degree, and 2% required a doctoral degree.
- Common occupations and job titles associated with Project Management occupations in online job postings are shown below.²

Top 10 occupations

- Project Management Specialists
- Information Technology Project Managers
- Managers, All Other
- Construction Managers
- Architectural and Engineering Managers
- Production, Planning, and Expediting Clerks
- Computer and Information Systems Managers
- Medical and Health Services Managers
- Database Architects
- Computer Occupations, All Other

Top 10 job titles

- Project Managers
- IT Project Managers
- Program Managers
- Project Directors
- Technical Project Managers
- PMP Project Managers
- Directors of Projects
- Database Development Managers
- Project Management Interns
- Project Management Supervisors

- Job postings for Project Management occupations in the SCV/SML subregion indicated “project management” as the top skill.

Top 10 specialized skills

- Project Management
- Construction
- Project Management Institute (PMI) Methodology
- Construction Management
- Project Schedules
- Procurement
- Microsoft Project
- Change Management
- Project Scoping
- Project Implementation

- Of the 209 job postings, 383 contained certification data (i.e., indicating a job posting preferred more than one certificate; more than one certificate can be listed in a job posting). All job postings required workers to have a Project Management Professional Certification.

Top 5 certifications

- Project Management Professional Certification
- Certified Scrum Master
- Certified Associate in Project Management
- Professional Engineer (PE) License
- Enrolled Agent (EA)

² Lightcast 2023.2

Supply Findings

- During the academic years between 2018-19 and 2020-21, the SCV/SML subregion conferred an average of 112 annual awards for Taxonomy of Program (TOP) code 050600 - Business Management. This number jumps to 142 average annual awards at the regional level. There were 1,226 average annual awards in the SCV/SML for Classification of Instructional Program (CIP) code 52.0201 - Business Administration and Management, General.³ The average annual awards (bachelor's degree or less) for this CIP code jumps to 2,004 at the regional level. However, only the bachelor's degree level 52.0201 CIP code program completions (1,226) are appropriate to consider as supply in this scenario.
- Based on a comparison of occupational demand (i.e., annual openings) and supply (i.e., awards) at the bachelor's degree level, there is an undersupply of 687 trained *Project Management* related workers in the SCV/SML and an undersupply of 1,960 in the Central Valley/Mother Lode region.

³ Integrated Postsecondary Education Data System (IPEDS)