## Overview of 2018-23 Five-Year Planning Perspectives Submissions

**Executive Summary**

Every other year, campuses submit to the Office of the President their *Five-Year Planning Perspectives* (FYPPs or *Perspectives*), which list the anticipated actions to establish, transfer, consolidate, disestablish, or discontinue undergraduate degree programs, graduate degree programs, schools, and colleges. The 2018-23 *Perspectives* cycle began with a call to all Chancellors in January 2018, asking campuses to submit their *Perspectives* to their Divisional Senate Chair for review by April 2018 and to then submit the list to the UC Office of the President (UCOP) by June 2018.

The 2018-23 *Perspectives* show:
- The total number of planning items is currently at its highest point, with 445 planning items in the 2018-23 Perspectives.

- The number of proposals to establish degree programs (217) is the highest since the 2009-14 *Perspectives* cycle, a reflection of the pipeline for program establishments approaching a return to pre-Great Recession levels.

- Health, Multi/Interdisciplinary, Engineering, and Biological Sciences accounted for nearly half of this growth of planned program establishments and half of this planned growth came from three campuses: Los Angeles, Irvine, and Merced.

- The number of proposals to establish schools/colleges continues to increase since the Great Recession. In the 2018-23 Perspectives, there were 9 proposals for schools/colleges compared to 5 school/college proposals in the 2014-19 cycle.

- As the number of proposed new undergraduate programs remains steady, the number of graduate academic proposals has dropped while the number of graduate professional proposals has risen. This trend is most strongly expressed in the continued decline in academic doctorate program proposals and the continued increase in the number of proposals for new professional masters programs.

- Since the Great Recession, the number of self-supporting graduate program proposals has increased while the number of state-supported graduate program proposals has decreased. The number of plans for new self-supporting programs is now roughly equal to the number of plans for new state-supported programs.

- For graduate professional proposals, only 4% of proposals were for state-supported programs in the last two *Perspectives* cycles. In the 2018-23 cycle, for the first time in the *Perspectives*, all UC campuses proposed at least one self-supporting program.

- Trends for (a) actions other than establishment and (b) dispensed items suggest an increase in programmatic change in the form of disestablishments and approvals, especially since the 2009-14 *Perspectives* cycle. This change has been concentrated in undergraduate programs and at the Berkeley, Irvine, San Diego, and Los Angeles campuses.

- In the 2018-23 *Perspectives*, similar programs across multiple campuses included those in Molecular and Cell Biology; Biotechnology/Biomedical/Bioinformatics/Bioengineering; Educational Leadership; Engineering and Electrical Engineering; Writing; Public Health; Genetic Counseling; Data Science; and Environment/Sustainability.

**Background and Introduction**

Every other year, campuses submit to the Office of the President their *Five-Year Planning Perspectives* (FYPPs or *Perspectives*), which list the anticipated actions to establish, transfer, consolidate, disestablish, or discontinue undergraduate degree programs, graduate degree programs, schools, and colleges. Individually, the *Perspectives* contain information that can be useful to campus long-range planning efforts; collectively, they offer an informative snapshot of UC's academic program pipeline. Snapshots taken at different times can be compared to identify and assess trends. In addition, integrating lists from all ten campuses allows for systemwide analysis of plans, creating opportunities to promote coordination, synergy, and specialization. The *Perspectives* are also useful in responding to inquiries from state policymakers and agency staff as well as, on occasion, external entities or the press.

The 2018-23 *Perspectives* cycle began with a call to all Chancellors in January 2018, asking campuses to submit their *Perspectives* to their Divisional Senate Chair for review by April 2018 and to then submit the list to the UC Office of the President (UCOP) by June 2018.[1] This overview was drafted in Summer and Fall 2018 and, along with the *Perspectives*, will be distributed for review and comment to select administrative leaders and the Academic Senate (campus divisions as well as systemwide committees— the Coordinating Committee on Graduate Affairs [CCGA], the University Committee on Educational Policy [UCEP], and the University Committee on Planning and Budget [UCPB]).[2] The Academic Planning Council (APC), a joint Academic Senate/Administration committee, will review the comments received and discuss the *Perspectives* throughout 2018-19.[3]

This report is divided into four parts:

I.   **Trends representing growth and recovery**. The total number of planning items is currently at its highest point and the number of degree program establishments is the highest since the 2009-14 *Perspectives* cycle, a reflection of the pipeline for program establishments approaching a return to pre-Great Recession levels. Health, Multi/Interdisciplinary, Engineering, and Biological Sciences programs have played important roles, as have the Los Angeles, Irvine, and Merced campuses, in this growth of establishments that is a recovery from the Great Recession.

II.  **Trends by degree type**. As the number of proposed undergraduate programs remains steady, the number of graduate academic proposals has dropped while the number of graduate professional proposals has risen. This trend is most strongly expressed in the continued decline in academic doctorate programs and the continued increase in proposals for new professional masters programs.

III. **Trends by graduate program funding strategies**. The number of plans for new self-supporting programs is now roughly equal to the number of plans for new state-supported programs. For graduate professional proposals, only 4% of proposals were for state-supported programs in the last two *Perspectives* cycles. In the 2018-23 cycle, for the first time in the *Perspectives*, all UC campuses proposed at least one self-supporting program.

IV. **Trends in actions other than establishment and among dispensed items**. Discontinuances accounted for the majority of actions other than establishment and the majority of items "dispensed" from the *Perspectives* were dispensed as a result of being approved. Taken together, these trends suggest an increase in programmatic change since the 2009-14 *Perspectives* cycle, in

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[1] Individual campus 2018-23 *Perspectives* can be found at:
https://www.ucop.edu/institutional-research-academic-planning/content-analysis/academic-planning/all_campuses_2018-23_five-year_planning_perspectives.pdf

[2] Unless otherwise noted, the source for all data presented in this report is Institutional Research and Academic Planning's *Five-Year Planning Perspectives* database.

[3] For reference, the final report on the previous *Perspectives* cycle, the 2016-21 cycle, can be found at:
https://www.ucop.edu/institutional-research-academic-planning/_files/2016-21%20FYPP%20overview%20report%20012317.pdf

particular at the undergraduate level and at the Berkeley, Irvine, San Diego, and Los Angeles campuses.

## I.  Trends representing growth and recovery

The total number of planning items in the *Perspectives* has steadily risen, from 293 in the 2004-09 cycle to 358 in the 2011-16 cycle to 445 in the 2018-23 cycle. The total number of planning items is now at its highest point.

Chart 1. Total number of planning items
         Universitywide, 2004-09 to 2018-23 *Perspectives*
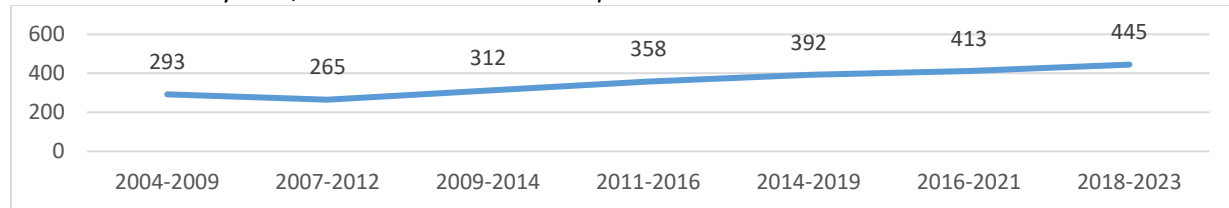


In contrast to the steady increase in total planning items, the number of planning items for program establishments has fluctuated. After similar numbers of proposals for establishing degree programs in the 2004-09 (254), 2007-12 (243), and 2009-14 (246) *Perspectives*, there was a sharp decline in the 2011-16 (164) cycle, corresponding to dramatic cuts in state funding for the University. The number of proposals for degree program establishments rebounded in 2014-19 (194) and modestly increased in 2016-21 (206). In the 2018-23 cycle, a total of 217 proposals for program establishment were listed, the highest number since the 2009-14 cycle and a mark that reflects the pipeline for program establishment approaching a return to pre-Great Recession levels. Of the 217 new degree program proposals in the 2018-22 cycle, three-quarters are at the graduate level or include a graduate component—168 are graduate academic, graduate professional, or hybrid undergraduate-graduate degree programs— whereas 49 are undergraduate programs.

Chart 2. Number of proposals for degree program establishments, by broad program type
         Universitywide, 2004-09 to 2018-23 *Perspectives*
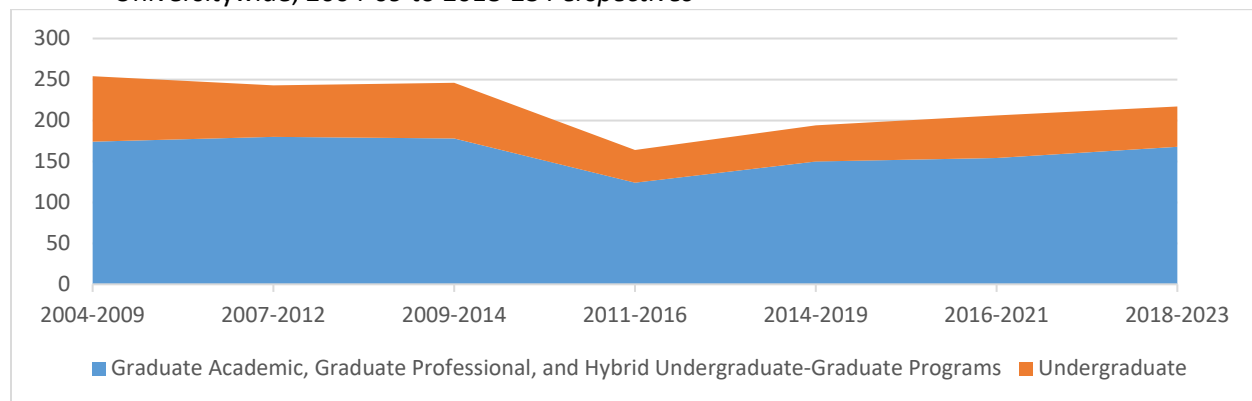


During the period of growing establishments since the Great Recession, four academic program disciplinary categories have played an important role: Health Professions and Related Programs (15% of the total), Multi/Interdisciplinary (14%), Engineering (12%), and Biological and Biomedical Sciences (8%).[4] Nearly half of degree program proposals fell into one of these four categories when the last four *Perspectives* cycles are combined. For the 2018-23 cycle specifically, these four categories continued to play important roles with Multi/Interdisciplinary Studies as 14% of the total, Health Professions and

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[4] This report used the U.S. Department of Education's Classification of Instructional Programs for its disciplinary categories: https://nces.ed.gov/ipeds/cipcode.

Related Programs and Engineering each accounting for 12% of the total, and Biological and Biomedical Sciences as 10% of the total.

Examples of programs categorized as Multi/Interdisciplinary Studies include Cognitive Sciences, Computational Social Sciences, Data Science, Law and Medicine, and Medical Humanities. In the 2018-23 *Perspectives* cycle, most of these Multi/Interdisciplinary Studies programs were programs that combined two disciplines (12 out of 30), such as a 4+1 Physics & M.B.A. program, or fell into the Classification of Instructional Programs' Multi/Interdisciplinary Studies subfield of Computational Science (11 out of 30). Three fell into the Multi/Interdisciplinary Studies subfield of Cognitive Science, two into Science, Technology, and Society, one into Marine Sciences, and one into International/Global Studies.

Table 1: Proposals for degree program establishments, by disciplinary category
Universitywide, 2011-16 to 2018-23 *Perspectives*

| Disciplinary Category | 2011-2016 | | 2014-2019 | | 2016-2021 | | 2018-2023 | |
|---|---|---|---|---|---|---|---|---|
| Health Professions and Related Programs | 23 | 14% | 40 | 21% | 26 | 13% | 25 | 12% |
| Multi/Interdisciplinary Studies | 15 | 9% | 31 | 16% | 34 | 17% | 30 | 14% |
| Engineering | 20 | 12% | 16 | 8% | 30 | 15% | 25 | 12% |
| Biological and Biomedical Sciences | 14 | 8% | 13 | 7% | 14 | 7% | 21 | 10% |
| Visual and Performing Arts | 10 | 6% | 11 | 6% | 12 | 6% | 13 | 6% |
| Area, Ethnic, Cultural, Gender, and Group Studies | 12 | 7% | 15 | 8% | 11 | 5% | 7 | 3% |
| Business, Management, Marketing, and Related Support Services | 8 | 5% | 6 | 3% | 12 | 6% | 10 | 5% |
| Physical Sciences | 14 | 8% | 6 | 3% | 7 | 3% | 9 | 4% |
| Social Sciences | 7 | 4% | 7 | 4% | 4 | 2% | 14 | 6% |
| Natural Resources and Conservation | 3 | 2% | 8 | 4% | 11 | 5% | 7 | 3% |
| Education | 3 | 2% | 6 | 3% | 5 | 2% | 11 | 5% |
| Foreign Languages, Literatures, and Linguistics | 5 | 3% | 5 | 3% | 7 | 3% | 3 | 1% |
| Computer and Information Sciences and Support Services | 8 | 5% | 3 | 2% | 4 | 2% | 4 | 2% |
| Public Administration and Social Service Professions | 2 | 1% | 5 | 3% | 4 | 2% | 7 | 3% |
| English Language and Literature/Letters | 2 | 1% | 3 | 2% | 6 | 3% | 6 | 3% |
| Philosophy and Religious Studies | 3 | 2% | 4 | 2% | 5 | 2% | 3 | 1% |
| Mathematics and Statistics | 4 | 2% | 2 | 1% | 1 | 0% | 4 | 2% |
| Engineering Technologies and Engineering-Related Fields | 4 | 2% | 3 | 2% | 2 | 1% | 2 | 1% |
| Communication, Journalism, and Related Programs | 1 | 1% | 2 | 1% | 3 | 1% | 4 | 2% |
| Liberal Arts and Sciences, General Studies and Humanities | 1 | 1% | 2 | 1% | 2 | 1% | 3 | 1% |
| Psychology | 1 | 1% | 2 | 1% | 2 | 1% | 3 | 1% |
| Family and Consumer Sciences/Human Sciences | 2 | 1% | 1 | 1% | 2 | 1% | 1 | 0% |
| Legal Professions and Studies | 0 | 0% | 1 | 1% | 0 | 0% | 3 | 1% |
| Architecture and Related Services | 1 | 1% | 0 | 0% | 1 | 0% | 2 | 1% |
| History | 1 | 1% | 1 | 1% | 0 | 0% | 0 | 0% |
| Library Science | 0 | 0% | 0 | 0% | 1 | 0% | 0 | 0% |
| Agriculture, Agriculture Operations, and Related Sciences | 0 | 0% | 1 | 1% | 0 | 0% | 0 | 0% |
| Health-Related Knowledge and Skills | 1 | 1% | 0 | 0% | 0 | 0% | 0 | 0% |

Chart 3: Proposals for degree program establishments, by disciplinary category
Universitywide, 2018-23 *Perspectives*
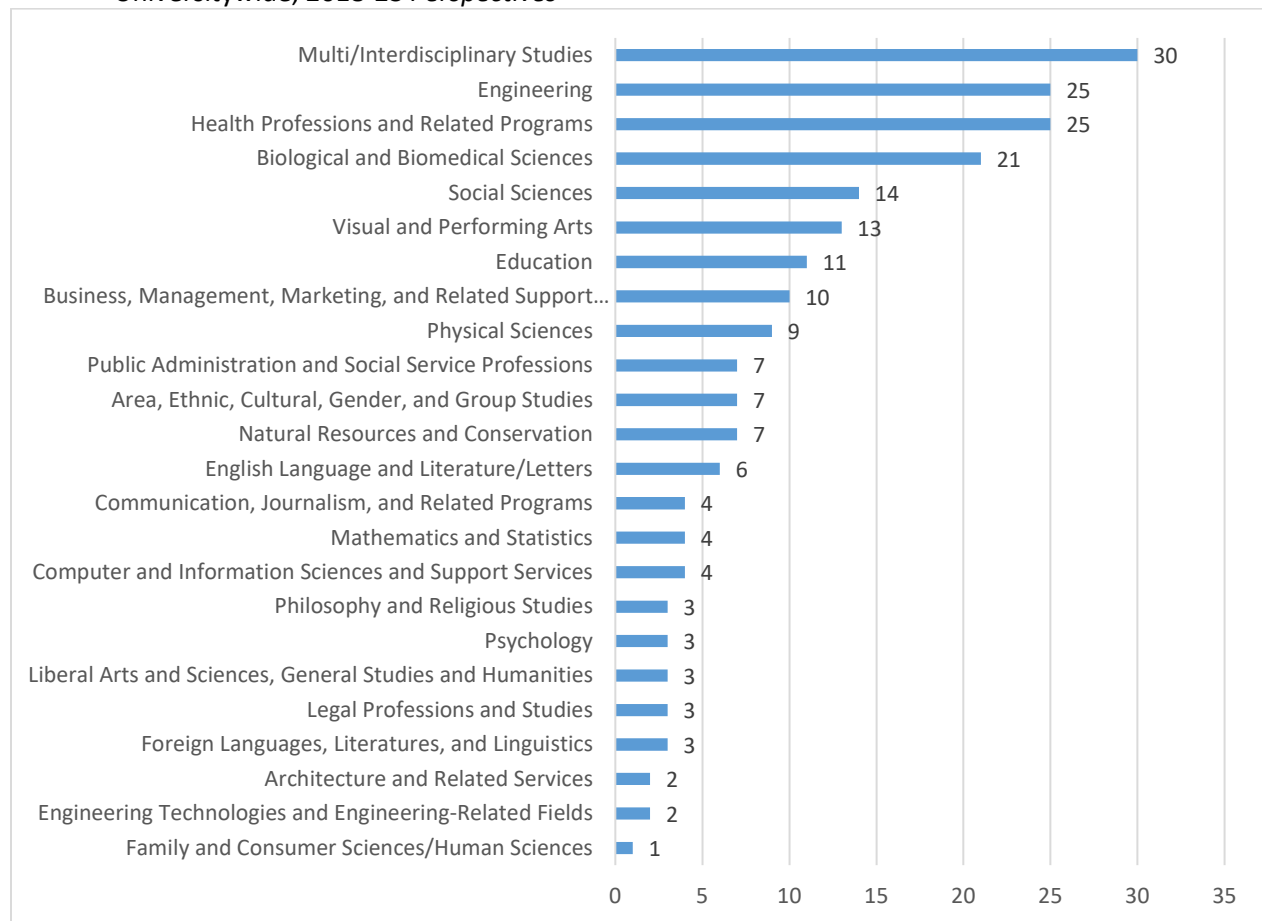


During this growth period, three campuses played prominent roles: Los Angeles, Irvine, and Merced. Los Angeles accounted for 21% of the total, Irvine 17%, and Merced 13%; together these campuses accounted for half of degree program establishment plans when the last four *Perspectives* cycles are combined. For the most recent cycle, Los Angeles accounting for a quarter of the total proposals. Los Angeles was followed by Berkeley (17%) then Irvine, San Diego, and Merced, each of which had 11% of the total proposals, in the 2018-23 *Perspectives*.

Table 2: Proposals for degree program establishments, by campus
2011-16 to 2018-23 *Perspectives*

| Campus | 2011-2016 | | 2014-2019 | | 2016-2021 | | 2018-2023 | |
|---|---|---|---|---|---|---|---|---|
| Berkeley | 8 | 5% | 7 | 4% | 24 | 12% | 36 | 17% |
| Davis | 11 | 7% | 15 | 8% | 15 | 7% | 14 | 6% |
| Irvine | 36 | 22% | 36 | 19% | 37 | 18% | 24 | 11% |
| Los Angeles | 20 | 12% | 42 | 22% | 45 | 22% | 54 | 25% |
| Merced | 23 | 14% | 28 | 14% | 28 | 14% | 23 | 11% |
| Riverside | 13 | 8% | 10 | 5% | 12 | 6% | 13 | 6% |
| San Diego | 21 | 13% | 28 | 14% | 15 | 7% | 23 | 11% |
| San Francisco | 5 | 3% | 9 | 5% | 2 | 1% | 1 | 0% |
| Santa Barbara | 18 | 11% | 11 | 6% | 14 | 7% | 13 | 6% |
| Santa Cruz | 10 | 6% | 8 | 4% | 14 | 7% | 16 | 7% |

Chart 4: Proposals for degree program establishments, by campus
2018-23 *Perspectives*
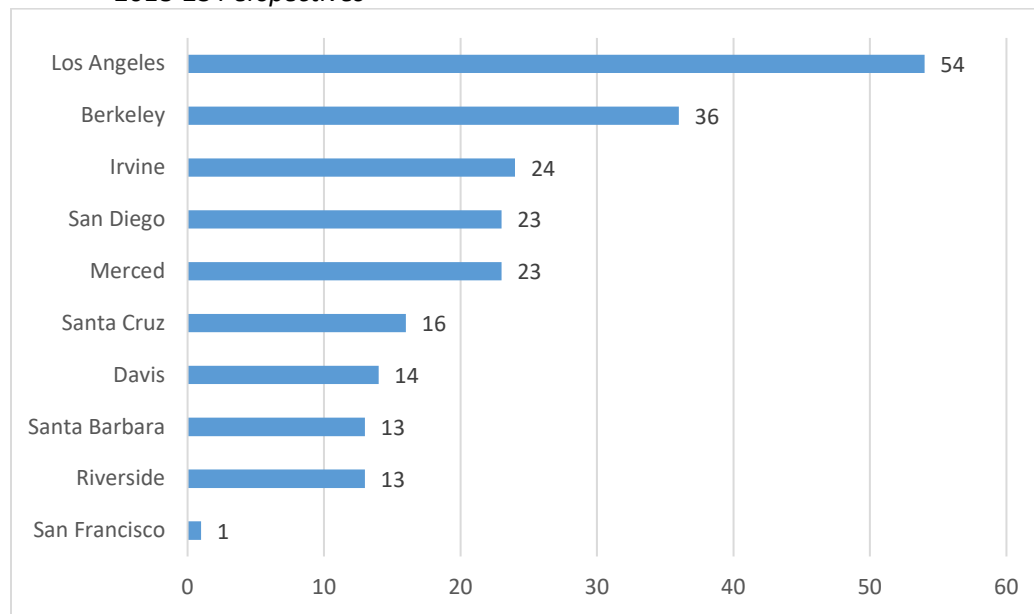


The number of proposals to establish schools/colleges continues to increase since the Great Recession. The number of proposal for schools/colleges peaked at 13 in the 2007-12 *Perspectives* cycle and dropped to 5 in the 2014-19 cycle. It then jumped to 11 in the 2016-21 cycle and was at 9 in the most recent cycle:

Chart 5: Number of proposals to establish schools/colleges
Universitywide, 2004-09 to 2018-23 *Perspectives*
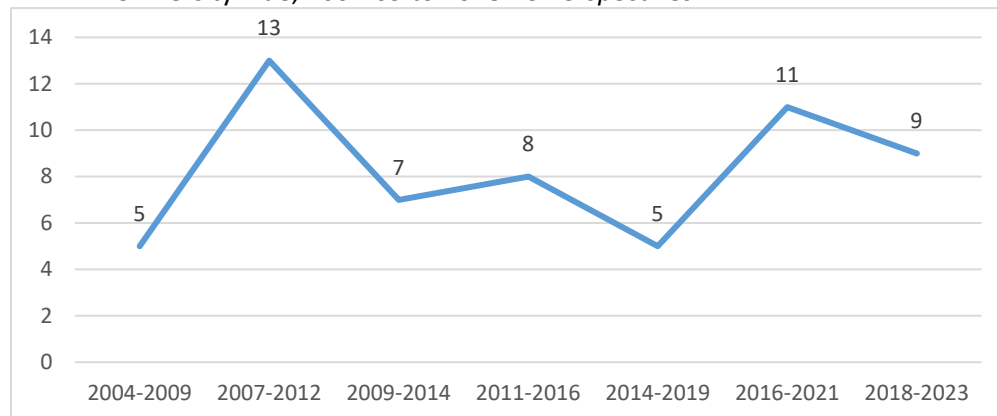


In the 2018-23 *Perspectives*, three of these nine school/college proposals were from San Diego, two from Irvine, two from Merced, one from Berkeley, and one from Davis.

Table 3: Proposals for school/college establishments, by campus
2018-23 *Perspectives*

| Campus | School/College |
|--------|----------------|
| Berkeley | Data Sciences |
| Davis | School of Public Policy |
| Irvine | School of Pharmacy and Pharmaceutical Sciences; School of Population and Public Health |
| Merced | School of Management; School of Public Health/Medicine |
| San Diego | Seventh College; Eighth College; School of Public Health |

Given the resource demands involved in staring a new school or college, there is not the expectation that every school or college proposed will materialize, at least not in the near future. Moreover, new schools or colleges could be listed as part of a formal growth strategy—with the school or college listed as a placeholder for future action—or may be aspirational only, and the *Perspectives* do not distinguish between the two. Nonetheless, Chart 4 reflects strategic directions worthy of discussion. In particular, campuses might consider whether there is capacity for similar schools at multiple campuses, especially geographically-adjacent ones.

It is noteworthy that when the last four *Perspectives* cycles are combined, about half (17 of 33) of school/college proposals fall into the Health Professions and Related Programs disciplinary category. This includes 8 schools centered on public health, 3 schools centered on global health, 3 Schools of Pharmacy, 2 Schools of Nursing, and 1 School of Medicine. Over the course of these four cycles, 12 school/college proposals were listed as "dispensed" on the *Perspectives*, indicating resolution of the proposal through approval, withdraw, or postponement. These dispensed items from the 2011-16 to the most recent cycle included 3 schools/colleges listed as approved (Riverside's School of Public Policy and School of Medicine and Irvine's School of Nursing), 4 listed as withdrawn, and 5 listed as postponed.

Finally, an examination of the 2018-23 *Perspectives* list of proposed degree program establishments shows that some campuses are proposing to establish similar programs. Appendix A provides a list of similar degree programs proposed by multiple campuses. This list includes programs in the fields of Molecular and Cell Biology; Biotechnology/Biomedical/Bioinformatics/Bioengineering; Educational Leadership; Engineering and Electrical Engineering; Writing; Public Health; Genetic Counseling; Data Science; and Environment/Sustainability. This information is offered for campus consideration of possible opportunities for collaboration or cooperation, such as combining two programs into a single cross-campus program, or allowing students to enroll for credit in another campus's program.

## II. Trends by degree type

In the 2018-23 *Perspectives*, there were 217 program proposals, 98 for graduate professional programs, 70 for graduate academic programs, and 49 for undergraduate programs. Having surpassed for the first time the number of graduate academic proposals in the 2016-21 *Perspectives* cycle, the number of graduate professional proposals continues to rise. In the 2007-12 cycle, the number of graduate academic proposals peaked at 157, 87 more proposals than in the most recent cycle. In the 2007-12 cycle, there were 23 graduate professional proposals; graduate professional proposals have increased roughly five fold since the 2007-12 cycle. While not as dramatic as the decline for graduate academic proposals, proposal for undergraduate programs have dropped, from a high of 80 in the 2004-09 cycle to 49 in the 2018-23 cycle.

Chart 6: Number of proposals for degree program establishments, by broad degree type
Universitywide, 2004-09 to 2018-23 *Perspectives*
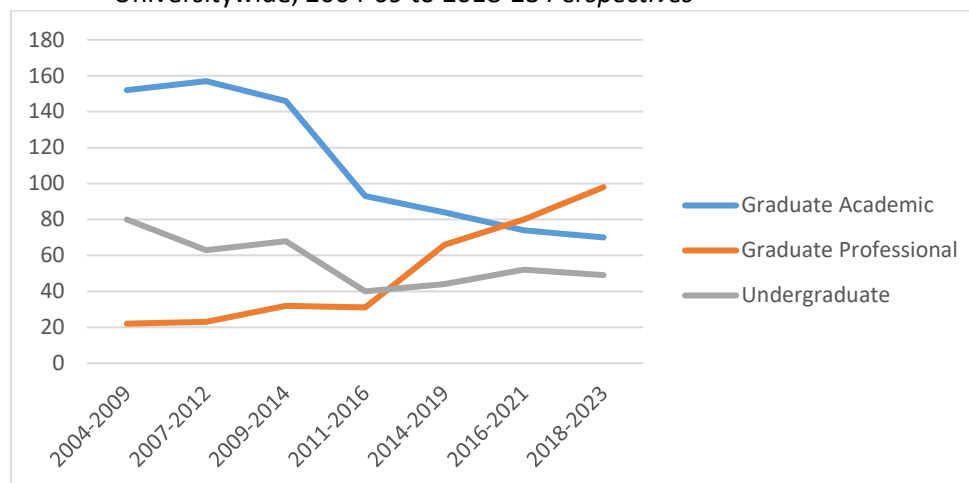
In the charts below, the broad categories of graduate academic and graduate professional are disaggregated using the following framework:

Graduate Academic
- Academic Doctorate includes Ph.D. programs, as well as academic and professional master's programs leading to a Ph.D. (e.g., M.S./Ph.D. and M.P.P./Ph.D. programs).

- Academic Master's includes M.A. and M.S. programs, as well as the M.F.A., a small number of hybrid undergraduate/graduate degree programs where an academic master's is the highest degree awarded (e.g., B.A./M.A. and B.S./M.S. programs), and teaching credential programs.

Graduate Professional
- Professional Doctorate/Practice includes professional doctoral programs in business (D.B.A.), education (Ed.D), and health sciences (Au.D. and Pharm.D.); M.S./Professional Doctorate programs; professional practice degrees, such as J.D., M.D., and related combined degree programs (e.g., M.S./J.D., J.D./M.D, and M.P.P./M.D.).

- Professional Master's includes programs such as M.B.A., M.A.S., M.P.A., and M.P.H., as well as a small number of hybrid undergraduate/graduate degree programs where a professional master's is the highest degree awarded (e.g., B.S./M.B.A.) and post-baccalaureate certificate programs (e.g., Global Health Sciences Executive Certificate). Self-Supporting Graduate Professional Degree Programs and programs charging Professional Degree Supplemental Tuition are considered professional master's programs, even if the program has a M.S. or M.A. title.

Undergraduate includes all programs where the baccalaureate is the highest degree earned (e.g., B.A., B.S., and B.Eng.) as well as undergraduate certificate programs.

Chart 7: Number of proposals for degree program establishments, by degree type
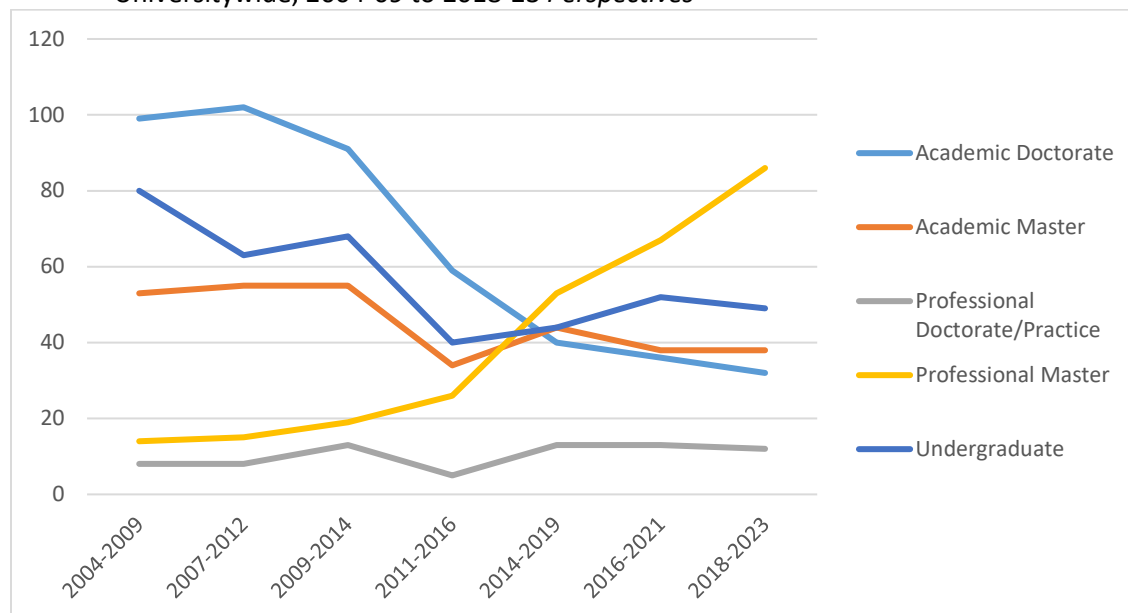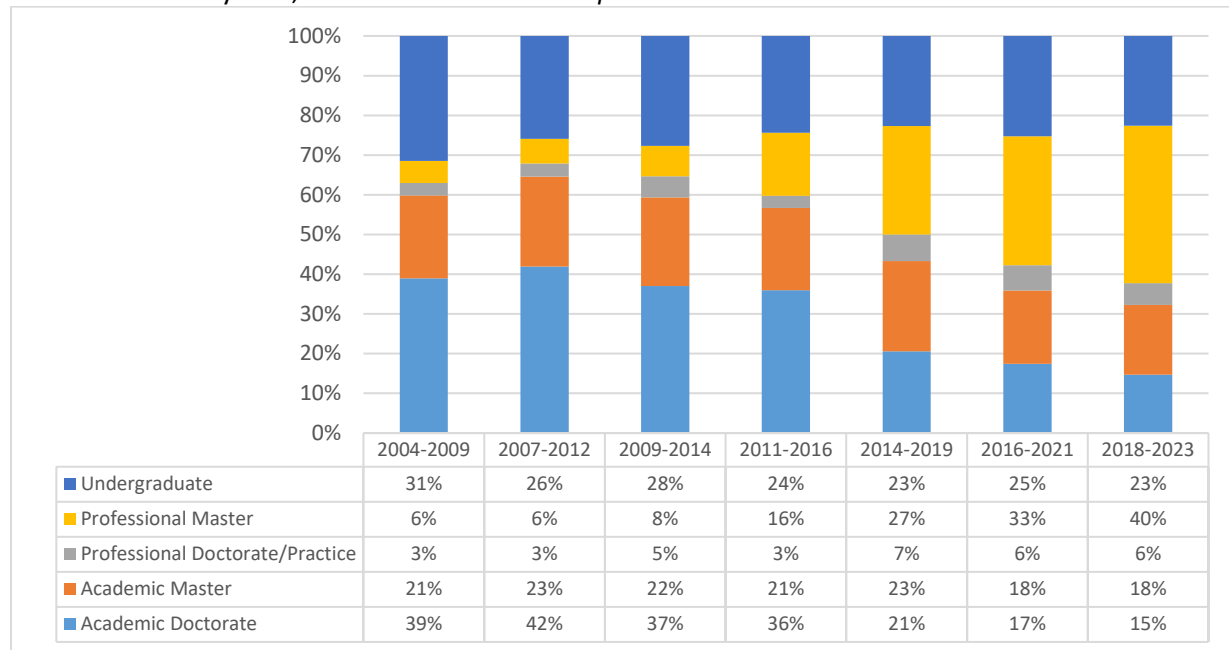            Universitywide, 2004-09 to 2018-23 *Perspectives*

Chart 8: Distribution of proposals for degree program establishments, by degree type
        Universitywide, 2004-09 to 2018-23 *Perspectives*

| | 2004-2009 | 2007-2012 | 2009-2014 | 2011-2016 | 2014-2019 | 2016-2021 | 2018-2023 |
|---|---|---|---|---|---|---|---|
| ■ Undergraduate | 31% | 26% | 28% | 24% | 23% | 25% | 23% |
| ■ Professional Master | 6% | 6% | 8% | 16% | 27% | 33% | 40% |
| ■ Professional Doctorate/Practice | 3% | 3% | 5% | 3% | 7% | 6% | 6% |
| ■ Academic Master | 21% | 23% | 22% | 21% | 23% | 18% | 18% |
| ■ Academic Doctorate | 39% | 42% | 37% | 36% | 21% | 17% | 15% |

The rise of professional master proposals is made clear in Charts 6 and 7. In the 2007-12 cycle there were 15 professional master programs (6% of the total) and in the most recent cycle there were 86 professional master proposals, or 40% of the total. In contrast, there were 102 academic doctorate proposals in the 2007-12 cycle—42% of the total—and 32 in the most recent cycle, 15% of the total. While academic master proposals have declined, their percent of the total has remained consistent at about a fifth of the total across all cycles.

In the 2018-23 cycle, when broken down by disciplinary category, graduate academic proposals were led by Multi/Interdisciplinary Studies and Engineering, each at 16% of the total, and by Biological and Biomedical Sciences (13%). Graduate professional proposals were led by Health Professions and Related Programs (17%), Multi/Interdisciplinary Studies (14%), and Engineering (10%). Undergraduate programs were led by Biological and Biomedical Sciences (12%), followed by Multi/Interdisciplinary Studies, Visual and Performing Arts, and Physical Sciences, each 10% of the total.

In the 2018-23 cycle, San Diego proposed 16 graduate academic programs (23% of the total), the most among the campuses. San Diego was followed by Los Angeles (17%) and Santa Cruz (14%) in graduate academic proposals. Los Angeles proposed 28 graduate professional programs, about 30% of the total. Los Angeles was followed by Berkeley (20%) and Irvine (17%) in graduate professional proposals. Los Angeles, Berkeley, and Irvine, then, accounted for two-thirds of graduate professional program proposals. Los Angeles also proposed the most undergraduate programs (again, about 30% of the total), followed by Berkley (24%) and Merced (16%). Los Angeles, not surprisingly, proposed the most programs overall, 54 or a quarter of the total, Santa Cruz sat roughly in the middle with 16 proposals, and San Francisco proposed the least—one proposal.

Table 4: Proposals for degree program establishments, by disciplinary category and program type
Universitywide, 2018-23 *Perspectives*

| Disciplinary Category | Graduate Academic | | Graduate Professional | | Undergraduate | |
|---|---|---|---|---|---|---|
| Multi/Interdisciplinary Studies | 11 | 16% | 14 | 14% | 5 | 10% |
| Engineering | 11 | 16% | 10 | 10% | 4 | 8% |
| Health Professions and Related Programs | 6 | 9% | 17 | 17% | 2 | 4% |
| Biological and Biomedical Sciences | 9 | 13% | 6 | 6% | 6 | 12% |
| Social Sciences | 6 | 9% | 5 | 5% | 3 | 6% |
| Visual and Performing Arts | 5 | 7% | 3 | 3% | 5 | 10% |
| Education | 1 | 1% | 6 | 6% | 4 | 8% |
| Business, Management, Marketing, and Related Support Services | 0 | 0% | 8 | 8% | 2 | 4% |
| Physical Sciences | 2 | 3% | 2 | 2% | 5 | 10% |
| Natural Resources and Conservation | 1 | 1% | 5 | 5% | 1 | 2% |
| Area, Ethnic, Cultural, Gender, and Group Studies | 4 | 6% | 0 | 0% | 3 | 6% |
| Public Administration and Social Service Professions | 1 | 1% | 6 | 6% | 0 | 0% |
| English Language and Literature/Letters | 0 | 0% | 4 | 4% | 2 | 4% |
| Communication, Journalism, and Related Programs | 2 | 3% | 1 | 1% | 1 | 2% |
| Computer and Information Sciences and Support Services | 1 | 1% | 2 | 2% | 1 | 2% |
| Mathematics and Statistics | 4 | 6% | 0 | 0% | 0 | 0% |
| Psychology | 2 | 3% | 1 | 1% | 0 | 0% |
| Philosophy and Religious Studies | 1 | 1% | 1 | 1% | 1 | 2% |
| Legal Professions and Studies | 0 | 0% | 3 | 3% | 0 | 0% |
| Liberal Arts and Sciences, General Studies and Humanities | 1 | 1% | 0 | 0% | 2 | 4% |
| Foreign Languages, Literatures, and Linguistics | 2 | 3% | 1 | 1% | 0 | 0% |
| Engineering Technologies and Engineering-Related Fields | 0 | 0% | 2 | 2% | 0 | 0% |
| Architecture and Related Services | 0 | 0% | 1 | 1% | 1 | 2% |
| Family and Consumer Sciences/Human Sciences | 0 | 0% | 0 | 0% | 1 | 2% |

Table 5: Proposals for degree program establishments, by disciplinary category and campus
2018-23 *Perspectives*

| Campus | Graduate Academic | | Graduate Professional | | Undergraduate | |
|---|---|---|---|---|---|---|
| Berkeley | 4 | 6% | 20 | 20% | 12 | 24% |
| Davis | 4 | 6% | 6 | 6% | 4 | 8% |
| Irvine | 6 | 9% | 17 | 17% | 1 | 2% |
| Los Angeles | 12 | 17% | 28 | 29% | 14 | 29% |
| Merced | 9 | 13% | 6 | 6% | 8 | 16% |
| Riverside | 4 | 6% | 8 | 8% | 1 | 2% |
| San Diego | 16 | 23% | 4 | 4% | 3 | 6% |
| San Francisco | 0 | 0% | 1 | 1% | 0 | 0% |
| Santa Barbara | 5 | 7% | 3 | 3% | 5 | 10% |
| Santa Cruz | 10 | 14% | 5 | 5% | 1 | 2% |

## III. Trends by graduate program funding strategies

During the growth period since the Great Recession, the number of self-supporting graduate programs has increased while the number of state-supported graduate programs has decreased. The number of self-supporting program proposals increased from a low of 18 in the 2011-16 cycle to 62 in the most recent cycle while the number of state-supported program proposals dropped from a high of 105 in the 2011-16 cycle to 69 in the most recent cycle. The number of self-supporting and state-supported graduate program proposals is approaching parity.

Chart 9: Number of proposals to establish graduate degree programs, by fee type (not including hybrid undergraduate-graduate programs)
Universitywide, 2011-16 to 2018-23 *Perspectives*
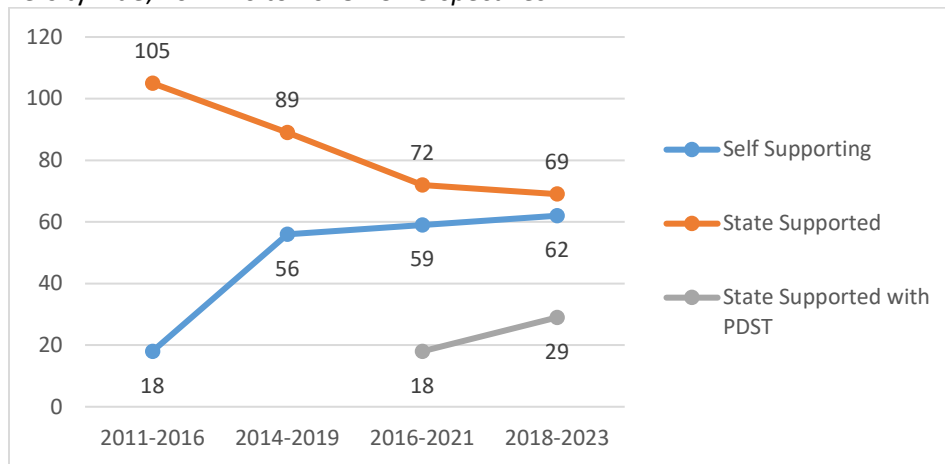


The growth of self-supporting programs is made clear when graduate professional programs are examined separately. In the 2011-16 cycle, 58% of graduate professional programs were Self-Supporting Graduate Professional Degree Programs (SSGPDPs) and in the following cycle, that percent jumped to 85% of the total. In the 2018-23 cycle, 63% of graduate professional proposals are SSGPDPs, reflecting a slight downward trend since the 2014-19 cycle. In the last two cycles, the percent of state-supported programs with Professional Degree Supplemental Tuition (PDST) has also expanded, from 23% of the total in the 2016-21 cycle to 33% in the 2018-23 cycle.[5] In the last two cycles, only 4% of graduate professional proposals were for state-supported programs.

Chart 10: Number of proposals to establish graduate professional degree programs, by fee type
Universitywide, 2011-16 to 2018-23 *Perspectives*



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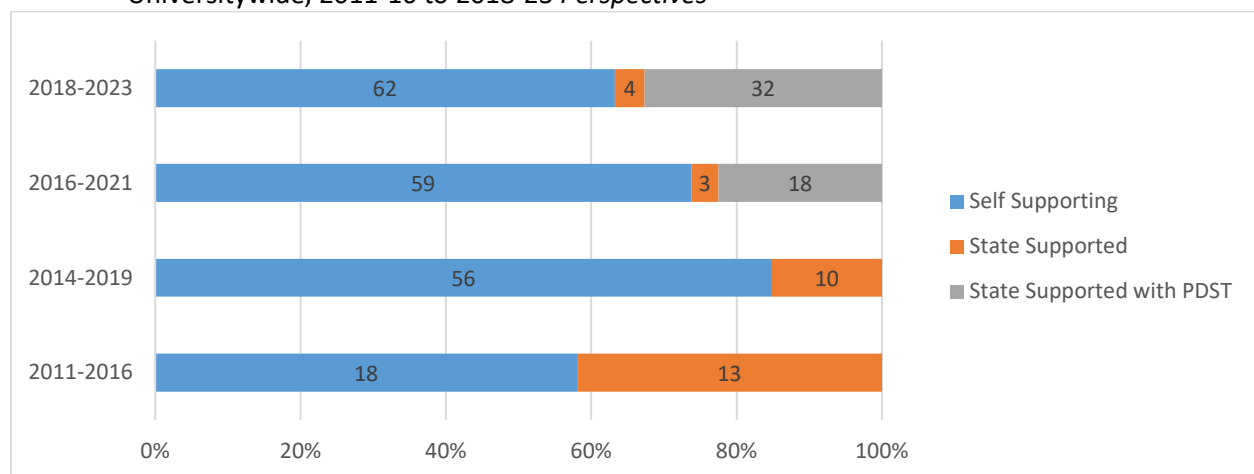
[5] The 2016-21 cycle was the first *Perspectives* cycle to collect information about plans to charge PDST.

Across the 2011-16 to 2018-23 *Perspectives* cycles, Los Angeles has proposed about a third of SSGPDPs, the most among the campuses. Irvine proposed the second most (18%), followed by Berkeley (16%).

Chart 11: Number of proposals for establishing SSGPDPs, by campus
           2011-16 to 2018-23 *Perspectives*
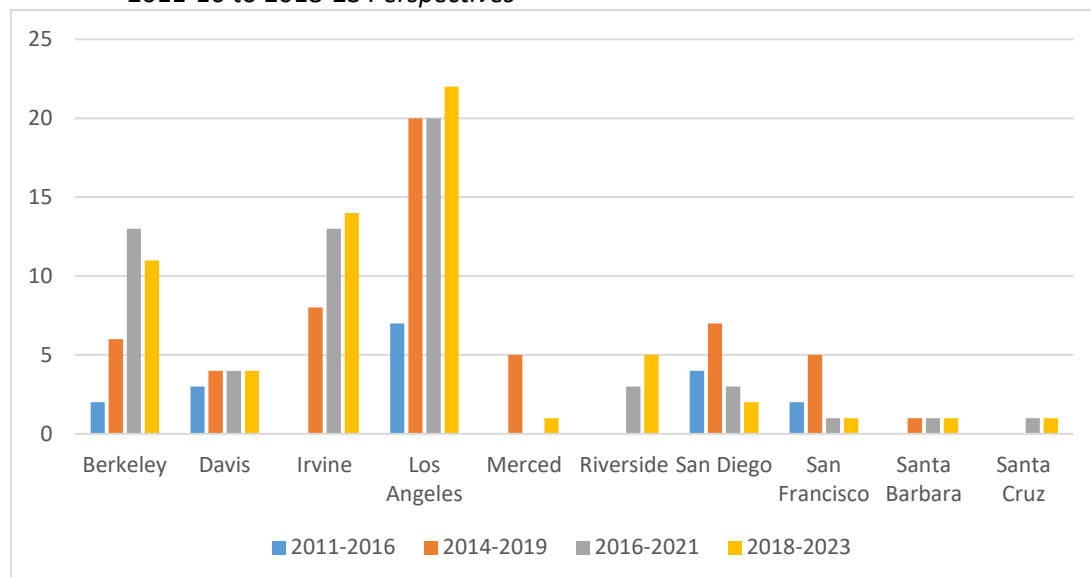


This pattern held for the most recent cycle: in the 2018-23 cycle, Los Angeles proposed 22 SSGPDPs or 35% of the total, followed by Irvine (14 SSGPDPs, 23% of the total) and Berkeley (11 SSGPDPs, 18% of the total). What separates the 2018-23 cycle from previous cycles, however, is that each campus proposed a least one SSGPDP. Merced, San Francisco, Santa Barbara, and Santa Cruz, all either completely without or without a strong history of SSGPDP proposals, each proposed one in the 2018-23 cycle, leading to all UC campuses having proposed a SSGPDP for the first time in the *Perspectives*.

## IV. Trends in actions other than establishment and among dispensed items

Included in the *Perspectives* are plans to reconstitute academic programs or units through one of the following actions, as defined in the *Compendium: Universitywide Review Processes for Academic Programs, Academic Units, and Research Units*[6]:

- Transfer: Moving a program or unit into another one that subsumes it;
- Consolidation: Combining two or more programs or units to form a new unified program or unit;
- Disestablishment: Eliminating an academic unit or research unit; and
- Discontinuance: Eliminating an academic program.

Also included are actions categorized as "other," which includes program conversions, renaming, reorganization, evaluation, suspension, and similar program actions, and as "reconstitution," which is used as a catch-all category by campuses when the action does not align with a given category.

During the 2004-09 to 2018-23 period, 153 out of 275, 56% of the total, were discontinuances. And the number of these discontinuances has dramatically increased, from a low of 2 in the 2007-23 cycle to a high of 45 in the 2016-21 cycle. During this period, about a third of discontinuances were for undergraduate programs, 18% were for academic masters programs, 15% were for professional doctorate/practice programs, 12% were for academic doctorate programs, and 6% were for professional masters programs. Campuses did not discontinued programs at the same level. About a quarter of

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[6] The *Compendium* can be found at: https://www.ucop.edu/institutional-research-academic-planning/_files/compendium_sept2014.pdf

discontinuances were made by Los Angeles, followed by Berkeley (20%), San Diego (18%), Davis (16%), Irvine (11%), Santa Barbara (9%), and San Francisco and Merced, both with 1% of the total.

Chart 12: Number of *Compendium* program actions other than program establishment
        Universitywide, 2004-09 to 2018-23 *Perspectives*
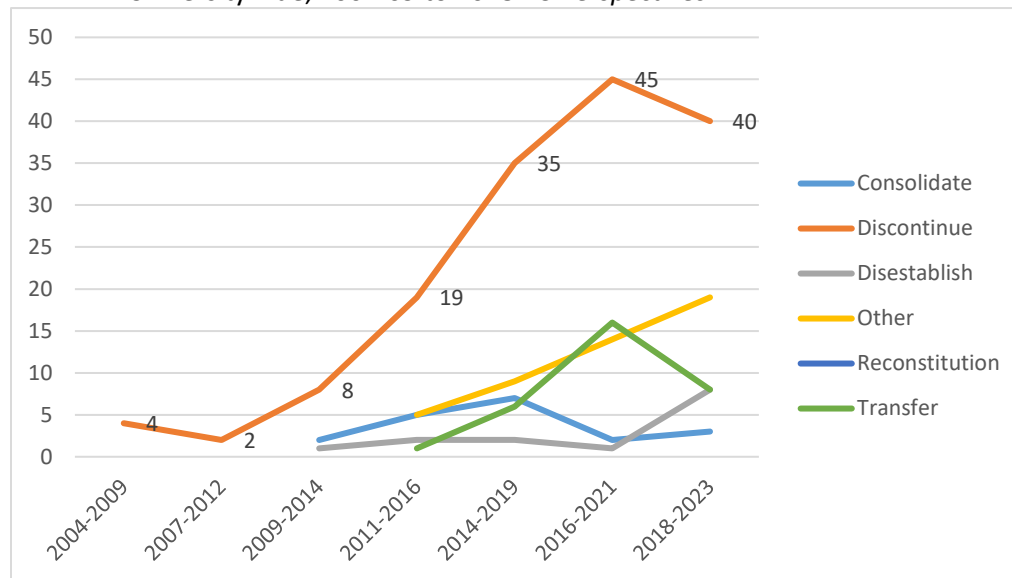


Chart 13. Number of program discontinuances, by campus
        2004-09 to 2018-23 *Perspectives*
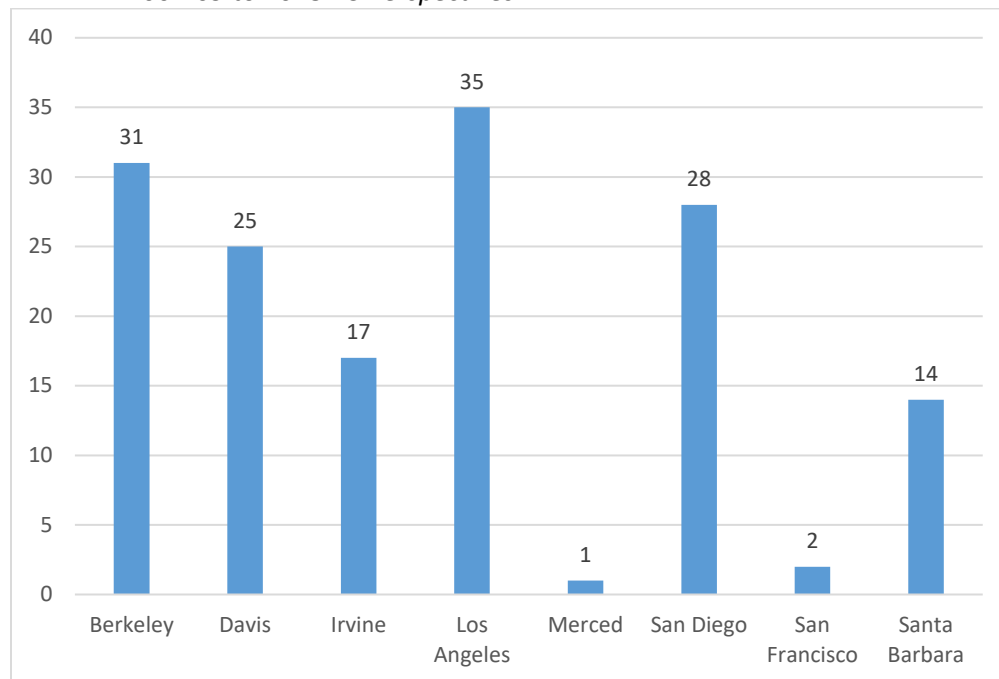


In the 2018-23 cycle, 47% (40 proposals) of actions other than establishment were discontinuances, 22% (19 proposals) fell into the "Other" category, the Reconstitution, Transfer, and Disestablishment categories were each 9% (8 proposals each), and 3% (3 proposals) fell into the Consolidate category. 35% of discontinuances were for undergraduate programs, 22% for academic doctoral programs, 16% for professional master, 14% for academic master, and 14% for professional doctorate. Berkeley had 13 discontinuances, a third of the total, in the 2018-23 cycle, followed by San Diego and Los Angeles, both with a quarter of the total (10 discontinuances), and Davis, which had 4 discontinuances, 10% of the total. See Appendix B for the complete list of 2018-23 *Perspectives*' discontinuances.

Chart 14: Number of proposed program discontinuances by degree type
Universitywide, 2018-23 *Perspectives*
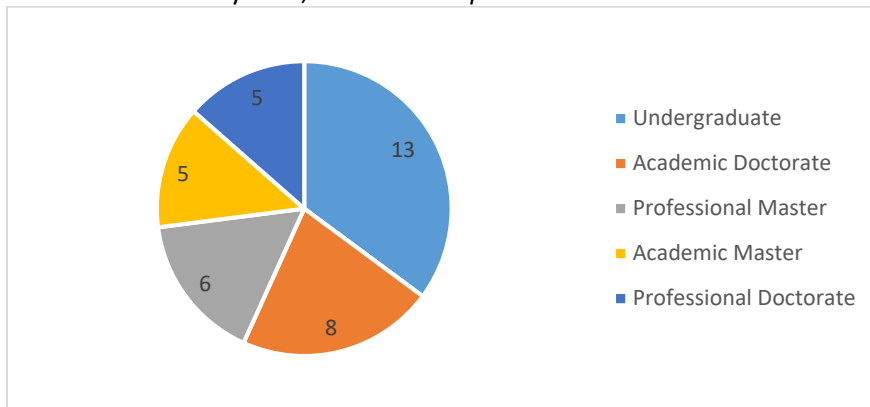


Among the actions other than establishment, then, discontinuances are the most prevalent, and these discontinuances have historically clustered around undergraduate programs and, to a lesser extent, graduate academic and professional doctorate/practice programs, and around three campuses—Los Angeles, Berkeley, and San Diego.

Finally, also included in the *Perspectives* is the disposition of proposals from previous lists that are no longer pending because they have been approved, withdrawn, or postponed. Since the 2004-09 cycle, 344 or 60% of these dispensed items for degree program proposals, including undergraduate programs, have fallen into the approved category. 31% (177 items) have fallen into withdrawn category and 10% (57) have fallen into the postponed category. These number of disposed items through approval has increased dramatically, from 2 in the 2007-12 cycle to 91 in the 2018-23 cycle. When the scope of these dispensed items is limited to only approved degree program establishments, over a third (38%) of approvals were for undergraduate programs, 22% were for academic doctoral programs, 17% were for academic master and 17% were for professional master programs, and 4% were for professional doctorate/practice programs. As was the case with discontinuances, campuses did not approve programs at the same level. Berkeley and Irvine each had 18% of these approvals, followed by San Diego (16%), Los Angeles (15%), Davis (12%), Riverside (6%), Merced (5%), San Francisco and Santa Barbara (each with 4%), and Santa Cruz (2%).

Chart 15: Number of dispensed planning items, by disposition status
Universitywide, 2004-09 to 2018-23 *Perspectives*
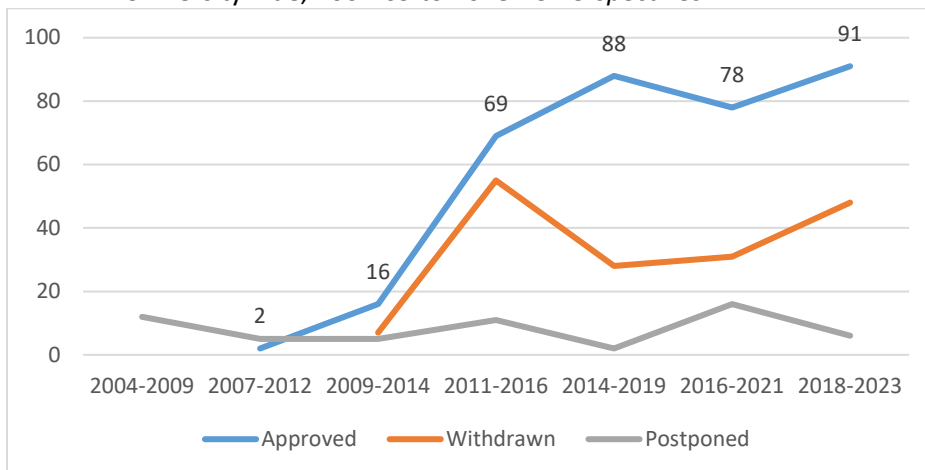
Chart 16: Number of dispensed items through approval, by campus
2004-09 to 2018-23 *Perspectives*
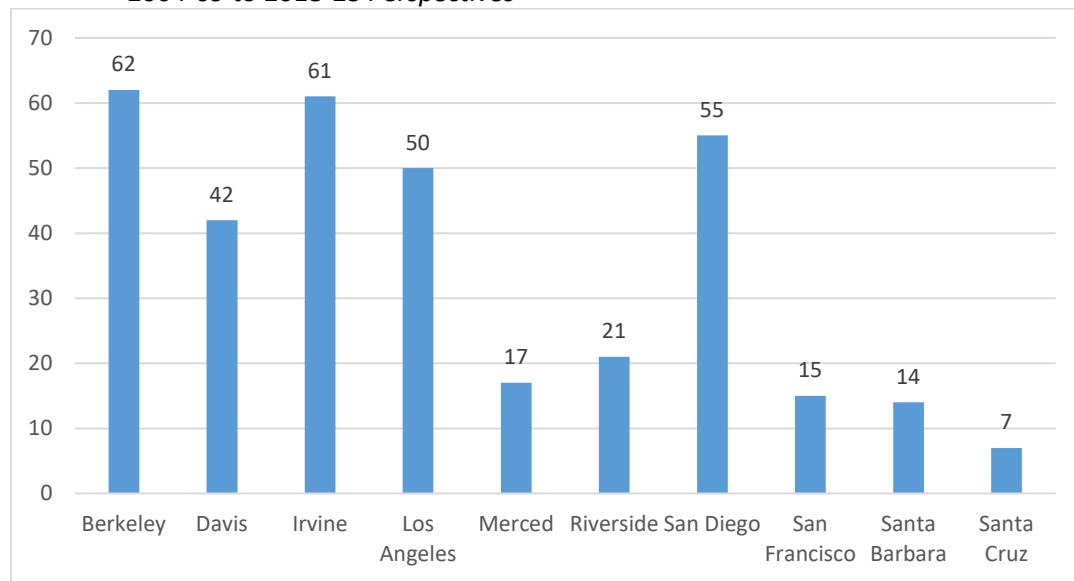


In the 2018-23 cycle, 63% (91 items) of dispended items fell into the approved category, followed by 33% (48 items) falling into the withdrawn category, and 4% (6 items) into the postponed category. Almost half, 47%, of approved items were for undergraduate programs, 16% for academic doctoral programs, 16% for academic master, 15% for professional master, and 4% for professional doctorate/practice. Berkeley had 27 approvals, almost a third of the total in the 2018-23 cycle, followed by Irvine (19%), San Diego and Los Angeles, each with 13% the total, Davis (10%), Merced (7%), and Riverside, Santa Barbara, Santa Cruz, and San Francisco, each with 3% or less. See Appendix C for the complete list of 2018-23 *Perspectives*' approvals.

Chart 17: Number of program establishment approvals, by degree type
2018-23 *Perspectives*
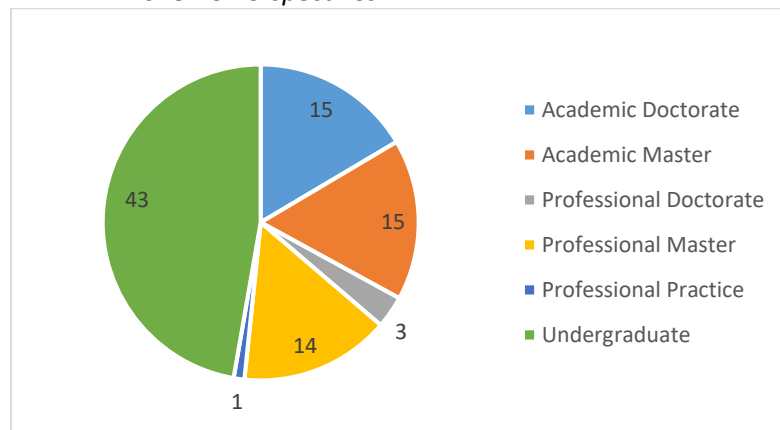


Among dispended items, then, approvals are the most prevalent, and these approvals, like discontinuances, have historically clustered around undergraduate programs and, to a lesser extent, graduate academic and professional masters programs. These approved programs clustered around four campuses—Berkeley, Irvine, San Diego, and Los Angeles.

What the trends for actions other than establishment and dispensed items suggests is an increase programmatic change in the form of disestablishments and approvals, especially since the 2009-14 cycle. This change has been concentrated in undergraduate programs and at the Berkeley, Irvine, San Diego, and Los Angeles campuses.

**Appendices**
Appendix A: Similar Programs and Units Proposed at Multiple Campuses, 2018-23 *Perspectives*
Appendix B: 2018-23 *Perspectives*' Discontinuances
Appendix C: 2018-23 *Perspectives*' Approvals

**Appendix A: Similar Programs and Units Proposed at Multiple Campuses, 2018-23 *Perspectives***

| Discipline(s) | Campus | Name of Academic Unit | Department | Degree | Status | SSGPDP? | PDST? |
|---|---|---|---|---|---|---|---|
| Molecular and Cell Biology | Berkeley | TBD topic in Molecular and Cell Biology | Division of Biological Sciences, College of Letters and Science | Certificate (Undergraduate) | 1 | | |
| | Los Angeles | Molecular, Cell & Developmental Biology | Molecular, Cell & Developmental Biology/Life Sciences Division | M.S. | 1 | | |
| | Merced | Molecular and Cell Biology | School of Natural Sciences | Ph.D. | 1 | | Yes |
| Biotechnology/ Biomedical/ Bioinformatics/ Bioengineering | Berkeley | Biotechnology | Division of Biological Sciences, College of Letters and Science & College of Natural Resources | M.S. | 2 | | Yes |
| | Los Angeles | Biomedical Technology | Division-wide (Life Sciences Division) | M.S. | 2 | Yes | |
| | Los Angeles | Biomedical Science | Medicine (various)/Medicine | M.S. | 1 | | |
| | San Diego | Bioinformatics/Systems Biology | Joint Doctoral Degree with San Diego State University, College of Engineering | Ph.D. | 1 | | |
| | Merced | Bioinformatics | School of Natural Sciences | M.S. | 1 | | Yes |
| | Berkeley | Bioprocess Engineering | Department of Chemical and Biomolecular Engineering, College of Chemistry | Master | 4 | Yes | |
| | Merced | Bioengineering | School of Engineering | M.S./Ph.D. | 4 | | |
| | Santa Barbara | BioEngineering | College of Engineering and Center for BioEngineering | M.S./Ph.D. | 1 | | |
| | Santa Barbara | BioEngineering | College of Engineering and Center for BioEngineering | B.S. | 3 | | |
| Educational Leadership | Berkeley | Urban Education Leadership (Blended) | Graduate School of Education | M.A. | 2 | | |
| | Berkeley | Leadership for Education Equity Programs | Graduate School of Education | Doctorate (Doctor of Education, Ed.D.) | 2 | | Yes |
| | Irvine | Instructional Leadership | Education | Master | 2 | Yes | |
| | Riverside | Educational Leadership and Policy | Graduate School of Education | Doctorate (Doctor of Education, Ed.D.) | 1 | | Yes |
| | Los Angeles | Education and Social Transformation | Department of Education/Graduate School of Education in collaboration w/ Extension/UCLA Global | Master (M.Ed.) | 1 | Yes | |
| Engineering and Electrical Engineering | Merced | Engineering | School of Engineering | M.S./Ph.D. | 1 | | |
| | Irvine | Engineering | Engineering | Master | 3 | Yes | |
| | Los Angeles | Engineering | School-wide (Engineering and Applied Science) | Master (M.Eng.) | 1 | Yes | |
| | Merced | Electrical Engineering and Computer Science | School of Engineering | M.S./Ph.D. | 4 | | |
| | Merced | Electrical Engineering | School of Engineering | B.S. | 1 | | |
| | Santa Barbara | Electrical and Computer Engineering | Electrical and Computer Engineering | M.S. (professional degree) | 1 | | |
| Writing | Merced | Writing | School of Social Sciences, Humanities and Arts | B.A. | 2 | | |
| | Santa Barbara | Writing | Writing Program | B.A. | 1 | | |
| | Berkeley | Non-Fiction Writing | School of Journalism | Master | 1 | Yes | |

Status codes: "1" = Suggested for *Perspectives*; "2" = Under department/school/college review; "3" = Under campus review; "4" = Under CCGA review.

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|---|---|---|---|---|---|---|---|
| Writing | Berkeley | Creative Writing | Division of Arts & Humanities, College of Letters & Sci. | M.F.A. | 2 | | Yes |
| Public Health | Irvine | Public Health | Population Health and Disease Prevention/Public Health | M.S. | 1 | | |
| | Riverside | Public Health | School of Medicine | Master (M.P.H.) | 1 | Yes | Yes |
| | Los Angeles | Public Health | School-wide (Public Health) | Master (Master of Public Health, M.P.H.), online or hybrid online | 1 | Yes | Yes |
| | Los Angeles | Public Health | Environmental Health Sciences/Public Health | Master (Master of Public Health, M.P.H.), accelerated admission for UCLA undergraduates | 3 | | Yes |
| | Merced | Public Health | School of Social Sciences, Humanities & Arts | Master (Master of Public Health, M.P.H.) | 1 | | |
| | Merced | Public Health | School of Social Science, Humanities & Arts | B.S. | 1 | | |
| | Los Angeles | Public Health | School-wide (Public Health) | B.S./B.A. | 2 | | |
| | Berkeley | Public Health & Law (concurrent degree) | School of Public Health & School of Law | J.D./M.P.H. | 1 | | Yes |
| | Berkeley | Public Health & Engineering (concurrent degree) | School of Public Health & College of Engineering | Master (M.P.H./M.Eng.) | 1 | | Yes |
| Genetic Counseling | San Francisco | Genetic Counseling | Graduate Division | M.S. | 1 | Yes | |
| | Davis | Genetic Counseling | College of Biological Sciences | M.S. | 2 | | Yes |
| | Los Angeles | Genetic Counseling | Medicine (various)/Medicine | M.S. | 4 | | Yes |
| Data Science | Berkeley | Data Sciences | Not given/Does not apply | Not given/Does not apply | 2 | | |
| | Los Angeles | Data Sciences | Math/Physical Sciences Division | B.S. | 1 | | |
| | Los Angeles | Data Science Engineering | School-wide (Engineering and Applied Science) | M.S. | 3 | Yes | |
| | Merced | Data Science (Professional M.S. in Data Science) | School of Natural Sciences | M.S. | 1 | Yes | Yes |
| | Davis | Data Science | Cross-college collaboration | M.S. | 1 | | |
| | Santa Cruz | Data Science | Baskin School of Engineering | M.S. | 2 | Yes | |
| | Irvine | Data Science | Statistics and Computer Science/Information and Computer Science | Master | 1 | Yes | |
| | San Diego | Data Science | Economics/Social Sciences | M.S. | 2 | Yes | |
| | Berkeley | Data Science | Division of Data Sciences & College of Engineering | B.S. | 2 | | |
| | Berkeley | Data Science | Division of Data Sciences | Minor | 2 | | |
| Environment/Sustainability | Berkeley | Sustainability and the Environment | Environmental Science, Policy and Management, College of Natural Resources | M.S. | 2 | Yes | |
| | Santa Barbara | Environmental Data Science | Bren School of Environmental Science and Management | M.S. | 3 | | Yes |
| | Los Angeles | Environment and Sustainability - Conservation Practice | Institute of the Environment and Sustainability | M.S. | 1 | Yes | |
| | Santa Cruz | Environmental Sciences | Division of Physical & Biological Sciences | B.S. | 3 | | |

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|---|---|---|---|---|---|---|
| Environment/Sustainability | Los Angeles | Conservation Practice and Sustainability | Institute of the Environment and Sustainability/Life Sciences Division | M.S. | 2 | |
| | Santa Cruz | Coastal Sustainability | Division of Physical & Biological Sciences | M.S. | 4 | Yes |
| | Davis | Environmental Chemistry | College of Agricultural & Environmental Sciences | Master (Master of Environmental Chemistry) | 1 | Yes |

**Appendix B: 2018-23 *Perspectives*' Discontinuances**

In the 2018-23 *Perspectives*, a total of 40 programs were listed as being discontinued, defined in the *Compendium* as eliminating an academic program. These 40 items were 47% of *Compendium* actions other than program establishment, i.e., they were about half of the actions to transfer, consolidate, disestablish, or otherwise "reconstitute" programs, and 9% of the total 445 items listed in the 2018-23 cycle. Berkeley had 13 of these discontinuances, a third of the total, followed by San Diego and Los Angeles, both with a quarter of the total (10 discontinuances), and Davis, which had 4 discontinuances (10% of the total). 35% of discontinuances were for undergraduate programs, 22% for academic doctoral programs, 16% for professional master, 14% for academic master, and 14% for professional doctorate. Four out of the total 40 programs had Professional Degree Supplemental Tuition and four of total 40 were Self-Supporting Graduate Professional Degree Programs. 18% fell into the Multi/Interdisciplinary disciplinary category, 13% fell into the Area, Ethnic, Cultural, Gender, and Group Studies category, and 13% fell into the Biological and Biomedical Sciences category. Each of the other disciplinary categories represented less than 8% of the total.

| Campus | Name of Academic Unit | Degree | Degree Type | Academic Unit Type | CIP field | Current FYPP Status | Funding Model | PDST? | SSGPDP? | Notes / Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| Berkeley | Middle Eastern Studies | B.A. | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | (5) Approved | State Supported | No | No | |
| Berkeley | Latin American Studies | B.A. | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | (5) Approved | State Supported | No | No | |
| Berkeley | Folklore Studies | M.A. | Academic Master | Graduate program | Area, Ethnic, Cultural, Gender, and Group Studies | (1) Suggested for FYPP list | State Supported | No | No | |
| Berkeley | Asian Studies | Ph.D. | Academic Doctorate | Graduate program | Area, Ethnic, Cultural, Gender, and Group Studies | (2) Department/school review | State Supported | No | No | |
| Berkeley | Asian Studies | B.A. | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | (5) Approved | State Supported | No | No | |
| Berkeley | Integrated Circuits | Master (Master of Advanced Studies) | Professional Master | Graduate program | Computer and Information Sciences and Support Services | (2) Department/school review | Self Supporting | No | Yes | |
| Berkeley | Peace and Conflict Studies | B.A. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | (5) Approved | State Supported | No | No | |
| Berkeley | Nanoscale Science and Engineering | Designated Emphasis | Not given/Does not apply | Graduate program | Multi/Interdisciplinary Studies | (5) Approved | State Supported | No | No | |
| Berkeley | Development Studies | B.A. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | (5) Approved | State Supported | No | No | |
| Berkeley | Communications, Computation, and Statistics | Designated Emphasis | Not given/Does not apply | Graduate program | Multi/Interdisciplinary Studies | (5) Approved | State Supported | No | No | |
| Berkeley | Religious Studies | B.A. | Undergraduate | Undergraduate program | Philosophy and Religious Studies | (5) Approved | State Supported | No | No | |
| Berkeley | Religious Studies | Minor | Undergraduate | Undergraduate program | Philosophy and Religious Studies | (5) Approved | State Supported | No | No | |
| Berkeley | Near Eastern Religions | Ph.D. | Academic Doctorate | Graduate program | Philosophy and Religious Studies | (5) Approved | State Supported | No | No | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Davis | Textiles & Clothing | B.S. | Undergraduate | Undergraduate program | Family and Consumer Sciences/Human Sciences | (6) Withdrawn | State Supported | No | No | |
| Davis | Fiber Polymer Science | B.S. | Undergraduate | Undergraduate program | Family and Consumer Sciences/Human Sciences | (5) Approved | State Supported | No | No | |
| Davis | International Commercial Law | Master (Master of Laws, LL.M.) | Professional Master | Graduate program | Legal Professions and Studies | (5) Approved | State Supported | No | No | Approved Summer 2017. |
| Davis | Natural Sciences | B.S. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | (5) Approved | State Supported | No | No | Approved Spring 2017. |
| Irvine | Biological Sciences and Educational Media Design | M.S. | Academic Master | Graduate program | Biological and Biomedical Sciences | (5) Approved | State Supported | No | No | |
| Los Angeles | Neurobiology | M.S./Ph.D. | Academic Doctorate | Graduate program | Biological and Biomedical Sciences | (5) Approved | State Supported | No | No | |
| Los Angeles | Epidemiology | Doctorate (Doctor of Public Health, D.P.H.) | Professional Doctorate | Graduate program | Biological and Biomedical Sciences | (3) Campus review | State Supported with PDST | Yes | No | Admissions suspended; school considering future disestablishment |
| Los Angeles | Cellular and Molecular Pathology | Ph.D. | Academic Doctorate | Graduate program | Biological and Biomedical Sciences | (3) Campus review | State Supported | No | No | |
| Los Angeles | Biological Chemistry | M.S./Ph.D. | Academic Doctorate | Graduate program | Biological and Biomedical Sciences | (4) CCGA/CPEC review | State Supported | No | No | Admissions suspended; school considering future disestablishment |
| Los Angeles | Global Executive M.B.A. for the Americas | Master (Master of Business Administration, M.B.A.) | Professional Master | Graduate program | Business, Management, Marketing, and Related Support Services | (5) Approved | State Supported | No | No | |
| Los Angeles | Environmental Health Sciences | Doctorate (Doctor of Public Health, D.P.H.) | Professional Doctorate | Graduate program | Health Professions and Related Programs | (3) Campus review | State Supported with PDST | Yes | No | Admissions suspended; school considering future disestablishment |
| Los Angeles | Community Health Sciences | Doctorate (Doctor of Public Health, D.P.H.) | Professional Doctorate | Graduate program | Health Professions and Related Programs | (3) Campus review | State Supported with PDST | Yes | No | Admissions suspended; school considering future disestablishment |
| Los Angeles | Health Policy and Management | Doctorate (Doctor of Public Health, D.P.H.) | Professional Doctorate | Graduate program | Public Administration and Social Service Professions | (3) Campus review | State Supported with PDST | Yes | No | Admissions suspended; school considering future disestablishment |
| Los Angeles | Theater | M.A. | Academic Master | Graduate program | Visual and Performing Arts | (5) Approved | State Supported | No | No | |
| Los Angeles | Music | B.A. | Undergraduate | Undergraduate program | Visual and Performing Arts | (1) Suggested for FYPP list | State Supported | No | No | Will be replaced by three new Music B.A. degree programs |
| Merced | Interim Individual Graduate Program with Emphases | Not given/Does not apply | Not given/Does not apply | Graduate program | Not given/Does not apply | Not given/Does not apply | State Supported | No | No | |
| San Diego | Computer Science | B.A. | Undergraduate | Undergraduate program | Computer and Information Sciences and Support Services | (1) Suggested for FYPP list | State Supported | No | No | |

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|---|---|---|---|---|---|---|---|---|---|---|
| San Diego | Teaching and Learning | Doctorate (Doctor of Education, Ed.D.) | Professional Doctorate | Graduate program | Education | (4) CCGA/CPEC review | State Supported | No | No | |
| San Diego | Simulation-Based Engineering | Master of Advanced Study | Professional Master | Graduate program | Engineering | (2) Department/school review | Self Supporting | No | Yes | |
| San Diego | Environmental Engineering | B.S. | Undergraduate | Undergraduate program | Engineering | (1) Suggested for FYPP list | State Supported | No | No | |
| San Diego | Electical Engineering (Applied Ocean Science) | M.S./Ph.D. | Academic Doctorate | Graduate program | Engineering | (3) Campus review | State Supported | No | No | |
| San Diego | Structural Health Monitoring | Master of Advanced Study | Professional Master | Graduate program | Engineering Technologies and Engineering-Related Fields | (2) Department/school review | Self Supporting | No | Yes | |
| San Diego | Health Policy and Law | Master of Advanced Study | Professional Master | Graduate program | Multi/Interdisciplinary Studies | (2) Department/school review | Self Supporting | No | Yes | |
| San Diego | Computational Science | Ph.D. | Academic Doctorate | Graduate program | Multi/Interdisciplinary Studies | (6) Withdrawn | State Supported | No | No | |
| San Diego | Psychology | B.S./M.A. | Academic Master | Hybrid undergraduate/ graduate program | Psychology | (5) Approved | State Supported | No | No | Discontinue the contiguous B.S./M.A. degree, effective Fall 2016 |
| San Diego | Economics and International Affairs | Ph.D. | Academic Doctorate | Graduate program | Social Sciences | (3) Campus review | State Supported | No | No | |
| Santa Barbara | Economics | M.A. | Academic Master | Graduate program | Social Sciences | (1) Suggested for FYPP list | State Supported | No | No | |

**Appendix C: 2018-23 *Perspectives*' Approvals**

In the 2018-23 *Perspectives*, a total of 91 programs were dispensed from the *Perspectives* as a result of being approved. These 91 items were 63% of dispensed items that were no longer pending because they have been approved, withdrawn, or postponed and 20% of the total 445 items listed in the 2018-23 cycle. 78% of these approval fell into the *Compendium*'s establishment category and 18% into the discontinue category; 96% fell into these two categories. Berkeley had 27 approvals, almost a third of the total in the 2018-23 cycle, followed by Irvine (19%), San Diego and Los Angeles, each with 13% the total, Davis (10%), and Riverside, Santa Barbara, Santa Cruz, and San Francisco, each with 3% or less. Almost half, 47%, of approved items were for undergraduate programs, 16% for academic doctoral programs, 16% for academic master, 15% for professional master, and 4% for professional doctorate/practice. None of the 91 approved programs had Professional Degree Supplemental Tuition and none were Self-Supporting Graduate Professional Degree Programs; all were state-supported programs. 16% fell into the Multi/Interdisciplinary disciplinary category, 11% fell into the Area, Ethnic, Cultural, Gender, and Group Studies category, and 11% fell into the Health Professions and Related Programs category. Each of the other disciplinary categories represented less than 9% of the total.

| Campus | Name of Academic Unit | Degree | Degree Type | Academic Unit Type | CIP field | Action Planned | Funding Model | PDST? | SSGPDP? | Notes / Comments |
|--------|----------------------|--------|-------------|--------------------|-----------|----------------|--------------|-------|---------|------------------|
| Berkeley | Spanish and Portuguese | B.A. | Undergraduate | Undergraduate program | Foreign Languages, Literatures, and Linguistics | Consolidate | State Supported | No | No | |
| Berkeley | Near Eastern Religions | Ph.D. | Academic Doctorate | Graduate program | Philosophy and Religious Studies | Discontinue | State Supported | No | No | |
| Berkeley | Asian Studies | B.A. | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Discontinue | State Supported | No | No | |
| Berkeley | Development Studies | B.A. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | Discontinue | State Supported | No | No | |
| Berkeley | Latin American Studies | B.A. | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Discontinue | State Supported | No | No | |
| Berkeley | Middle Eastern Studies | B.A. | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Discontinue | State Supported | No | No | |
| Berkeley | Peace and Conflict Studies | B.A. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | Discontinue | State Supported | No | No | |
| Berkeley | Religious Studies | B.A. | Undergraduate | Undergraduate program | Philosophy and Religious Studies | Discontinue | State Supported | No | No | |
| Berkeley | Religious Studies | Minor | Undergraduate | Undergraduate program | Philosophy and Religious Studies | Discontinue | State Supported | No | No | |
| Berkeley | Real Estate Development & Design | Master (Master of Real Estate | Professional Master | Graduate program | Business, Management, Marketing, and Related Support Services | Establish | State Supported | No | No | |

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|---|---|---|---|---|---|---|---|---|---|
| | | Development & Design) | | | | | | | |
| Berkeley | Information and Cyber Security | Master (Master of Information and Cyber Security) | Professional Master | Graduate program | Computer and Information Sciences and Support Services | Establish | State Supported | No | No |
| Berkeley | Molecular Science & Software Engineering | Master (Master of Molecular Science & Software Engineering) | Professional Master | Graduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No |
| Berkeley | Management, Entrepreneurship and Technology (MET) Program (simultaneous business and engineering degrees) | B.S. and B.S. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No |
| Berkeley | Data Science | B.A. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No |
| Berkeley | Global Studies | B.A. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No |
| Berkeley | Armenian Studies | Minor | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Establish | State Supported | No | No |
| Berkeley | Digital Humanities | Minor | Undergraduate | Undergraduate program | Liberal Arts and Sciences, General Studies and Humanities | Establish | State Supported | No | No |
| Berkeley | Early Development and Learning Science | Minor | Undergraduate | Undergraduate program | Family and Consumer Sciences/Human Sciences | Establish | State Supported | No | No |
| Berkeley | Ecosystem Management and Forestry: Forestry | B.A. | Undergraduate | Undergraduate program | Natural Resources and Conservation | Establish | State Supported | No | No |
| Berkeley | Ecosystem Management and Forestry: Natural Resource Management | B.A. | Undergraduate | Undergraduate program | Natural Resources and Conservation | Establish | State Supported | No | No |

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| Berkeley | Electronic Intelligent Systems | Minor | Undergraduate | Undergraduate program | Computer and Information Sciences and Support Services | Establish | State Supported | No | No | |
|---|---|---|---|---|---|---|---|---|---|---|
| Berkeley | Global Public Health | Minor | Undergraduate | Undergraduate program | Health Professions and Related Programs | Establish | State Supported | No | No | |
| Berkeley | Logic | Minor | Undergraduate | Undergraduate program | Philosophy and Religious Studies | Establish | State Supported | No | No | |
| Berkeley | Race and the Law | Minor | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Establish | State Supported | No | No | |
| Berkeley | Sustainability | Minor | Undergraduate | Undergraduate program | Natural Resources and Conservation | Establish | State Supported | No | No | |
| Berkeley | Tibetan | Minor | Undergraduate | Undergraduate program | Foreign Languages, Literatures, and Linguistics | Establish | State Supported | No | No | |
| Berkeley | Manufacturing Engineering Major | B.S. | Undergraduate | Undergraduate program | Engineering | Other | State Supported | No | No | Other: Temporary suspension |
| Davis | International Commercial Law | Master (Master of Laws, LL.M.) | Professional Master | Graduate program | Legal Professions and Studies | Discontinue | State Supported | No | No | Approved Summer 2017. |
| Davis | Fiber Polymer Science | B.S. | Undergraduate | Undergraduate program | Family and Consumer Sciences/Human Sciences | Discontinue | State Supported | No | No | |
| Davis | Natural Sciences | B.S. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | Discontinue | State Supported | No | No | Approved Spring 2017. |
| Davis | Energy Systems | M.S./Ph.D. | Academic Doctorate | Graduate program | Physical Sciences | Establish | State Supported | No | No | Approved Summer 2016. |
| Davis | Public Health Sciences | Ph.D. | Academic Doctorate | Graduate program | Health Professions and Related Programs | Establish | State Supported | No | No | Approved Fall 2016. |
| Davis | Business Analytics | M.S. | Academic Master | Graduate program | Business, Management, Marketing, and Related Support Services | Establish | State Supported | No | No | Approved Spring 2016. |
| Davis | Environmental Policy & Management | M.S. | Academic Master | Graduate program | Natural Resources and Conservation | Establish | State Supported | No | No | Approved Summer 2016. |
| Davis | Environmental Engineering | B.S. | Undergraduate | Undergraduate program | Engineering | Establish | State Supported | No | No | Approved Winter 2017. |

| Davis | Creative Writing | M.F.A. | Academic Master | Graduate program | English Language and Literature/Letters | Reconstitution | State Supported | No | No | Reconstitute MA in English as MFA in Creative Writing. Approved Winter 2018. |
|---|---|---|---|---|---|---|---|---|---|---|
| Irvine | Biological Sciences and Educational Media Design | M.S. | Academic Master | Graduate program | Biological and Biomedical Sciences | Discontinue | State Supported | No | No | |
| Irvine | Computational Science | Ph.D. | Academic Doctorate | Graduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No | To be offered jointly with San Diego State University |
| Irvine | Asian American Studies (4+1 M.A.) | M.A. | Academic Master | Graduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Establish | State Supported | No | No | |
| Irvine | Conservation and Restoration Science | Master | Academic Master | Graduate program | Natural Resources and Conservation | Establish | State Supported | No | No | |
| Irvine | European Thought and Culture (4+1 M.A.) | M.A. | Academic Master | Graduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Establish | State Supported | No | No | |
| Irvine | Pharmacology | M.S. | Academic Master | Graduate program | Health Professions and Related Programs | Establish | State Supported | No | No | Changed from "Master" to M.S. but still self-supporting (SSGPDP). |
| Irvine | Nursing Practice | Doctorate (Doctor of Nursing Practice, D.N.P.) | Professional Doctorate | Graduate program | Health Professions and Related Programs | Establish | State Supported | No | No | |
| Irvine | Business Analytics | Master | Professional Master | Graduate program | Business, Management, Marketing, and Related Support Services | Establish | State Supported | No | No | |
| Irvine | Computer Science | Master | Professional Master | Graduate program | Computer and Information Sciences and Support Services | Establish | State Supported | No | No | |
| Irvine | Embedded and Cyber-Physical Systems | Master | Professional Master | Graduate program | Engineering | Establish | State Supported | No | No | |
| Irvine | Finance | Master | Professional Master | Graduate program | Business, Management, Marketing, and Related Support Services | Establish | State Supported | No | No | |
| Irvine | Nursing--Master's Entry Program in Nursing | Master (Master's Entry Program in Nursing) | Professional Master | Graduate program | Health Professions and Related Programs | Establish | State Supported | No | No | |

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| Irvine | Software Engineering | Master | Professional Master | Graduate program | Engineering | Establish | State Supported | No | No | |
|---|---|---|---|---|---|---|---|---|---|---|
| Irvine | Public Health and Law | J.D. /M.P.H. | Professional Practice | Graduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No | |
| Irvine | Applied Physics | B.S. | Undergraduate | Undergraduate program | Physical Sciences | Establish | State Supported | No | No | |
| Irvine | Environmental Science and Policy (Joint Major) | B.A. | Undergraduate | Undergraduate program | Natural Resources and Conservation | Establish | State Supported | No | No | |
| Irvine | Language Science | B.A. | Undergraduate | Undergraduate program | Foreign Languages, Literatures, and Linguistics | Establish | State Supported | No | No | |
| Los Angeles | Neurobiology | M.S./Ph.D. | Academic Doctorate | Graduate program | Biological and Biomedical Sciences | Discontinue | State Supported | No | No | |
| Los Angeles | Theater | M.A. | Academic Master | Graduate program | Visual and Performing Arts | Discontinue | State Supported | No | No | |
| Los Angeles | Global Executive M.B.A. for the Americas | Master (Master of Business Administration, M.B.A.) | Professional Master | Graduate program | Business, Management, Marketing, and Related Support Services | Discontinue | State Supported | No | No | |
| Los Angeles | Environment and Sustainability | M.S./Ph.D. | Academic Doctorate | Graduate program | Natural Resources and Conservation | Establish | State Supported | No | No | |
| Los Angeles | Conservation of Material Culture | M.A./Ph.D. | Academic Doctorate | Graduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No | |
| Los Angeles | Business Analytics | M.S. | Academic Master | Graduate program | Business, Management, Marketing, and Related Support Services | Establish | State Supported | No | No | |
| Los Angeles | Teaching Asian Languages | M.A. | Academic Master | Graduate program | Foreign Languages, Literatures, and Linguistics | Establish | State Supported | No | No | |
| Los Angeles | Nursing Practice | Doctorate (Doctor of Nursing Practice, D.N.P.) | Professional Doctorate | Graduate program | Health Professions and Related Programs | Establish | State Supported | No | No | |
| Los Angeles | Computer Engineering | B.S. | Undergraduate | Undergraduate program | Engineering | Establish | State Supported | No | No | |

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| Los Angeles | Public Affairs | B.A. | Undergraduate | Undergraduate program | Public Administration and Social Service Professions | Establish | State Supported | No | No | |
|---|---|---|---|---|---|---|---|---|---|---|
| Los Angeles | Asian Language and Linguistics | B.A. | Undergraduate | Undergraduate program | Foreign Languages, Literatures, and Linguistics | Establish | State Supported | No | No | |
| Los Angeles | Nordic Studies | B.A. | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Establish | State Supported | No | No | |
| Merced | Mechanical Engineering | M.S./Ph.D. | Academic Doctorate | Graduate program | Engineering | Establish | State Supported | No | No | |
| Merced | Economics | M.A./Ph.D. | Academic Doctorate | Graduate program | Social Sciences | Establish | State Supported | No | No | |
| Merced | Public Health | M.S./Ph.D. | Academic Doctorate | Graduate program | Health Professions and Related Programs | Establish | State Supported | No | No | |
| Merced | Management of Innovation, Sustainability and Technology | Master (Master of Management, M.M.) | Professional Master | Graduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No | |
| Merced | Philosophy | B.A. | Undergraduate | Undergraduate program | Philosophy and Religious Studies | Establish | State Supported | No | No | |
| Merced | Critical Race and Ethnic Studies | B.A. | Undergraduate | Undergraduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Establish | State Supported | No | No | |
| Riverside | Earth Science | B.S. | Undergraduate | Undergraduate program | Physical Sciences | Establish | State Supported | No | No | Admitting students for Fall 2019 |
| Riverside | Education, Society, and Human Development | B.A. | Undergraduate | Undergraduate program | Education | Establish | State Supported | No | No | Education Sciences and Child Development combined into a single major--Education, Society, and Human Development--approved by UCR Academic Senate in Spring 2017. |
| Riverside | Public Policy | B.A. | Undergraduate | Undergraduate program | Public Administration and Social Service Professions | Transfer | State Supported | No | No | Effective July 1, 2018 |
| San Diego | Psychology | B.S./M.A. | Academic Master | Hybrid undergraduate/graduate program | Psychology | Discontinue | State Supported | No | No | Discontinue the contiguous B.S./M.A. degree, effective Fall 2016 |
| San Diego | Specialization in Computational Neuroscience | Ph.D. | Academic Doctorate | Graduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No | Effective Fall 2016 |

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| San Diego | Specialization in Critical Gender Studies | Ph.D. | Academic Doctorate | Graduate program | Area, Ethnic, Cultural, Gender, and Group Studies | Establish | State Supported | No | No | Effective Fall 2016 |
|---|---|---|---|---|---|---|---|---|---|---|
| San Diego | Specialization in Interdisciplinary Environmental Research | Ph.D. | Academic Doctorate | Graduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No | Effective Fall 2016 |
| San Diego | Specialization in Multi-Scale Biology | Ph.D. | Academic Doctorate | Graduate program | Engineering | Establish | State Supported | No | No | Effective Spring 2017 |
| San Diego | Drug Development and Product Management | M.S. | Academic Master | Graduate program | Health Professions and Related Programs | Establish | State Supported | No | No | Effective Fall 2018 |
| San Diego | Geotechnical Engineering | M.S. | Academic Master | Graduate program | Engineering | Establish | State Supported | No | No | Effective Fall 2018 |
| San Diego | Professional Accounting | Master | Professional Master | Graduate program | Business, Management, Marketing, and Related Support Services | Establish | State Supported | No | No | Effective Fall 2018 |
| San Diego | Public Health | Master (Master of Public Health, M.P.H.) | Professional Master | Graduate program | Health Professions and Related Programs | Establish | State Supported | No | No | Effective Fall 2018 |
| San Diego | Data Science | B.S. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No | |
| San Diego | Ocean & Atmospheric Science | B.S. | Undergraduate | Undergraduate program | Physical Sciences | Establish | State Supported | No | No | |
| San Diego | Real Estate and the Built Environment | B.S. | Undergraduate | Undergraduate program | Architecture and Related Services | Establish | State Supported | No | No | Approved as "Real Estate and Development" |
| San Francisco | Nursing Practice | Doctorate (Doctor of Nursing Practice, D.N.P.) | Professional Doctorate | Graduate program | Health Professions and Related Programs | Establish | State Supported | No | No | First cohort to begin in Spring 2018 |
| Santa Barbara | Technology Management | Ph.D. | Academic Doctorate | Graduate program | Computer and Information Sciences and Support Services | Establish | State Supported | No | No | Systemwide/UCOP Approval complete |
| Santa Barbara | Marine Science | B.A. | Undergraduate | Undergraduate program | Multi/Interdisciplinary Studies | Establish | State Supported | No | No | Campus approval complete |

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| Santa Cruz | Social Documentation | M.F.A. | Academic Master | Graduate program | Visual and Performing Arts | Establish | State Supported | No | No | |
|---|---|---|---|---|---|---|---|---|---|---|
| Santa Cruz | Science Education | B.S. | Undergraduate | Undergraduate program | Education | Establish | State Supported | No | No | |