UNIVERSITY OF CALIFORNIA

Michael V. Drake, MD
President

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July 9, 2021

The Honorable Nancy Skinner
Chair, Joint Legislative Budget Committee
1020 N Street, Room 553
Sacramento, California 95814

Dear Senator Skinner:

Pursuant to Item 6440-001-0001 Provision 6.9(d) of the Committee on Budget and Fiscal Review, Budget Act of 2019 (SB 109, Chapter 363, Statutes of 2019), enclosed is the University of California's biennially report to the Legislature on Extension.

If you have any questions regarding this report, Associate Vice President David Alcocer would be pleased to speak with you. David can be reached by telephone at (510) 987-9113, or by e-mail at David.Alcocer@ucop.edu.

Sincerely,

Michael V. Drake, MD
President

Enclosure

cc: Senate Budget and Fiscal Review
        The Honorable John Laird, Chair
        Senate Budget and Fiscal Review Subcommittee #1
            (Attn: Ms. Anita Lee)
            (Attn: Ms. Jean-Marie McKinney)
        The Honorable Kevin McCarty, Chair
        Assembly Budget Subcommittee #2
            (Attn: Mr. Mark Martin)
            (Attn: Ms. Carolyn Nealon)
        Mr. Hans Hemann, Joint Legislative Budget Committee
        Ms. Erika Contreras, Secretary of the Senate
        Ms. Amy Leach, Office of the Chief Clerk of the Assembly
        Ms. Sue Parker, Office of the Chief Clerk of the Assembly
        Mr. Chris Ferguson, Department of Finance
        Ms. Rebecca Kirk, Department of Finance
        Mr. Brian Rutledge, Department of Finance

Mr. Gabriel Petek, Legislative Analyst Office
Ms. Jennifer Pacella, Legislative Analyst Office
Mr. Jason Constantouros, Legislative Analyst Office
Provost and Executive Vice President Michael Brown
Executive Vice President and Chief Financial Officer Nathan Brostrom
Vice President and Vice Provost Yvette Gullatt
Associate Vice Provost Elizabeth Halimah
Senior Vice President Claire Holmes
Associate Vice President David Alcocer
Associate Vice President and Director Kieran Flaherty

REPORT ON UNIVERSITY OF CALIFORNIA EXTENSION

TO THE CALIFORNIA STATE LEGISLATURE

SUBMITTED BY THE UNIVERSITY OF CALIFORNIA OFFICE OF THE PRESIDENT

JUNE 2021

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Executive Summary

The Budget Act of 2019 (SB 109) Item 6440-001-0001, Provision 6.9(d), which states:

> The University of California shall report biennially, beginning on June 30, 2021, to the Department of Finance and relevant policy and fiscal committees of the Legislature regarding all University of California extension programs. The report shall, at a minimum, include:
> (1) A description of each extension program and how it meets regional labor market needs and student demand.
> (2) A description of current re-entry options and programs, and recommendations on how to improve access and success in these programs.
> (3) The completion rates of programs developed.
> (4) The total cost of attendance for extension programs.
> (5) The number of students and financial aid recipients, by campus and program that complete their degree or program.
> (6) Demographics of students served, disaggregated by race, ethnicity, gender, age, and other factors, provided that disaggregating the data by these categories does not yield results that would reveal personally identifiable information about an individual student.
> (7) An explanation of the circumstances under which extension students may use federal grants and loans for these programs, pursuant to Title IV of the Higher Education Act.
> (8) The estimated number of financial aid recipients, disaggregated by financial award type and the average financial award amount.
> (9) A list of contracts with third-party entities used by University of California extension for educational programs, including but not limited to contracts for the development of course materials, administration of the programs, or the provision of instruction. For purposes of this paragraph, "third-party entities" does not include California community colleges, the California State University or the University of California.

This report responds to these nine criteria and includes responses and data from all nine University of California (UC) extension units. Named differently across the system, each UC extension unit operates independently under systemwide policies. The report includes information on every topic requested by the Legislature and indicates where detailed data may not be available.

The report offers an introduction to the hundreds of professional credential, certificate, and continuing education programs that serve a wide array of students, both domestic and international. UC Extensions operate with an open enrollment model where all potential students have access to continuing education that enhances their skills in a particular profession, industry, or chosen vocation. This open enrollment model is bolstered by some financial support strategies, including scholarships, across the system that help it serve a diverse population of students throughout the state.

Being a self-supporting entity, UC Extension receives no on-going State General Fund (SGF) support and students at UC Extension are not eligible for Cal Grants. UC did receive a one-time $15 million SGF appropriation in 2019 for piloting UC Extension degree and certificate completion programs and the language requiring this report accompanied that one-time appropriation.

Finally, the report details how UC Extension's educational activities are informed by a commitment to understanding ever-changing workforce needs, as reflected in the development of tools for assessing regional workforce needs across California. UC Extension programs are an important component of California's workforce system. It is through these and other commitments and activities that University of California Extension serves hundreds of thousands of students a year, enabling their workforce readiness, professional development, and personal enrichment.

This report focuses on the information requested by the Legislature. A more comprehensive overview of UC Extension and the scope of its activities was presented to the UC Regents in May 2018: https://regents.universityofcalifornia.edu/regmeet/may18/a3.pdf

1. A description of each extension program and how it meets regional labor market needs and student demand.

Across all UC Extension units, there are hundreds of professional credential, certificate, and continuing education programs that serve a wide array of students, both domestic and international. Below is a sample of these programs, focused on professional certificate programs. Each campus provided information on their five highest-enrolled programs, with the majority being professional certificate programs. Following most of these descriptions are explanations of labor market needs and student demand as connected to the programs.

UC Berkeley
1) Certificate Program in Project Management
The Certificate Program in Project Management allows professionals to develop the conceptual know-how and technical skill set to become effective project managers across different industries. In this program, students learn how to plan, initiate and efficiently manage projects throughout their entire lifecycle. Students engage in highly interactive projects in all courses and learn the conceptual knowledge as well as practical skills in defining project scope, schedules, and budgets, collaborating and communicating with key stakeholders, maintaining project quality and integrity, and mitigating project risk. The program's instructors are Silicon Valley experts and academics who provide deep conceptual education in combination with applied training in all the competence areas, processes, tools, techniques and best practices of the *Project Management Body of Knowledge* (*PMBOK*).

Project Management remains one of the fastest growing professions in the San Francisco-Oakland-Berkeley Metropolitan Statistical Area, with over 1,500 new jobs created between 2019 and 2020 (a 3.9% increase). 95% of the 40,466 jobs in 2020 are occupied by professionals aged 25 and older and employer recruitment is open to candidates from various disciplines and backgrounds. Since the profession requires a broad set of skills in business beyond project management, the program remains an attractive career advancement option for experienced professionals.

2) Certificate Program in Accounting
The Certificate Program in Accounting allows professionals to pursue a career in accounting or to advance their accounting and financial knowledge within their current field. In the program, students gain a comprehensive understanding of general accounting principles and gain essential competencies and skills in accounting tools and techniques. Students learn to produce reliable financial data and reports to help managers, investors, creditors and other key stakeholders make informed decisions for their organizations. Through elective courses, students can also explore specializations, such as auditing or taxation. Students can then apply these skills in a wide range of industry sectors—from very large public accounting firms and corporations to nonprofits, small businesses, and government. This program can support students in their preparation for the Certified Public Accountant (CPA) exam offered through the California Board of Accountancy.

Between 2019 and 2020, the number of jobs in Accounting, Auditing and related financial fields within the San Francisco-Oakland-Berkeley Metropolitan Statistical Area declined by 2,298 (a 3.4% decrease). The job market has however remained dynamic, with almost double the number of job postings compared to the national average. 96% of the 65,859 jobs in 2020 are occupied by professionals aged 25 or above and the profession is open to candidates from non-business related backgrounds which makes the program an attractive continuing education option for both career changers as well as career advancers.

3) Certificate Program in Marketing
The Certificate Program in Marketing empowers professionals to take on a role in marketing and contribute to the growth consumer-centric development of companies and organizations. Through case studies and projects, students analyze current market conditions; investigate the relationships of product, price, promotion, distribution, customer relationship management and packaging; and learn to develop an integrated marketing plan. They also apply the latest concepts and techniques in marketing analytics, digital marketing, search engine optimization, brand management, paid advertising, social media and marketing research. Whether students seek to manage a marketing team, a whole business, or step into the role of digital advertiser, content designer, or content strategist, this program provides them with the essentials to succeed in their careers.

Between 2019 and 2020, the number of jobs in Marketing within the San Francisco-Oakland-Berkeley Metropolitan Statistical Area declined by 997 jobs (a 2.5% decrease). 92.7% of the 38,365 jobs in 2020 are occupied by professionals aged 25 or above which makes the program an attractive continuing education option for both career changers as well as career advancers.

4) Certificate Program in Software Development and Programming
The Certificate Program in Software Development and Programming empowers students to start a career in software development in any industry. The program is accessible for students without a prior background in programming and provides them with a complete understanding of the theoretical concepts of programming and software development. Students also acquire advanced technical skills in programming and learn the operational processes of planning and implementing software development projects. In addition to the broad education in all key subject areas, including development life cycle, databases, system administration, security, data communications and web development, students have the opportunity to specialize in a subject matter area of their choice.

Software Development and related fields are very stable professions within the San Francisco-Oakland-Berkeley Metropolitan Statistical Area, with a dynamic and large job pool (twice the national average size and more than double job posting activity). The total amount of available jobs remained flat between 2019 and 2020. 95.1% of the 79,693 jobs in 2020 are occupied by professionals aged 25 and above. Since the number of entry job openings exceeded the number of program completions from all regional institutions in 2019 by 1,532 jobs, it makes the program an attractive continuing education option for both career changers as well as career advancers.

5) Certificate Program in Data Science
The Certificate Program in Data Science allows professionals to advance their technical careers into the growing and dynamic field of Data Science. Students acquire an advanced understanding of the amount and variety of data being collected in connected societies and economies today, including eCommerce sales, app downloads to smartphones, supply chain management, bioinformatics, and connected devices. Students learn to perform advanced data wrangling, data mining, statistical modeling, and machine learning on data sets that are very large and complex. In addition, the program prepares students to make sense of the large quantity of unstructured historical data that organizations have logged and develop innovative solutions to complex business problems.

Data Science and related fields are very stable professions within the San Francisco-Oakland-Berkeley Metropolitan Statistical Area, with a dynamic job pool that is twice the national average size. The total

amount of available jobs remained flat between 2019 and 2020. 94.9% of the 7,239 jobs in 2020 are occupied by professionals aged 25 and above.

UC Davis
1) Winemaking Certificate Program
This internationally-known online Winemaking Certificate Program gives learners the knowledge, confidence and practical insight to pursue their passion for winemaking. The primary goal of the program is to provide a scientific and technical framework for production winemaking, with an emphasis on understanding the chemical and microbiological processes of winemaking. Students learn how to: use a systematic and scientific approach to the practice of assessing wine qualities; evaluate the stability of wine; understand the principle mechanisms of sensory perception; apply fundamental principles of analytical chemistry and microbiology; and understand the important factors in growing quality grapes. Although the program is designed for those in production winemaking, its combination of academic knowledge and real-world, commercial application are useful to anyone serious about a career in the wine industry.

The Winemaking Certificate attracts a mix of career-driven individuals, as well as wine hobbyists, from around the world. This creates some limitations in linking the jobs/occupations/professions of these students directly to labor market identifiers and regional data within our market analytics tool. However, measures of the economic impact of California's wine industry serve as a good indicator of interest and demand in the sector: According to the California Association of Winegrape Growers, in 2015 there were over 325,000 full-time equivalent jobs in California's wine industry, which in turn created over 786,000 jobs across the U.S. Furthermore, according to the Wine Institute, the estimated retail value of California wine exports to the U.S. in 2019 was $43.6 billion, up from $36.5 billion in 2015.

2) Project Management Certificate Program
Project management is a high-value, modern job skill that is in demand across industries. Whether learners are interested in picking up a new skill, earning their Project Management Professional certification or beginning a new career, this online certificate program provides the essential skills to become a successful project manager. This rigorous, experiential program is designed to give working professionals the practical knowledge, tools and techniques that can be applied in their jobs the very next day. Students learn how to: effectively manage project lifecycles; identify, develop, communicate with and manage a high-performance team; utilize tools and techniques to understand and control project schedules and cost variances; manage procurement; and institute quality management measures to enhance the end product and reduce costs. The UC Davis Continuing and Professional Education is approved as a provider of project management training by the Project Management Institute.

Project management is a widely applicable skill or competency. In the Sacramento-Roseville-Folsom Metropolitan Statistical Area, in February 2021 there were 2,332 job postings asking for Project Management skills, up from 1,853 in February 2019 (a 26% increase). High-demand skills associated with Project Management include: budgeting (job postings in the Sacramento-Roseville-Folsom Metropolitan Statistical Area for this skill increased by 13% from 1,570 in Feb 2019 to 1,781 in Feb 2021); agile methodology (job postings increased by 60% from 1,238 in Feb 2019 to 1,979 in Feb 2021); and change management (job postings increased by 24% from 600 in Feb 2019 to 794 Feb 2021).

3) Accounting Principles and Accounting Specialist Certificate Programs

The Accounting Certificate Programs (Accounting Principles and Accounting Specialist) provide students with the knowledge needed to confidently and accurately apply accounting principles and a thorough understanding of accounting practices and financial reporting in order to excel in their careers. Together these Certificates provide crucial academic units needed to sit for the CPA exam, all without pursuing a graduate degree. In the Accounting Principles Certificate Program, students learn how to: prepare, interpret and present financial statements; apply methods to analyze and interpret data; and use accounting principles to develop, manage and expand business. In the Accounting Specialist Certificate Program, students learn how to: understand the concepts and theories underlying current best practices in accounting; develop the analytical skills necessary to evaluate accounting and reporting methods, examine audit processes and develop internal control processes and procedures; and expand accounting applications to a wide variety of business and financial settings.

These accounting programs are a great fit for anyone working in or looking to enter an accounting profession, but basic financial acumen and accounting skills are a necessary component for many other job roles. In the Sacramento-Roseville-Folsom Metropolitan Statistical Area, in February 2021 there were 915 job postings for roles in the Accounting and Auditors occupation group, up from 832 in February 2019. More generally, across all job roles, accounting skills were listed in 3,973 job postings in Feb 2021, up from 3,181 in Feb 2019 (an increase of 25%).

4) Construction Management Certificate Program
The Construction Management Certificate Program is taught by respected industry veterans (and potential employers) who understand the realities of today's building industry. The program provides students with the business, managerial and technical skills to become a construction contractor, construction manager or assume a leadership role in the building industry. Students learn how to: read and apply blueprints and plans from conceptual drawings to final construction; prepare winning bids and manage design-and-build projects of any size; accurately determine construction methods, labor needs and project time frames; implement proven strategies for supervising and monitoring construction activities; use cost accounting principles and applications in a construction environment; and follow rules of bidding and the rights and liabilities of construction contractors and design professionals. The program features a robust curriculum endorsed by the region's top industry associations, including BIA, SRBX and the American Society of Professional Estimators.

Construction is a large and growing sector, especially in the Greater Sacramento Region. While there are many different job roles and occupation groups involved in the construction industry, for the Construction Managers occupation group specifically, job postings grew 26% from 360 in Feb 2019 to 454 in Feb 2021. High-demand skills associated with Construction Management include: subcontracting (job postings in the Sacramento-Roseville-Folsom Metropolitan Statistical Area for this skill increased by 33% from 637 in Feb 2019 to 847 in Feb 2021); quality control (increased by 35% from 1,084 in Feb 2019 to 1,468 in Feb 2021); and construction submittals (increased by 15% from 304 in Feb 2019 to 350 in Feb 2021).

5) Applied Sensory and Consumer Science Certificate Program
The Applied Sensory and Consumer Science Certificate Program is the industry-recognized global leader in the education of sensory science professionals. Approved by the UC Davis Department of Food Science and Technology, this online program is the only one of its kind and is continually updated to reflect current and innovative methods in the area of sensory science and consumer testing. Designed for working professionals, this program combines academic and real-world expertise and explores new

techniques, as well as the foundational theory behind current methods of sensory evaluation for both edible and non-edible products. Program objectives include: physiological and psychological bases for sensory evaluation and consumer testing; basic methods, theories and approaches used in the execution of sensory evaluation and consumer testing research; management of sensory evaluation and consumer testing resources, activities and their interaction with other business units; exploratory research techniques; and current business applications.

Sensory and Consumer Science is a field with broad applicability. As such, this certificate is not intended to train people for a particular job or occupation. Instead, it focuses on a wide range of competencies, which can be applied across many different environments. This program is designed for a global audience, and of the skills taught in the certificate, the following see relatively strong demand in the Greater Sacramento Region: consumer behavior (job postings in the Sacramento-Roseville-Folsom Metropolitan Statistical Area for this skill increased by 86%, from 21 in Feb 2019 to 39 in Feb 2021); research design (job postings more than doubled from 36 in Feb 2019 to 76 in Feb 2021); market research (job postings increased 54% from 196 in Feb 2019 to 302 in Feb 2021); statistics (job postings increased 38% from 185 in Feb 2019 to 255 in Feb 2021); and new product development (job postings increased 46% from 1,202 in Feb 2019 to 1,753 in Feb 2021).

UC Irvine
1) Project Management Certificate Program
The Project Management Certificate Program covers *A Guide to the Project Management Body of Knowledge (PMBOK Guide)*, which serves as the fundamental knowledge base for project management. Upon completion, students will satisfy the education requirements to sit for the Project Management Professional (PMP) Exam. Recognized domestically and internationally, the PMP certification sets the standard for excellence in project management. Upon successful completion of the program, students will be able to: apply fundamental project management principles, theories, and practices, including the basic concepts described in the Project Management Institute's newest release of the *PMBOK Guide*; practice using the most effective project management tools and techniques to launch, plan, and execute a project; identify characteristics of high-performance teams and ways to manage stakeholder expectations; develop documentation on simulated projects to gain a deeper understanding of Project Management principles and practices; satisfy the education requirements to sit for the PMP exam; and earn continuing education credits for professional certifications (PMI REP number 1043).

2) Paralegal Certificate Program
This American Bar Association-approved program provides the educational foundation necessary for paralegals to become ethical, professional, and effective members of a legal services delivery team. Over the past forty years, this Paralegal Program has earned an outstanding reputation for practice-based education. The program consists of approximately 300 hours of instruction from practicing attorneys and paralegals from leading law firms, corporations, and nonprofit organizations. A balance of workplace applicable skills and legal theory prepares graduates to choose to participate in litigation or transactional practices. Concepts and practical skills are taught and reinforced utilizing case studies, lectures, class discussions, group exercises, assignments, and guest speakers. Upon successful completion of the program, students will be able to: advance oral and written communication skills; develop technology skills and a framework for learning new technologies emerging in the legal field; gain analytical skills through the study of case law and the federal and California legal systems; practice critical thinking skills through substantial writing assignments; develop practical litigation and transactional skills and create a framework for understanding the most common areas of law practice in

California; and understand the role and responsibilities of paralegals as well as the rules of professional conduct and their application to legal professionals.

3)   Human Resources Management Certificates Program
The Human Resources Management Program enables students to obtain the knowledge and skills required to successfully fulfill the role of human resources generalist. Through coursework that reflects the most current activities and functions in human resources, this certificate program gives learners a comprehensive view of the generalist's role. Graduates leave this program with the ability to confidently interface with those in specialty human resources areas and have a positive influence on the HR function within an organization. This program is highly regarded by local employers for its "real-world" focus, immediate applicability in the workplace, and most up-to-date information on domestic and international HR practices. In this program, students will increase their knowledge of staffing, compensation, employee relations, recruitment, organizational development, training, and benefits. They will also expand their awareness and knowledge of government regulations as they pertain to HR. In addition, students will learn to successfully integrate new technologies in the human resources function.

4)   Independent Educational Consultant Certificate Program
This program is for educational consulting professionals who are planning to launch an independent practice. In addition to preparing for a new business model, these consultants need to fully understand the college admissions process, and how to address legal, insurance, marketing, ethical and general business issues. The Independent Educational Consultant Certificate Program provides precisely the knowledge and skills needed to build a business practice. The program also provides the knowledge requisite to navigate the college admissions process and the specialization to meet the needs of varied clients. Upon successful completion of the program, students will be able to: learn how to effectively work with families through the college admissions process and financial aid network; acquire the basic skills required to start, open, and grow a successful and ethical educational consulting practice; and learn strategic thinking for developing your business model and marketing plan using proven tactics.

5)   Data Science Certificate Program
The demand for data practitioners has increased dramatically over the past few years. Data science is now continually ranked as one of the most in demand professions and the need for skilled professionals to manage and leverage insights from data is clearer than ever before. The curriculum taught in this Data Science Certificate Program is designed to meet the expanding needs for data professionals at all levels. This program covers a wide array of topics in data science including data-driven discovery and prediction, data engineering at scale (inspecting, cleaning, transforming, and modeling data), structured and unstructured data, computational statistics, pattern recognition, data mining, data visualization, databases, SQL, Python, and machine learning. Upon successful completion of the program, students will be able to: learn from industry experts how to utilize a combination of science, art & business techniques to deliver new insights and competitive intelligence; describe the phases of the analytics lifecycle; utilize a variety of statistical and computer science tools and techniques to analyze data; describe and use the typical tools and technologies required to model and analyze large (big) datasets; explain the use of typical tools to explore data (R, STATISTICA, Hadoop, etc.); utilize an inquisitive "hacker" mentality to uncover new meaning from existing data; effectively design, model and manage databases; describe and utilize unstructured and structured data sets leveraging text analytics tools; and define requirements, develop an architecture, and implement a data warehouse plan.

UCLA
1) Accounting Certificate Program
The Accounting Certificate Program equips professionals with a thorough understanding of accounting standards and principles. The certificate prepares professionals to sit for the CPA Examination. The accounting certificate also provides relevant coursework for CMA, CIA, and CFA certifications. The curriculum consists of nine required accounting courses for a total of 36 quarter units as well as an ethics course that may be taken at any time during the program. Bureau of Labor Statistics data for Los Angeles for this cluster has projected an increase of 5,477 new jobs between 2019-2024. There were 13,242,443 regional job postings for this cluster in 2020.

2) College Counseling Certificate Program
The seven-course College Counseling Certificate Program is designed for teachers, career counselors, admissions personnel, and other professionals who want to develop their professional competencies or are interested in establishing an independent college counseling practice. This program is also ideal for college admissions professionals who want to help high school students identify postsecondary options. Fully online, this program serves California and the cluster for Educational, Guidance, School, and Vocational Counselors, which is expected to grow by 13% between 2018-2028. Regionally, annual employment openings are projected to be 3,578.

3) Paralegal Training Certificate Program
Approved by the American Bar Association for more than 40 years, the Paralegal Studies Certificate Program prepares students for careers as ethical, effective, and efficient professional paralegals in law firms, businesses, government, and nonprofit organizations. This 36-unit program fulfills educational requirements to practice as a paralegal in California and is taught by judges, attorneys, paralegals, and other legal professionals. According to the Bureau of Labor Statistics, employment for paralegals is projected to be among the 10 fastest growing occupations, with an expected growth rate of 22% in the near future. As the demand for qualified paralegals grows, keen competition will continue for these well-paying jobs. Paralegals with extensive educational training and a paralegal certificate from an American Bar Association-approved school are expected to have the best opportunities. Los Angeles metropolitan area labor statistics projects an increase of 952 jobs between 2019-2024. There were 1,159,400 regional job postings for this cluster in 2020.

4) Pre-Medical and General Sciences Certificate Program
The 12-course Pre-Medical and General Science Studies Certificate Program provides a basic grounding in science for pre-med students, as well as for students interested in nursing, dentistry, veterinary studies, and physician assistant training, and it is approved for federal financial aid. The nine courses are from the core disciplines of biology, chemistry, life sciences, mathematics, and physics; the remaining three electives can be chosen from other science disciplines, humanities, or social sciences. The program is designed for individuals returning to school on a part-time or full-time basis. Credit transfers to all UC campuses and many other universities and colleges. For the greater Los Angeles area, labor statistics projects 8,361 new jobs between 2019-2024. There were 3,391,759 regional job postings for this cluster in 2020.

5) Project Management Certificate Program
The Project Management Certificate Program is a six-course, 24-unit program suitable for professionals in all industries and government services—banking, construction, defense, entertainment, health, information technology, etc.—seeking in-depth training in project planning, execution, and control, integrating project components such as schedule, cost, quality, risk, and leadership in compliance with Project Management Institute (PMI) standards. The Project Management Certificate provides grounding in key aspects of PMI's *A Guide to the Project Management Body of Knowledge* (*PMBOK Guide*–5th Edition) for those preparing to take the Project Management Professional Exam and achieve the internationally recognized Project Management Professional (PMP) certification. Bureau of Labor Statistics data for 2019-2024 expects an increase of 1,416 new jobs. There were 1,146,366 regional job postings for this cluster in 2020.

UC Merced
Programs and courses for educators make up the majority of UC Merced Extension's offerings, with Teacher Preparation Program being the largest. The Teacher Preparation Program, launched in Fall 2018, is a non-degree gold seal certificate program authorized to recommend teacher candidates to the California Commission on Teacher Credentialing for preliminary teaching credentials in Multiple Subject and Single Subjects, including Intern credentials. Full-time candidates can earn their credential in as early as one year with verified fieldwork. Roughly 26% of candidates are either currently and/or completed their credentials as an Intern, allowing for full responsibilities as a teacher of record within a public-school setting while completing their preliminary credential. Over 89% of program completers are currently employed as a teacher by a school district in California with 86% of completers employed in the immediate local region of Merced County.

As reported by the California Basic Education Data System annual report, Merced County is estimated to hire 120.6 teachers in the 2020-21 academic year alone (3,420.8 estimated teacher hires in San Joaquin regional association of counties). During the academic year 2020-21, Merced County public school districts reported 106 teachers without full credentials in a classroom as a teacher of record and 162 teachers with full credentials teaching outside of their subject areas. Long term (2018-2028), the state of California's occupations with the most job openings includes Elementary School Teachers (150,740) and Secondary School Teachers (95,370), excluding special education. With the expected increase in teacher vacancies post-pandemic, the Teacher Preparation Program is designed to provide qualified intern and preliminary credential candidates to the regional education labor market.

UC Riverside
1) Professional Certificate Program in Accounting
The Accounting Certificate provides in-depth study for those who wish to pursue a career in the accounting field. Students acquire knowledge and skills they can use in companies large and small, government offices, or the nonprofit sector. Students will examine private and public accounting theory and learn how to look "under the hood" of businesses to help ensure that these firms run efficiently. Completion of this certificate meets one of the State of California educational requirements to sit for the Certified Public Accountant (CPA) exam. Between 2019 and 2020, the accounting labor market trend across career sub-areas and cluster themes remains steady. A comparison of the 5-year projections to current demand indicates a 10% sustained growth projection. Skill gaps in the Inland Empire present specialization opportunities where talent demand is outpacing talent supply 2:1 and in some areas 4:1. The annual earnings potential for accounting-related careers ranges from $55,000—$75,000.

2) Professional Certificate Program in Human Resources Management
Through the Certificate in Human Resources Management Program, students gain a thorough understanding of the most current human resources theories and then put them into practice. Students learn how to establish policies, programs, and procedures that resolve legal or staffing issues, advise managers, create training programs, and provide a wide variety of other support for your organization and its most valuable resource. The use of special projects, case studies, and role-playing opportunities deepens learning. This program is endorsed by the Society for Human Resource Management. Between 2019 and 2020, the overall labor market trend demonstrates an increase across career sub-areas and cluster themes. A comparison of the 5-year projections to current demand indicates a 14.5% sustained growth projection. Skill gaps in the Inland Empire present specialization opportunities where talent demand is outpacing talent supply 2:1 and in some areas 5:1. The annual earnings potential for human resources-related careers ranges from $60,000—$75,000.

3) Professional Certificate Programs in Paralegal Studies
In the Paralegal Studies Program, students gain legal experience with the only ABA-approved program in the Inland Empire. Paralegals conduct essential research to ensure that lawyers know all the facts. They perform a range of legal tasks to help lawyers prepare for closings, hearings, trials, and corporate meetings. Paralegals work in firms, corporations, governments, or nonprofit offices. Between 2019 and 2020, the overall labor market trend demonstrates an increase across career sub-areas and cluster themes. A comparison of the 5-year projections to current demand indicates a 14.5% sustained growth projection. Skill gaps in the Inland Empire present specialization opportunities where talent demand is outpacing talent supply 3:1. The annual earnings potential for paralegal careers ranges from $58,000—$75,000.

4) Early Childhood Programs
Two professional certificate programs are offered, the Teaching in Early Child Care Settings Certificate and the Advanced Teaching and Administration in Early Child Care Settings Certificate. Both programs are based on the fact that the early years of a child's life are fundamental in shaping their overall development. Students acquire skills relating to the California Department of Education's Foundations of Preschool Learning and incorporate age-appropriate curricula to ensure that children's emotional, social, creative, physical, and cognitive needs are met. Students who enroll in these programs are focused on licensure to operate and/or teach in a childcare setting as the program's courses meet the regulatory requirements of the State of California licensure. Students are not interested in completing a certificate but rather taking specific courses that they need in order to obtain a license/ECE permit. Between 2019 and 2020, there is an educator supply shortage evidenced by a 2:1 demand/supply ratio. A comparison of the 5-year projections to current demand indicates a 7% growth projection. There is a skill gap in the Inland Empire of 10:1 in Early Childhood and Pre-K and Spanish Language. The annual earnings potential ranges from $37,000—$40,000.

5) Educational Therapy Professional Certificate Program
Through the Educational Therapy Professional Certificate Program, educational therapists identify where students are struggling, what they need to learn, and how they learn best. Students learn how to demystify both common and unique learning issues and create and implement individualized treatment plans to meet their client's needs. Between 2019 and 2020, there has been an educator supply shortage evidenced by a 2:1 demand/supply ratio. A comparison of the 5-year projections to current demand indicates a 4% growth projection regionally. The annual earnings potential ranges from $58,000—$75,000.

UC San Diego
1) Copyediting Certificate Program
Copy editors are the bridge between writers, publishers, and readers, and copyediting is one of today's most marketable skills for freelance work, leading to a career with flexibility and mobility. Copy editors review, refine, and correct a variety of written material that appears in print or onscreen, such as marketing brochures, blogs, manuals, reports, feature articles, catalogs, and books. Copy editors who have a specialized background (such as science, technical, medical, finance and marketing) or proficiency with digital media are particularly in demand. The Copyediting Certificate Program provides a solid understanding of the tools and techniques of copy editing and introduces several topics required to make copyediting a career. Every lesson offers practical skills and information that students can use immediately. In California, current demand is approximately 570 jobs for the skill "copy editing" under the competency "Communications: Writing." In the San Diego-Carlsbad Metropolitan Statistical Area, there is some demand for related skills. Under the competency "Communications: Writing," there is demand for the skills punctuation (41 jobs) and vocabulary (70 jobs).

2) Project Management Certificate Program
The Project Management Certificate Program features project-based coursework taught by actively practicing industry leaders and subject matter experts using industry-neutral curriculum that allows students to customize the program to suit their career goals. Technical project management, leadership, and business management topics provide a balanced learning approach for project professionals. Students can earn Professional Development Units needed to apply for PMI's Project Management Professional certification exam or Certified Associate in Project Management exam. The certificate curriculum aligns with the *Project Management Body of Knowledge* developed by the Project Management Institute. With regards to demand, project management crosses cluster themes, competencies, and skills.

In the San Diego-Carlsbad Metropolitan Statistical Area, there are the cluster themes "IT: Project Management" (1,219 jobs), "Management: Project Management" (2,620 jobs), and "Sales: Project Management and Assessment" (1,994 jobs). There are also multiple competencies that include skills related to project management. These are "Business," "Business Improvement: Lean," "Business Process and Improvement," and "Project Management." High-demand skills under the "Project Management" competency include project management (605 jobs), project management professional certification (378 jobs), project planning (204 jobs), project closure (276 jobs), and Scrum (Software Development; 223 jobs). Other high-demand skills include Lean Six Sigma (128 jobs), Six Sigma methodology (218 jobs), Milestones (project management; 338 jobs), project schedules (757 jobs), and Microsoft Project (273 jobs).

3) Business Intelligence Analysis Specialized Certificate Program
The Specialized Certificate in Business Intelligence Analysis provides learners with the skills to begin a career in business intelligence, transiting from their current position into a business intelligence analyst position, or to add data analysis skills to their existing skill set. As the amount of data companies collect continues to grow at a rapid rate, the ability to effectively transform that data into actionable information has become paramount for business growth and success. The expanding field of business intelligence is now fundamental to all facets of business across all industries. Business intelligence analysts support data-driven organizational decision-making and maximize the utility of accumulated data. Businesses also use business intelligence analysts to determine how to improve processes, discover efficiencies, support customers, and reduce costs. In this hands-on certificate, students gain a

comprehensive, working knowledge of the complete analytics cycle, from determining requirements to extracting and disseminating information through various visualization techniques. Advanced topics such as predictive analytics, SAS programming, R programming, Python, or SQL can be taken as electives for further specialization.

With regards to demand, for the San Diego-Carlsbad Metropolitan Statistical Area, Business Intelligence appears as both a cluster theme, "Business Analysis: Business Intelligence and Data Science" (5,306 jobs) and a competency, "Business Intelligence" with several related skills. These skills include business intelligence (1,196 jobs), Dashboard (1,190 jobs), reporting tools (369 jobs), analytics (277 jobs), performance reporting (273 jobs), business analytics (237 jobs), business intelligence tools (225 jobs), and Crystal Reports (reporting software; 117 jobs).

4) College Counseling Program
The Program in College Counseling is designed to bring participants the latest in college counseling techniques and to emphasize the personal dimension of working with families during one of their most crucial transitional experiences. Skilled and enthusiastic instructors make the program a professional valuable and personally meaningful learning experience. This program is designed to effectively address the most current and relevant issues of College Counseling. Participants will receive instruction in the fundamentals of building a college counseling operation that provides outstanding service to the college-bound. Courses feature timely comprehensive topics in an online environment related to helping students make the transition to college.

5) Accounting Certificate Program
The Accounting Professional Certificate Program provides students the opportunity to gain a solid foundation in accounting skills and an understanding of the environment in which accountants work. This program is designed for individuals who want to pursue a career in accounting. For students who hold a bachelor's degree, the specific educational requirements to sit for the exams needed for certification or licensure may be met by completing the Certificate and the required courses established by the particular governing organization.

Accounting includes several cluster themes and competencies with a wide range of skills. Cluster themes present in the San Diego-Carlsbad Metropolitan Statistical Area include "Accounting: Auditing" (2,065 jobs), "Accounting: Reporting and Bookkeeping" (2,821 jobs), and "Accounting: Tax Preparations" (3,355). Clusters not present in San Diego-Carlsbad are "Accounting: Medical Billing and Coding" and "Accounting: Technical and Cost Accounting." Relevant competencies include "Accounting," "Accounting: Auditing," "Accounting: Corporate Tax," "Accounting: Tax," "Finance," and "Finance: Costing." The most in demand skills are accounting (2,675 jobs), generally accepted accounting principles (1,329 jobs), income tax (954 jobs), certified internal auditor (901 jobs), general ledger (832 jobs), and certified public accountant (748 jobs).

<u>UC Santa Barbara</u>
1) Child Life Program
The Child Life Program is designed to prepare students for the Child Life Specialist certification exam. Coursework focuses on childhood growth and development as well as the psychological impact of illness, divorce, and grief. The program is targeted to assistants, interns, pediatric medical providers, and classroom teachers working with children who have chronic or life-threatening illnesses.

2) Applied Behavior Analysis Program
The Applied Behavior Analysis Program prepares board-certified professionals and assistants in the field of applied behavior analysis, providing students with strong core knowledge of the behavior analytic principles necessary for the Board Certified Behavior Analyst/Board Certified Assistant Behavior Analyst certification exam. Applied Behavior Analysis specialists can offer their services in various environments such as schools, hospitals, organizations, clinics, in-home, and private practice. Several business sectors are now seeking behavior analysts to help with organizational behavior management.

3) Technology Management Program
The Technology Management Program is a multidisciplinary field of science that examines the opportunities and challenges of technological innovation, industry disruption, and organizational change, and the influence on business performance and competitive advantage. It offers UC Santa Barbara undergraduates the opportunity to gain an understanding of the wide range of concepts and principles that are key to organizational success through the various stages of start-up, growth, and continued operations of technology-driven businesses. The program is offered in partnership with the campus' Technology Management Department.

4) Paralegal Studies Program
The Paralegal Studies Program prepares students wanting to advance their career in the legal and paralegal workspace. Paralegals typically support attorneys in litigation, perform legal research, analyze legal documents and represent clients before a state or federal administrative agency if that representation is permitted, performing substantial legal work under the direction and supervision of an attorney. UC Santa Barbara's Paralegal Studies Program is the only American Bar Association-approved program on the central coast of California.

5) Digital Marketing Program
The Digital Marketing Program provides hands-on experience with winning marketing strategies being used across today's digital landscape. Students are taught best practices in online analytics and measurement, website optimization and are given the necessary tools to implement a comprehensive digital marketing strategy, from formulation to implementation, applicable for any business, product, or service. The program targets those seeking a career in marketing, communications, digital media, branding, advertising, and public relations, and helps leaders of small or medium businesses to develop strategies to boost their exposure and engage with modern consumers.

UC Santa Cruz
1) Database and Data Analytics Certificate Program
The Certificate Program in Database and Data Analytics consists of two fields of study: (1) the database focus is designed for enterprise data professionals who are involved in designing, administering and using shared databases, including building business intelligence and (2) the data analytics focus offers a comprehensive introduction to the field, including algorithms, tools, frameworks, and practices in managing Big Data and performing data mining. The industry of business intelligence and analytics has undergone major shifts in fundamental technologies. This certificate program offers up-to-date training for data scientists, analysts, administrators and managers who want to apply analytics to business decision-making. Expert instructors present the latest technologies and developments through a hands-on approach to facilitate learning.

2) Project & Program Management Certificate Program

Over the last 20 years, the skills and art of project management have been tuned to meet the special needs of Silicon Valley's technology industries. The application of increasingly sophisticated project management practices and systems has become the benchmark for successful product development as well as a wide range of other business tasks. As cycles get shorter—and budgets get leaner—project managers who possess a full complement of skills are indispensable to the success of organizations. Renowned for its real-world curriculum, the Project and Program Management Certificate is tailored to the fast-moving, constantly changing workplace in Silicon Valley.

3) Computer Programming Certificate Program

Software applications are deployed in nearly every facet of modern life. The result is a growing demand for technical professionals who can create, code, maintain and enhance software applications. The Certificate Program in Computer Programming can help students build a strong foundation in software development and apply coding skills across a wide range of platforms, from computers and mobile devices to web development and the cloud. The certificate covers all major programming languages used in the industry. Each language has its application environment. UC Santa Cruz offers two levels of courses to suit students with different backgrounds and needs. Many courses use open-source tools in the lab environment to give students hands-on programming experience.

4) Human Resources Management Certificate Program

Human resource management is a dynamic profession that continues to grow in complexity and stature. The profession's diversity demands both the specialist and generalist perspectives to stay current and succeed. Students can take individual courses to update specific skills or pursue the certificate for comprehensive training from the Human Resource professionals who shaped this important profession in Silicon Valley. UC Santa Cruz offers five state-of-the art curricula tracts to help achieve the career goals of those invested in the Human Resource field.

5) Software Engineering and Quality Certificate Program

The curriculum in Software Engineering and Quality blends foundation-level courseware in software engineering with cutting-edge developments in software quality, testing and software project management. The software engineering track covers the software architecture and the software developmental process. The quality and testing track offers courses in the latest testing strategies and methods. The software management track instructs the practices and skills in managing the entire software project. It is unique in that UC Santa Cruz brings together software engineering, testing and management in one program.

(2) A description of current re-entry options and programs and recommendations on how to improve access and success in these programs.

UC Extensions operate with an open enrollment model that allows students to pursue professional credentials, certificates and continuing education on a flexible schedule. Historically, Extension students are post-baccalaureate, working professionals who seek to enhance or expand focused skills in a particular profession or industry. UC's Extensions offer students guidance and advising on typical schedules and progress; however, open enrollment means a student may enroll in varying quarters and course loads. The completion of a certificate is most often not the final objective of many continuing education students. Instead, students often take an introductory course out of initial interest and they may continue with another course—and then another—until they decide the desired outcome or objective is to attain the certificate. In many cases, students enroll in specific subject areas and only in the courses needed to reach a desired outcome such as a professional certification, licensure, continuing education requirements, or job-related training.

UC's Extensions serve a broad spectrum of student needs, which means a continuous adaption to market changes and ever-changing workforce needs. It was for this reason that UC San Diego's Extension, in partnership with UC San Diego's Center for Research and Evaluation, developed the Skillscape Workforce Dashboard. This tool will be central to helping UC's Extensions understanding of regional workforce needs across California, as well as understanding Californians who do not complete their undergraduate degrees. This tool, then, is another way in which Extensions are working towards access and student success. For some Extensions, tools such as the Skillscape Workforce Dashboard are paired with student support initiatives. UC Riverside's Student Success Coaches, for example, support students throughout their educational journey and reengage students who suspended their academic careers before completing their program.

A majority of UC Extensions are involved with the Workforce Innovation and Opportunity Act (WIOA), a federal source of support for potential workers. The 2014 WIOA is designed to strengthen and improve our nation's public workforce system and help get citizens, including youth and those with significant barriers to employment, into high-quality jobs and careers and help employers hire and retain skilled workers. A majority of UC Extensions are approved training providers for people who are trying to re-enter the workforce via WIOA. Extensions are equally involved with the Trade Adjustment Assistance Reauthorization Act of 2015 that provides aid to workers who lose their jobs or whose hours of work and wages are reduced as a result of increased imports. The Trade Adjustment Assistance Program (TAAP) Program is a federal program established under the Trade Adjustment Assistance Reauthorization Act and partners with the majority of UC Extensions. The following are figures for UC Extension participation with the WIOA and TAAP (campuses not listed do not participate in the program):

Figure 1a: Students and enrollments funded by WIOA & TAAP, 2017-2018	
Campus	**WIOA and TAAP students and enrollments**
Davis	30 students; 210 enrollments
Irvine	285 students; 611 enrollments
Los Angeles	61 students; 412 enrollments
Riverside	58 students; 165 enrollments
San Diego	92 students
Santa Cruz	140 students; 1080 enrollments

Figure 1b: Students and enrollments funded by WIOA & TAAP, 2018-2019	
Campus	**WIOA and TAAP students and enrollments**
Davis	15 students; 105 enrollments
Irvine	296 students; 693 enrollments
Los Angeles	58 students; 396 enrollments
Riverside	49 students; 157 enrollments
San Diego	145 students
Santa Cruz	135 students; 853 enrollments

Figure 1c: Students and enrollments funded by WIOA & TAAP, 2019-2020	
Campus	**WIOA and TAAP students and enrollments**
Davis	40 students; 280 enrollments
Irvine	255 students; 506 enrollments
Los Angeles	38 students; 280 enrollments
Riverside	60 students; 151 enrollments
San Diego	194 students
Santa Cruz	130 students; 784 enrollments

(3) The completion rates of programs developed.

The completion rates below are based on a five-year period, from July 2015 to July 2020 and limited to the five highest-enrolled certificate programs at each campus. All students, both domestic and international, in these programs are included. It should be noted that these completion rates are for the entire certificate program. There are many students who enroll in certificate programs and only take specific courses that they need for their workforce training or professional development and thus do not "complete" the certificate.

Figure 2a: UC Berkeley completion rates	
Program	**Completion Rate**
Project Management	50%
Accounting	19%
Marketing	44%
Software Development and Programming	16%
Data Science	23%

Figure 2b: UC Davis completion rates	
Program	**Completion Rate**
Winemaking	33%
Project Management	32%
Accounting	48%
Construction Management	54%
Applied Sensory and Consumer Science	73%

Figure 2c: UC Irvine completion rates	
Program	**Completion Rate***
Project Management	52%
Paralegal	63%
Human Resources Management	35%
Independent Educational Consultant	40%
Data Science	18%

*Note: Completion rates are substantially higher for students that have declared their intention to complete the certificate program. For those students, the completion rates range from 74% to 95% depending upon the program.

Figure 2d: UCLA completion rates	
Program	**Completion Rate**
Accounting	31%
College Counseling	38%
Paralegal Studies	65%
Pre-Medical & General Science Studies*	5%
Project Management	46%

* Note: A majority of students only complete the courses they need to satisfy pre-requisites for professional schools such as: Medical School; Nursing School; Dental School; and Pharmacy School. Therefore, most do not complete the 12-course certificate as it is not a pre-requisite for professional school.

Figure 2e: UC Merced completion rates	
Program	**Completion Rate**
Teacher Preparation Program	42%

Figure 2f: UC Riverside completion rates	
Program	**Completion Rate**
Accounting	38%
Human Resources Management	60%
Paralegal Studies	53%
Early Childhood Studies*	0%
Educational Therapy Professional Certificate	59%

*Early Childhood students are primarily taking these classes to earn teaching permits issued by the State of California and are typically not interested in earning a certificate.

Figure 2g: UC San Diego completion rates	
Program	**Completion Rate**
Copyediting	47%
Project Management	38%
Business Intelligence Analysis	45%
College Counseling	57%
Accounting	23%

Figure 2h: UC Santa Barbara completion rates	
Program	**Completion Rate**
Child Life	41%
Applied Behavior Analysis	30%
Technology Management	88%
Paralegal Studies	47%
Digital Marketing	62%

Figure 2i: UC Santa Cruz completion rates	
Program	**Completion Rate**
Database and Data Analytics	85%
Project & Program Management	70%
Computer Programming	60%
Human Resources	69%
Software Engineering and Quality	96%

(4) The total cost of attendance for extension programs.
The figures below are limited to the five highest-enrolled certificate programs at each campus. The cost of attendance includes fees and/or tuition and does not include items such as books or materials. Because the vast majority individuals taking these programs are adult working professionals who already have a bachelor's degree, the traditional residential university calculation of "total cost of attendance" including room and board costs is not applicable. Reflected below are fees and/or tuition paid by California residents.

Note: Program designs vary from campus to campus even within the same subject area (e.g., Project Management) and pricing is a function of not only local market conditions but the number of units conferred by the program as well.

Figure 3a: UC Berkeley total program fees, 2020-21	
Program	**Total cost**
Project Management	$6,900
Accounting	$9,400
Marketing	$4,700
Software Development and Programming	$4,000
Data Science	$5,100

Figure 3b: UC Davis total program fees, 2020-21	
Program	**Total cost**
Winemaking	$8,810
Project Management	$5,610-$6,725*
Accounting	$2,992-$4,400*
Construction Management	$4,462-$5,253*
Applied Sensory and Consumer Science	$8,925

*These programs include a "Fast Track" pay-in-advance option which offers a 15% discount on the cost of the full program.

Figure 3c: UC Irvine total program fees, 2020-21	
Program	**Total cost**
Project Management	$3,385
Paralegal	$6,783
Human Resources Management	$5,445
Independent Educational Consultant	$5,270
Data Science	$5,865

Figure 3d: UCLA total program fees, 2020-21	
Program	**Total cost**
Accounting	$7,085
College Counseling	$5,420
Paralegal Studies	$8,250
Pre-Medical & General Science Studies	$15,095
Project Management	$6,150

Figure 3e: UC Merced total program fees, 2020-21	
Program	**Total cost**
Teacher Preparation Program—Multiple Subject Credential Pathway	$18,450
Teacher Preparation Program—Single Subject Credential Pathway	$15,750

Figure 3f: UC Riverside total program fees, 2020-21	
Program	**Total cost**
Accounting	$6,695
Human Resources Management	$3,675
Paralegal Studies	$6,500
Early Childhood Programs	$3,680
Educational Therapy Professional Certificate	$4,200

Figure 3g: UC San Diego total program fees, 2020-21	
Program	**Total cost**
Copyediting	$2,566
Project Management	$4,500
Business Intelligence Analysis	$3,700
College Counseling	$1,505
Accounting	$6,500

Figure 3h: UC Santa Barbara total program fees, 2020-21	
Program	**Total cost**
Child Life	$3,095
Applied Behavior Analysis	$3,045
Technology Management	$1,250
Paralegal Studies	$4,035
Digital Marketing	$2,145 - $2,395

Figure 3i: UC Santa Cruz total program fees, 2020-21	
Program	**Total cost**
Database and Data Analytics	$6,000
Project & Program Management	$6,000
Computer Programming	$5,600
Human Resources	$7,500
Software Engineering and Quality	$6,000

(5) The number of students and financial aid recipients, by campus and program that complete their degree or program.

Below are the number of financial aid recipients by type of program. UCLA and UC Merced are the only campus extensions that identified federal Title IV financial aid recipients, shown separately below. Students in UC Extension are not eligible for Cal Grants. In all cases, the data is limited to Academic Years 2017-2018, 2018-2019, and 2019-2020.

Figure 4a: UC Berkeley, number of students receiving financial support			
Program	**AY 2017-18**	**AY 2018-19**	**AY 2019-20**
All programs	16	53	88

Figure 4b: UC Davis, number of students receiving financial support*			
Program	**AY 2017-18**	**AY 2018-19**	**AY 2019-20**
All programs	100	151	221

* Includes public funding, such as WIOA and VA, and private loans

Figure 4c: UC Irvine, number of students receiving financial support			
Program	**AY 2017-18**	**AY 2018-19**	**AY 2019-20**
Project Management	N/A	N/A	0
Paralegal	N/A	N/A	3
Independent Educational Consultant	N/A	N/A	4
Human Resources Management	N/A	N/A	1
Applied Accounting	N/A	N/A	1

Figure 4d: UCLA, number of students receiving financial support			
Program	**AY 2017-18**	**AY 2018-19**	**AY 2019-20**
All programs	298	249	283

UCLA Extension has a limited number of certificate programs that are eligible for Title IV federal financial aid. Of the current eligible programs, two are among the five highest-enrolled programs: the Pre-medical & General Sciences Certificate Program and the Paralegal Training Program.

Figure 4e: UCLA, number of Title IV financial aid recipients			
Program	**AY 2017-18**	**AY 2018-19**	**AY 2019-20**
Pre-medical & General Sciences	83	71	68
Paralegal Training Program	110	76	95

At UC Merced, Teacher Preparation Program candidates are eligible, under Title IV, for financial aid:

Figure 4f: UC Merced, number of Title IV financial aid recipients who complete the program			
Program	**AY 2017-18**	**AY 2018-19**	**AY 2019-20**
Teacher Preparation Program	N/A	1	17

Figure 4g: UC Riverside, number of students receiving financial support*			
Program	**AY 2017-18**	**AY 2018-19**	**AY 2019-20**
All programs	88	69	96

* Includes public funding, such as WIOA and VA

Figure 4h: UC San Diego, number of students receiving financial support			
Program	**AY 2017-18**	**AY 2018-19**	**AY 2019-20**
Copyediting	5	2	1
Project Management	3	24	18
Business Intelligence Analysis	2	10	13
College Counseling	1	2	0
Accounting	13	6	5

Figure 4i: UC Santa Barbara, number of students receiving financial support			
Program	**AY 2017-18**	**AY 2018-19**	**AY 2019-20**
All programs	n/a	n/a	19

(6) Demographics of students served, disaggregated by race, ethnicity, gender, age, and other factors, provided that disaggregating the data by these categories does not yield results that would reveal personally identifiable information about an individual student.

The below tables reflect all open program enrollment at UC Extensions during Academic Years 2017-2018, 2018-2019, and 2019-2020.[1] Note that UC Davis only provided figures for 2019-20.

Figure 5a: Demographics of student served, Academic Year 2017-18			
Campus	**Percent of Race/Ethnicity**	**Percent of Gender**	**Percent of Age**
UC Berkeley	N/A	55% Female 33% Male 12% Did Not Provide	24% 18-25 31% 26-35 13% 36-45 7% 46-55 3% 56-65 1% Above 65 22% Did Not Provide
UC Irvine	N/A	55% Female 44% Male 1% Declined to State	12% 18-25 34% 26-35 26% 36-45 20% 46-55 7% 56-65 1% 66-75
UCLA	28% White 15% Asian 3% Black 9% Hispanic/Latinx 4% Multiracial 4% Other 3% Decline to State 34% Did Not Provide	26% Male 42% Female 32% Did Not Provide	6% 18-25 33% 26-35 15% 36-45 8% 46-55 5% 56-65 3% 66-75 3% 76-85 1% 86+ 28% Did Not Provide
UC Riverside	2% White 0.4% Asian 0.3% Black or African American 2% Hispanic/Latinx 0.1% American Indian or Alaska Native 0.2% Other 0.1% Declined to State, 95% Did Not Provide	23% Female, 15% Male, 62% Did Not Provide	1% 0-17 19% 18-25 15% 26-35 10% 36-45 8% 46-55 5% 56-65 2% 66-75 1% 76-85 0.1% 86-95 3% 96+ 37% Did Not Provide

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[1] In most cases, the majority of non-credit enrollments are contract based, and the participating agency clients do not provide demographic data to Extensions on their employees participating in these programs. If these contract-based enrollments were included here, the demographic profile would likely be considerably more diverse, especially considering the UC's Extensions training of social services workers statewide. Also worth nothing is that in some cases demographic data derives from survey sampling as opposed to census data.

Figure 5a: Demographics of student served, Academic Year 2017-18 (cont.)			
UC San Diego	N/A	58% Female 42% Male	17% 18-24 35% 25-34 21% 35-44 14% 45-54 8% 55-64 5% 65+
UC Santa Barbara	N/A	N/A	63% 18-25 20% 26-35 10% 36-45 6% 46-55 2% 56-65 0.1% 66+

Figure 5b: Demographics of student served, Academic Year 2018-19			
Campus	**Percent of Race/Ethnicity**	**Percent of Gender**	**Percent of Age**
UC Berkeley	N/A	54% Female 34% Male 12% Did Not Provide	27% 18-25 32% 26-35 14% 36-45 7% 46-55 3% 56-65 1% Above 65 15% Did Not Provide
UC Irvine	N/A	56% Female 42% Male 1% Declined to State	14% 18-25 34% 26-35 26% 36-45 18% 46-55 7% 56-65 1% 66-75
UCLA	27% White 15% Asian 3% Black 10% Hispanic/Latinx 4% Multiracial 4% Other 3% Decline to State 35% Did Not Provide	43% Female 26% Male 31% Did Not Provide	8% 18-25 29% 26-35 13% 36-45 7% 46-55 4% 56-65 3% 66-75 2% 76-85 1% 86+ 32% Did Not Provide
UC Merced	4% Black or African American 11% White 7% Asian 59% Hispanic/Latinx 4% Multiracial 15% Other	N/A	44% 22-25 56% 26-29
UC Riverside	2% White 1% Asian 0.3% Black or African American 2% Hispanic/Latinx 0.2% Other 0.2% Decline to State 95% No Response	25% Female 15% Male 60% No Response	1% 0-17 20% 18-25 18% 26-35 13% 36-45 9% 46-55 4% 56-65 1% 66-75

Figure 5b: Demographics of student served, Academic Year 2018-19			
			0.4% 76-85 0.1% 86-95 2% 96+ 32% No Response
UC San Diego	N/A	58% Female 42% Male	17% 18-24 35% 25-34 21% 35-44 14% 45-54 8% 55-64 5% 65+
UC Santa Barbara	N/A	N/A	55% 18-25 23% 26-35 11% 36-45 7% 46-55 3% 56-65 0.6% 66+

Figure 5c: Demographics of student served, Academic Year 2019-20			
Campus	**Percent of Race/Ethnicity**	**Percent of Gender**	**Percent of Age**
UC Berkeley	N/A	53% Female 32% Male 14% Did Not Provide	28% 18-25 32% 26-35 14% 36-45 7% 46-55 3% 56-65 1% Above 65 15% Did Not Provide
UC Davis	61% White 10% Hispanic/Latinx 8% Asian 3% Black or African American 3% Multiracial 1% American Indian or Alaska Native 5% Other 9% Decline to State	51% Male 49% Female	4% 24 or under 22% 25-34 22% 35-44 28% 45-54 18% 55-64 7% 65+
UC Irvine	2% White 1% Asian 1% Other 96% Unknown	54% Female 42% Male 2% Declined to State 2% Unknown	15% 18-25 36% 26-35 23% 36-45 19% 46-55 7% 56-65
UCLA	28% White 15% Asian 4% Black 11% Hispanic/Latinx 4% Multiracial 4% Other 3% Declined to State 31% Did Not Provide	28% Male 48% Female 23% Did Not Provide	10% 18-25 27% 26-35 13% 36-45 8% 46-55 5% 56-65 3% 66-75 2% 76-85 .5% 86+ 31% Did Not Provide
UC Merced	2% Black or African American 24% White 6% Asian	N/A	41% 22-25 37% 26-29 22% 30-53

Figure 5c: Demographics of student served, Academic Year 2019-20		
	63% Hispanic/Latinx 2% Multiracial 2% Other		
UC Riverside	3% White 1% Asian 0.4% Black or African American 3% Hispanic/Latinx 0.1% American Indian or Alaska Native 0.1% Native Hawaiian or Other Pacific Islander 0.3% Other 0.2% Declined to State 93% No Response	25% Female 14% Male 61% Declined to State	2% 0-17 19% 18-25 19% 26-35 13% 36-45 8% 46-55 4% 56-65 1% 66-75 0.6% 76-85 0.1% 86-95 0.1% 96+ 34% No Response
UC San Diego	N/A	58% Female 42% Male	17% 18-24 35% 25-34 21% 35-44 14% 45-54 8% 55-64 5% 65+
UC Santa Barbara	N/A	N/A	63% 18-25 21% 26-35 9% 36-45 5% 46-55 2% 56-65 0.2% 66+

(7) An explanation of the circumstances under which extension students may use federal grants and loans for these programs, pursuant to Title IV of the Higher Education Act.

Only UCLA and UC Merced Extension indicated that they enroll students under Title IV. At UCLA, Extension is covered under the Program Participation Agreement for Title IV programs and, in accordance with the Federal Student Financial Aid Handbook, program eligibility section (34 CFR 668.8), UCLA Extension certificate programs fall under the definition of "Short Term Programs." Students enrolled in a Title IV eligible program qualify for federal student loans (subsidized and unsubsidized), if determined eligible by the Federal Processor.

The Department of Education and the Western Association of Schools and Colleges view an Extended Studies (continuing education) program and courses as integral parts of the institution. As a result, all University Extension schools exercise autonomy in the same manner as many of its main campus schools and colleges of the institution. UCLA Extension reports to the Chancellor in the same manner as other colleges on campus and is represented by the Academic Senate.

UCLA Extension follows the criteria outlined in chapter 2, program eligibility section of the Department of Education Federal Student Aid Handbook. The basic eligibility criteria is:

1. Certificate programs must be an approved Extension certificate that has been in existence no less than one year prior to the application date (i.e. the date the certificate was officially launched and offered).

2. There must be at least one year of documented history for enrollment, completion rates and placement rates.

3. Certificate programs must prepare students for gainful employment in a specific recognized occupation. A needs assessment should be included which demonstrates the viability of the program relative to the employment needs of the local market for potential graduates. Specifically, the data will need to include a detailed Statement of Need/Market Demand and Overall Learning Objectives.

Certificate programs must be at least one (1) academic year in duration, requiring a minimum of 36 units and must provide at least 300 instructional hours. Certificate Programs meeting the above criteria are submitted to the UCLA Financial Aid Office Compliance Unit for review. The Compliance Unit submits the certificate program application to the U.S. Department of Education for review.

At UC Merced, Title IV eligibility requirements are as follows. A student who is enrolled at least half-time in a postbaccalaureate teacher certification or licensure program is eligible to receive Pell Grant, TEACH Grant, Direct Subsidized/Unsubsidized Loans (and a parent may receive Direct PLUS Loans on behalf of a dependent student) for the period necessary to complete the program if:

- The program does not lead to a graduate degree.
- The school offering the program does not also offer a bachelor's degree in education.
- The student is pursuing an initial teacher certification or licensing credential with a state; and
- The program consists of the courses required by a state to receive a professional certification or licensing credential necessary for employment as a teacher in an elementary or secondary school in that state.

(8) The estimated number of financial aid recipients, disaggregated by financial award type and the average financial award amount.

The below figures are limited to students receiving scholarships in Academic Years 2017-18, 2018-19, 2019-20 and include students in all Extension programs, not just the five highest-enrolled certificate programs.

Figure 6a: Number of scholarship recipients, Academic Year 2017-18					
Campus	**Program name**	**Scholarship name**	**Scholarship type**	**Number of recipients**	**Total amount awarded to recipients**
UC Berkeley	Public Programs	UC Berkeley Extension Scholarship (Spring 2018)	General	4	$4,000
	Berkeley Haas Global Access Program (BHGAP)	Peru University Champs - BHGAP Grant Fund	Program Specific	3	$99,750
	Personal Financial Planning Program	Personal Financial Planning Program Grant Fund	Program Specific	2	$4,000
	Mediation and Conflict Resolution	FCDR Judges Mediation Scholarship Fund	Program Specific	3	$2,985
	Berkeley Haas Global Access Program	Berkeley Haas Global Access Program	Program Specific	4	$16,000
UC Davis	All Programs	Combination of Veteran Affairs, Private Loans and Training Funds	General	100	$700,000
UCLA		AmeriCorps Education Award	General	84	$137,410
		UCLA Extension Grants	General	69	$26,700
	Pathways	Federal Aid Grants	Program Specific	4	$19,080
		Federal Loans	Program Specific (only approved certificate programs)	270	$2,246,650
		Private Alternative Loans	General	205	$2,470,110
		VA Benefits	Program Specific	168	$2,742,390
		Workforce Investment Board	Program Specific	61	$419,680
		Other External Aid	General	1	$111,990

Figure 6a: Number of scholarship recipients, Academic Year 2017-18					
UC Riverside	Accounting	UCR University Extension Scholarship for Student Success	General	1	$250
	TESOL Certificate	UCR University Extension Scholarship for Student Success	General	1	$250
	Project Management	UCR University Extension Scholarship for Student Success	General	1	$250
	Paralegal	UCR University Extension Scholarship for Student Success	General	3	$750
	College Admissions Counseling	UCR University Extension Scholarship for Student Success	General	1	$250
	Crime Scene Investigation	UCR University Extension Scholarship for Student Success	General	1	$250
	Professional Certificate in Education Therapy	UCR University Extension Scholarship for Student Success	General	1	$250
	Crime Science Investigation Intensive Academy	UCR University Extension Scholarship for Student Success	General	2	$500
	Professional Certificate Gifted and Talented	UCR University Extension Scholarship for Student Success	General	1	$250
	Supplemental Authorization in Introductory Math	UCR University Extension Scholarship for Student Success	General	1	$250
	Crime and Intelligence Analysis	UCR University Extension Scholarship for Student Success	General	1	$250
	College Admissions Counseling	The Sue Teele Education Extension Award Endowed Fund	General	1	$300
		VA Benefits	Program Specific	14	$19,389
		Workforce Investment Board	Program Specific	59	$123,289

				Number of recipients	**Total amount awarded to recipients**
Campus	**Program name**	**Scholarship name**	**Scholarship type**		
UC Berkeley	Public Programs	UC Berkeley Extension Scholarship (Spring 2019)	General	5	$5,000
	Fundraising and Volunteer Management	Mobilizing Resources Grant Fund	Program Specific	29	$32,800
	Berkeley Haas Global Access Program	Berkeley Haas Global Access Program	Program Specific	12	$56,000
	Legal Studies Global Access Program	Legal Studies Global Access Program	Program Specific	1	$5,000
	College of Environmental Design Global Access Program	College of Environmental Design Global Access Program	Program Specific	6	$18,000
UC Davis	All Programs	Veteran Affairs	General	28	$124,000
	All Programs	Private Loans	General	108	$1,226,000
	All Programs	Training Funds	General	15	$58,400
UCLA		AmeriCorps Education Award	General	71	$988,440
		UCLA Extension Grants	General	74	$33,170
	Pathways	Federal Aid Grants	Program Specific	3	$8,630
		Federal Loans	Program Specific (only approved certificate programs)	206	$1,677,490
		Private Alternative Loans	General	239	$3,239,060
		VA Benefits	Program Specific	148	$23,280
		Workforce Investment Board (WIB)	Program Specific	58	$296,230
UC Riverside	Paralegal	UCR University Extension Scholarship for Student Success	General	4	$1,840
	Translation & Interpretation	UCR University Extension Scholarship for Student Success	General	1	$550
	Crime & Intelligence Analysis	UCR University Extension Scholarship for Student Success	General	3	$1,740

Figure 6b: Number of scholarship recipients, Academic Year 2018-19 (cont.)

Figure 6b: Number of scholarship recipients, Academic Year 2018-19 (cont.)					
UC Riverside	CLAD Through CTEL	The Sue Teele Education Extension Award Endowed Fund	General	1	$750
	CLAD Through CTEL	UCR University Extension Scholarship for Student Success	General	1	$750
	Educational Therapy	UCR University Extension Scholarship for Student Success	General	2	$1,000
	Interior Design	UCR University Extension Scholarship for Student Success	General	1	$590
	Project Management	UCR University Extension Scholarship for Student Success	General	1	$1,090
		VA Benefits	Program Specific	5	$10,725
		Workforce Investment Board	Program Specific	50	$94,748

Figure 6c: Number of scholarship recipients, Academic Year 2019-20					
Campus	**Program name**	**Scholarship name**	**Scholarship type**	**Number of recipients**	**Total amount awarded to recipients**
UC Berkeley	Public Programs	UC Berkeley Extension Scholarship (Spring 2020)	General	8	$8,000
	Public Programs	UC Berkeley Extension Scholarship (Summer-Fall 2020)	General	9	$13,500
	Berkeley Haas Global Access Program	Peru University Champs - BHGAP Grant Fund	Program Specific	5	$171,000
	Personal Financial Planning Program	Personal Financial Planning Program Grant Fund	Program Specific	2	$4,000
	Mediation and Conflict Resolution	FCDR Judges Mediation Scholarship Fund	Program Specific	3	$2,985
	Fall Program for Freshmen	Fall Program for Freshen	Program Specific	8	$16,800
	Fundraising and Volunteer Management	Mobilizing Resources Grant Fund	Program Specific	30	$31,650
	Berkeley Haas Global Access Program	Berkeley Haas Global Access Program	Program Specific	9	$45,000
	Legal Studies Global Access Program	Legal Studies Global Access Program	Program Specific	4	$20,000
	College of Environmental Design Global Access Program	College of Environmental Design Global Access Program	Program Specific	1	$3,000
	Global Access Programs	Study Abroad Foundation	Program Specific	9	$24,000
UC Davis	All Programs	Veteran Affairs	General	25	$161,350

Figure 6c: Number of scholarship recipients, Academic Year 2019-20					
	All Programs	Private Loans	General	156	$2,149,726
	All Programs	Training Funds	General	40	238,500
UC Irvine	Applied Accounting	Division of Continuing Education Scholarship	General	1	$1,000
	Contract Management	Division of Continuing Education Scholarship	General	2	$1,490
	Data Science	Division of Continuing Education Scholarship	General	4	$3,130
	Digital Marketing & Communications	Division of Continuing Education Scholarship	General	1	$710
	E-Learning Instructional Design	Division of Continuing Education Scholarship	General	1	$1,320
	Embedded Systems Engineering	Division of Continuing Education Scholarship	General	1	$740
	Human Resources Management	Division of Continuing Education Scholarship	General	1	$1,240
	Independent Educational Consultant	Division of Continuing Education Scholarship	General	4	$4,550
	Optical Engineering	Division of Continuing Education Scholarship	General	1	$730
	Paralegal	Division of Continuing Education Scholarship	General	3	$2,770
	Regulatory Affairs & Compliance	Division of Continuing Education Scholarship	General	1	$1,310
	Teaching English to Speakers of Other Languages	Division of Continuing Education Scholarship	General	1	$900
UCLA	Certificate	AmeriCorps Education Award	General	53	$46,810
	Certificate	UCLA Extension Grants	General	69	$27,600
	Certificate (Pathways only)	Federal Aid Grants	Program Specific	1	$4,040
	Certificate	Federal Loans	Program Specific (only approved certificate programs)	251	$175,170
	Certificate	Private Alternative Loans	General	223	$336,820
	Certificate	VA Benefits	Program Specific	153	$327,950
	Certificate	Workforce Investment Board (WIB)	Program Specific	38	$262,360

Figure 6c: Number of scholarship recipients, Academic Year 2019-20 (cont.)					
UC Riverside	Accounting	UCR University Extension Scholarship for Student Success	General	4	$2,520
	Lean Six Sigma	UCR University Extension Scholarship for Student Success	General	1	$540
	Interior Design	UCR University Extension Scholarship for Student Success	General	1	$500
	College Admissions Counseling	UCR University Extension Scholarship for Student Success	General	2	$1,000
	Legal Nurse Consulting	UCR University Extension Scholarship for Student Success	General	1	$380
	Data Science with Excel	UCR University Extension Scholarship for Student Success	General	1	$500
	Non Profit Management	UCR University Extension Scholarship for Student Success	General	1	$510
	Educational Therapy	UCR University Extension Scholarship for Student Success	General	1	$500
	Educational Therapy	Sue Teele Education Extension Award Endowed Fund	General	1	$500
	Crime & Intelligence Analysis	UCR University Extension Scholarship for Student Success	General	3	$2,300
	Human Resources	UCR University Extension Scholarship for Student Success	General	2	$1,180
	Paralegal	UCR University Extension Scholarship for Student Success	General	3	$1,690
	Purchasing	UCR University Extension Scholarship for Student Success	General	1	$510
	Data Science with R	UCR University Extension Scholarship for Student Success	General	1	$1,000
	Postgraduate Diploma in Bioengineering Management	UCR University Extension Scholarship for Student Success	General	1	$500
		VA Benefits	Program Specific	9	$34,598
		Workforce Investment Board	Program Specific	62	$114,200
UC Santa Barbara	Medical Humanities	PaCE Scholarship Fund	General	11	$4,370
	Python Programming	PaCE Scholarship Fund	General	2	$1,200
	Accounting	PaCE Scholarship Fund	General	2	$1,200
	Marketing	PaCE Scholarship Fund	General	1	$600
	Technology Management Program	PaCE Scholarship Fund	General	1	$600
	Paralegal Program	PaCE Scholarship Fund	General	1	$600
	Emergency Medical Technician Program	PaCE Scholarship Fund	General	1	$600

(9) A list of contracts with third-party entities used by University of California extension for educational programs, including but not limited to contracts for the development of course materials, administration of the programs, or the provision of instruction. For purposes of this paragraph, "third-party entities" does not include California Community Colleges, the California State University or the University of California.

Across the system, UC Extension units partner with a wide variety of third-party entities that support and strengthen their educational offerings. In most cases, these services are provided for self-supporting students either in facilities off-campus or in online modalities. Following is a list of these entities across all UC Extensions:

- 2U (online graduate programs)
- Almansor Academy (Institute for the Redesign of Learning)
- Alpha Group Center (crime and intelligence analysis training)
- Ansrsource (course design and development)
- Blockchain Academy (blockchain architecture, programming and processes training)
- Boz Institute (life science research and training)
- Center for Legal Studies (paralegal and legal assistantship programs)
- Condensed Curriculum International (education and workforce development)
- Coursera (open online course provider)
- Dalton Education (financial services education)
- Defense in Depth Cyber Security (applied cyber security training)
- e3 Civic High (charter high school)
- Educational Testing Service (test preparation courses)
- edX (open online courses)
- El Centro Regional Medical Center
- Exagen (life science training)
- Get Safe USA (peace officer standards and training)
- Global Alumni (language and translation courses)
- Global Education Elite (global cultural exposure and project-based learning programs)
- Green Flower (education provider for cannabis)
- GreenFig (sales operations and digital marketing programs)
- GVI Impact Academy (international volunteer travel and internship organization)
- IGESIA (continuing education; executive training programs)
- Institute for Career Development
- Kenzie Academy (UX and coding courses)
- Knowledge Master Institute (online courses in knowledge management)
- Labster (virtual labs)
- Launchpad Center for Accelerating Success (youth entrepreneurship education)
- Los Angeles County Department of Education
- Los Angeles Opera
- LSAT Lab (test preparation courses)
- Manufacturing Institutes (modern manufacturing courses)
- Maxman International Education
- National Institute of Technology
- Open X Education (digital training)

- Pathstream (digital skills career programs)
- Piper (STEAM learning)
- Powerschool (K-12 education technology software)
- Silicon Valley Ignite (entrepreneurship courses)
- Social Entrepreneurship, Engagement, and Development Lab
- Socratic Arts (performance improvement solutions)
- Springboard (job readiness bootcamps)
- SunSpec Alliance (training in operational aspects of solar power and energy storage)
- Trilogy (bootcamps for companies to bridge their digital skills gaps)
- Udacity (Python Programming and Data Scientist programs)
- Virtual Design & Construction Institute (architecture, engineering, and construction training)
- Whatever It Takes (college credit courses for 8th-12th grade students)
- Wiley (certified public accountant exams)
- Zschool (executive education)

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