

**A PRELIMINARY BENCHMARK STUDY OF
CALIFORNIA STATE UNIVERSITY
GRADUATE PROGRAMS IN
SOUTHERN CALIFORNIA**

In Preparation for a Graduate Program Retreat

A Leadership Fellows Project led by
Dr. Dhushy Sathianathan

February 2015

Acknowledgement

This study is led by President and Provost Leadership Fellow, Dr. Dhushy Sathianathan, Interim Associate Vice President for Academic Planning. The study was done in collaboration with the Vice Provost and Dean of Graduate Studies, Dr. Cecile Lindsay. The scope and vision for the project was shaped by the members of the 2013-15 leadership fellows. Mentorship and support for the project was provided by the Provost Dr. David Dowell; Dr. Karen Nakkai, Co-Director of President and Provost Leadership Fellow and Executive Assistant to the President; and Dr. Daniel O'Connor, Co-Director of President and Provost Leadership Fellow Program and Associate Dean of College of Liberal Arts. Mr. Ryan Weitzman, Ms. Stacie Bauerle, and Dr. Erin DeSantis from Institutional Research & Assessment provided student and faculty data in collaboration with CSU campuses and Chancellors Office. Dr. Tracey Mayfield, Associate Dean of Library, collected the thesis data in collaboration with CSU Librarians. The Spring 2015 Graduate Program Retreat was planned in collaboration with Dr. Laura Portnoi, Associate Professor and Program Coordinator in College of Education, and Dr. Babette Benken, Associate Dean in the College of Natural Science and Mathematics, with logistical support by Ms. Lupe Swartz, Assistant to Associate Vice President. Report editing support was provided by Ms. Vanessa Red, Special Assistant to the Dean of Undergraduate Studies. Ms. Katarina Spralja, Academic Success Program Coordinator, was a key researcher, contributor, and a co-author of the preliminary study.

Table of Contents

1. Introduction 4

2. Headcount 13

3. Degrees Awarded 19

4. Graduation Rates 27

5. Faculty, Courses, and Full-Time Equivalency 35

6. Thesis Submission Rates 44

7. Conclusion 54

8. Appendices 55

 Appendix - A 55

 Appendix - B 68

1. Introduction

Purpose: This study is developed as part of the President and Provost Leadership Fellows¹ project of the California State University Long Beach (CSULB). The purpose of this report is to explore the significance of CSULB graduate programs compared to other sister campuses in the California State University (CSU) system located in Southern California. By compiling comparative data across nine CSU campuses, the report will provide a baseline assessment for the relative size and scope of the graduate programs. This information will be used to guide the Graduate Program Retreat to be held on March 19th, 2015. The retreat participants will consider this benchmark report along with the Provost's Taskforce on Graduate Student Success report led by Dr. Laura Portnoi. The purpose of the retreat is to help focus graduate program priorities for CSULB and to launch the development of a cohesive graduate program plan. The retreat participants will broadly help identify strengths, weaknesses, opportunities and threats for the graduate programs at CSULB.

CSU Campuses: The nine CSU campuses included in the benchmarking graduate programs study are located in the Southern California region, which include Dominguez Hills, Fullerton, Long Beach, Los Angeles, Northridge, Pomona, San Bernardino, San Diego, and San Marcos. Figure 1-1 demonstrates the geographic proximity of the CSU campuses to each other and the general location of other

CSU campuses throughout the state. The majority of CSU campuses in Southern California are located within the counties of Los Angeles, Orange, San Bernardino, and San Diego. The units of comparison throughout this report are these nine CSU Southern California campuses. Considering the purpose of this report is for the CSULB Graduate Programs Retreat, the CSU Long Beach campus serves as the constant factor against which all other campuses are compared.

University Organizational Structure

Figure 1-2 lists the University administrators for each of the nine comparative campuses as it directly relates to their graduate programs. All nine campuses demonstrate the common title use and organizational structure for a University President and a Provost for Academic Affairs. The leadership for graduate programs at each of the nine campuses seems to reside with the Vice or Associate Provost and/or Dean of Graduate Studies. At CSULB, the Vice Provost and Dean of Graduate Studies seem to be a single office. In a similar manner at Dominguez Hills and Pomona, there is a Dean of Graduate Studies and Research, or an Associate Provost of Academic Programs. At Northridge there seems to be two additional offices with an Associate Vice President for Research and Graduate Studies, and an Assistant Vice President for Graduate Studies. Similarly, at San Diego there is also a Vice President for Research and a Dean of Graduate Affairs, which is separate from the Associate Vice President for Academic Affairs. At San Bernardino there is an Associate Dean for Graduate Studies. At San Marcos, Los Angeles, and Fullerton there

¹ <http://www.csulb.edu/sites/leadershipfellows/program/>

are Deans or Directors of Graduate Studies as an additional leadership team exclusively focused on graduate programs. The combination of graduate studies and research in the same leadership office seems to be a common theme among several CSUs, such as the Associate Vice President for Research and Graduate Studies at CSU Northridge, the Associate Provost for Research and Dean of Graduate Studies at CSU San Bernardino, the Dean of Graduate Studies and Research at CSU San Marcos and CSU Dominguez Hills, and the Vice President for Research and Dean of Graduate Affairs at CSU San Diego. The purpose of displaying the organizational chart for each campus demonstrates the different combinations and levels of administration involved specifically with graduate programs.

Graduate Program Resources

In addition to understanding the administrative organizational structures, Figure 1-3 lists the University resources specific to graduate programs at each of the nine comparative campuses. Many common services and resources have been omitted from this chart in order to concentrate the display of unique graduate resources for each campus. The resources displayed in Figure 1-3 are advertised to the broader graduate population at the University level rather than at the College or Department level, which may provide additional graduate resources and services.

Catalog: The first column illustrates that each campus shares a common practice of a catalog publication as an official University record. This is a central reference point

for exploring further connections within graduate programs.

Handbook: The second most common resource, although not ubiquitous, is the Graduate Handbook, or Graduate Bulletin as it is referred to at CSU San Diego. In general, the handbook provides graduate students with an introduction at the University level to the policies, procedures and institutional practices relative to each milestone in the graduate career from the time of application to graduation. Some Handbooks begin by describing the organizational structure of the graduate program administration ² while others focus on the process flow ³graduate students may encounter within the system. The published handbooks are unique to each campus and serve as a reference point for prospective to enrolled graduate students.

Graduate Studies Office/Resources: The third column in Figure 1-3 combines Graduate Studies Offices and resources available to graduate students. Several campuses provide a website to their Graduate Studies Offices featuring further information regarding various resources of interest to graduate students. Some of the unique resources are highlighted in the table such as laptop check

² <http://arweb.sdsu.edu/es/catalog/2014-15/GraduateBulletin/!!Graduate%202014-15.pdf>

³ <http://instructional1.calstatela.edu/pkrug/Biol%20500/Graduate%20Student%20Handbook.pdf>

out⁴, Graduate Student Associations⁵, Annual Master's Information Night⁶, and Room Reservations⁷. Other graduate resources refer to learning resources such as graduate workshops⁸ and writing centers⁹. Furthermore, special programs within graduate studies, such as Promoting Excellence in Graduate Studies (PEGS) at CSU Dominguez Hills, "serves Hispanic and under-represented, low-income graduate students, and offers a structured and coherent foundation for closing educational gaps while providing students with a personalized approach to teaching and learning"¹⁰. The table can only attempt to capture a sample of the various graduate resources available to the diverse CSU campuses of Southern California.

Funding: In general, graduate funding is comprised of various sources, some of which include financial aid, student loans, and employment. The fourth column in Figure 1-3 highlights some of the unique funding

⁴ <http://gradstudies.csusb.edu/currentStudents/resources.html>

⁵ <https://as.sdsu.edu/govt/board-pages/gsa.html>

⁶ <http://www.csusm.edu/gsr/graduatestudies/orientation.html>

⁷ <http://www.calstatela.edu/graduateresourcecenter/reserve-space>

⁸ <http://www.fullerton.edu/graduate/epochs/gls-schedule.asp>

⁹ <http://www.calstatela.edu/graduateresourcecenter/writing-support>

¹⁰ <http://www.pegs4grads.org/about/>

opportunities available to CSU graduate students in Southern California. Some campuses may advertise a myriad of funding opportunities¹¹ while others publicize memorial scholarships¹². Other funding "is designed to help graduate students capitalize on scholarship and creative activity" by providing monetary "support for travel to a conference, ... page charges for publication of a paper, ... and other activities designed to help disseminate the results of student research and creative activities"¹³. Fellowships¹⁴ and campus employment opportunities as Teaching Associates or Graduate Assistants¹⁵ also encompass funding resources distinctive of graduate students, which provide an additional benefit of professional development within academia.

Publications: The list of publications by the Graduate Studies Offices in the fifth column of Figure 1-3 demonstrates the breadth of possibilities in advertising accomplishments by graduate students and in graduate programs. Some publications illustrate the variety of

¹¹ <http://www.fullerton.edu/graduate/funding/>

¹² <http://www.cpp.edu/~academic-programs/graduate-studies/about/paula-sandoval-scholarship/index.shtml>

¹³ <http://www.csusm.edu/gsr/graduatestudies/rdf.html>

¹⁴ http://newscenter.sdsu.edu/gra/financial_aid.aspx?

¹⁵ <http://www.csun.edu/research-graduate-studies/funding-sources>

degree programs and credentials¹⁶, while others take the form of an online periodical¹⁷ focused on topics geared towards graduate students such as “Low Cost Healthy Meals”¹⁸ to research showcases¹⁹. Still others include substantial publications assessing graduate programs and the Office of Graduate Studies, such as CSU San Bernardino’s “Report on Progress and Accomplishments 2009-2014”²⁰. Publications provide CSU campuses with a platform to further connect their graduate students to resources.

International Programs: Finally, the last column in Figure 1-3 illustrates the focus on international graduate student support in addition to domestic²¹ and international²² volunteer and internship²³ opportunities. In consideration

¹⁶ [http://www.cpp.edu/~academic/catalog09-10/grad_studies/about GRAD.pdf](http://www.cpp.edu/~academic/catalog09-10/grad_studies/about_GRAD.pdf)

¹⁷ <http://fullerton.edu/graduate/webnewsletter/fall2014/index.html>

¹⁸ <http://fullerton.edu/graduate/webnewsletter/fall2014/cooking.html>

¹⁹ http://fullerton.edu/graduate/newsletter/newsletter_vol-10.pdf

²⁰ http://gradstudies.csusb.edu/documents/AnnualReport-FINAL_12-5-14.pdf

²¹ <http://www.calstatela.edu/graduateresourcecenter/opportunities>

²² <http://www.isvolunteers.org/>

²³ <http://osr.csusb.edu/students/internships.html>

of the international student population attending CSUs in Southern California, University level support can take the form of International Student Centers²⁴ to International Friendship Programs²⁵. Some CSU campuses, such as Los Angeles, have a specific International Graduate Student Peer Support Program “aimed at supporting new international graduate students in their transition to the campus and local community”²⁶. Peer Support Programs such as these are “designed to foster positive peer relationship, enrich the social life of graduate students, and promote retention” (ibid). Overall Figure 1-3 is designed to be used as an initial guide for further exploration into the various possibilities of graduate student support structures.

The subsequent sections in this preliminary study explore headcount, degrees awarded, graduation rates, faculty/courses/full-time equivalency, and thesis submission patterns. Although our intent was to collect comprehensive data for all nine CSU campuses, in some cases CSULB data was the most thorough, such as graduation rates, while in other cases were incomplete, such as thesis submission rates. The data in all categories provides a comparison across nine campuses and among colleges related to the CSULB college structure. The organization of both colleges and departments vary widely

²⁴ <http://studentaffairs.sdsu.edu/isc/>

²⁵ <http://www.csusm.edu/global/IntFriend%20.html>

²⁶ <http://www.calstatela.edu/graduateresourcecenter/international-graduate-student-peer-support-program>

by CSU campus (Figure 1-4). Hence, college-to-college comparison is not always precise. Therefore, all the college comparisons are made from the perspective of CSULB colleges and their related majors. This comparison is relevant for most majors that are classified in one college. In the cases where a major may overlap among two or more colleges, it has been included in the college most closely related to its CSULB counterpart based on the topics covered in the major.

This preliminary study does not compare research funding and the associated resources to support graduate student research, nor does it explore budget implications. The structure of funding graduate programs varies widely among the CSUs and these differences are not explored in this study. Also, at some of the campuses doctoral programs are growing to be a major portfolio of the graduate programs. Most of these are joint doctoral programs with the University of California campuses or other universities. However, data on doctoral programs across the CSUs is inconsistent and not fully developed. Hence, this study is primarily focused on CSU master's programs. Also, this preliminary study does not include the extension programs of CSULB College of Continuing and Professional Education (CCPE) and its equivalent counterpart at the other nine CSU campuses that provide a pathway for graduate education through extension programs. All the comparisons are made through the perspective of state-supported academic units.



Figure 1-1: Map of CSU Campus Locations

Click on hyperlinks to be redirected to the respective websites

CSU Long Beach	University President	Provost & Senior VP Academic Affairs	Vice Provost for Academic Affairs & Dean of Graduate Studies		
	Jane Close Conoley	David Dowell (Interim)	Cecile Lindsay		
CSU Northridge	University President	Provost & VP Academic Affairs	Vice Provost Academic Affairs	Associate Vice President Research & Graduate Studies	Assistant Vice President Graduate Studies
	Dianne F. Harrison	Harry Hellenbrand	Michael Neubauer	Crist Khachikian	Maggie Shiffar
CSU San Bernardino	University President	Provost & VP Academic Affairs	Associate Provost Research & Dean of Graduate Studies	Associate Dean of Graduate Studies	
	Tomás Morales	Andrew Bodman	Jeff Thompson	Francisca Beer	
CSU San Marcos	University President	Provost & VP Academic Affairs	VP Planning & Academic Resources	Dean of Graduate Studies & Research	
	Karen S. Haynes	Graham Oberem	Kamel Haddad	Wesley Schultz (Interim)	
CSU Los Angeles	University President	Provost & VP Academic Affairs	Associate Provost Academic Affairs	Dean Graduate Studies	
	William A. Covino	Cheryl L. Ney (Interim)	Rennie Schoepflin	Karin Elliot Brown (Interim)	
CSU Fullerton	University President	Provost & VP Academic Affairs	Deputy Provost/Associate Vice President for Academic Affairs	Director of Graduate Studies	
	Mildred García	José L. Cruz	Shari McMahan	Katherine Powers	
CSU Dominguez Hills	University President	Provost & VP Academic Affairs	Dean of Graduate Studies & Research		
	Willie Hagan	Ellen Junn	Dorota Huizinga		
Cal Poly Pomona	University President	Provost & VP for Academic Affairs	Associate Provost Academic Programs		
	Soraya M. Coley	Martin L. denBoer	Claudia Pinter-Lucke		
San Diego State University	University President	Provost & Senior VP Academic Affairs	Associate Vice President Academic Affairs	Vice President for Research & Dean of Graduate Affairs	San Diego State University Research Foundation Executive
	Elliot Hirshman	Chukuka S. Enwemeka	Kathryn LaMaster	Stephen Welter	Bob E. Wolfson

Figure 1-2: University Administrative Organization

Click on hyperlinks to be redirected to the respective websites

	Catalog	Handbook	Graduate Studies Office/Resources	Funding	Publications	International
CSU Long Beach	Catalog 2014-2015		Graduate Studies			
CSU Northridge	Catalog 2014-2015	Graduate Student Handbook		Research Funding Sources		
CSU San Bernardino	Catalog 2014-2015	Graduate Student Handbook	Graduate Resources: Laptop Checkout, Library Resources, Office of Student Research & Graduate Writing Center		Report on Progress & Accomplishments 2009-2014	Graduate Opportunities Overseas
CSU San Marcos	Catalog 2014-2016	Graduate Student Handbook	Annual Master's Information Night	Research Funding Sources		International Friendship Program
CSU Los Angeles	Catalog 2014-2015	Graduate Student Handbook	Room Reservation and Presentation Resources Graduate Writing Support			Graduate Employment & Volunteer Opportunities International Graduate Student Peer Support Program
CSU Fullerton	Catalog 2013-2015	Graduate Student Handbook	Graduate Learning Specialists	Funding Sources	Graduate Studies Newsletters	
CSU Dominguez Hills	Catalog 2014-2015	Graduate Student Handbook	Promoting Excellence in Graduate Studies (PEGS)			
Cal Poly Pomona	Catalog 2014-2015	Graduate Student Handbook		Paula Sandoval Memorial Graduate Scholarship	About Graduate Studies Flyer	
San Diego State University	Catalog 2014-2015	Graduate Bulletin 2014-2015	Graduate Student Association Division of Graduate Affairs	Fellowship Opportunities		International Student Center

Figure 1-3: CSU Graduate Program Resource List

Click on hyperlinks to be redirected to the respective websites

CSU Long Beach	College of the Arts	College of Business Administration	College of Education	College of Engineering	College of Health & Human Services	College of Liberal Arts	College of Natural Sciences & Mathematics		
CSU Northridge	Mike Curb College of Arts, Media, & Communication	David Nazarian College of Business & Economics	Michael D. Eisner College of Education	Engineering & Computer Science	College of Health & Human Development	College of Social & Behavioral Sciences	College of Science & Math	College of Humanities	
CSU San Bernardino	College of Arts & Letters	College of Business & Public Administration	College of Education	College of Natural Sciences	College of Social & Behavioral Sciences				
CSU San Marcos		College of Business Administration	College of Education, Health & Human Services	College of Science & Mathematics	College of Humanities, Arts, Behavioral & Social				
CSU Los Angeles	College of Arts & Letters	College of Business & Economics	Charter College of Education	College of Engineering, Computer Science & Technology	College of Health & Human Services	College of Natural & Social Sciences			
CSU Fullerton	College of the Arts	Mihaylo College of Business & Economics	College of Education	College of Engineering & Computer Science	College of Health & Human Development	College of Humanities & Social Sciences	College of Communication	College of Natural Sciences & Mathematics	
CSU Dominguez Hills	College of Arts & Humanities	College of Business Administration & Public Policy	College of Education	College of Natural & Behavioral Sciences	College of Health, Human Services & Nursing				
Cal Poly Pomona		College of Business Administration	College of Education & Integrative Studies	College of Engineering	College of Science	College of Letters, Arts & Social Sciences	College of Agriculture	College of Environmental Design	Collins College of Hospitality Management
San Diego State University	College of Professional Studies & Fine Arts	College of Business Administration	College of Education	College of Engineering	College of Health & Human Services	College of Arts & Letters	College of Sciences		

Figure 1-4: CSU Graduate Program Resource List

2. Headcount

The headcount numbers were collected for all nine campuses for the time period between fall 2009 through fall 2013 using data provided by the CSU Chancellor’s Office. The organization of graduate programs and colleges varies by campus. For the purposes of this study, the graduate programs are compared based on the college structure represented at CSU Long Beach.

Reported headcount numbers are used to understand enrollment at the various Southern California CSU campuses. The headcount value reports the physical number of graduate students enrolled in a program without regard to their status as full-time or part-time students. With graduate students transitioning between full-time and part-time student status, the headcount value is an appropriate method for the purpose of this preliminary study.

With a headcount of 1,678, the College of Health and Human Services is the largest graduate program among the sister CSUs in Southern California.

Across the board, headcount trends decreased for all nine campuses between fall 2009 and fall 2013 (Figure 2-1). In fall 2009, the campuses with the highest to lowest headcount numbers were CSU San Diego, Long Beach, Fullerton, Northridge, Los Angeles, Dominguez Hills, San Bernardino, Pomona, and San Marcos. With the steady decline in headcount numbers, by fall 2013 CSU Fullerton had the highest headcount numbers, followed by CSU Long

Beach, and then CSU San Diego. Over the course of four years, CSU Long Beach remained second in highest headcount numbers.

Among the nine sister CSUs, 27% of the headcount is in the areas of Health and Human Services and related majors. Across all campuses and programs, the CSU College of Health and Human Services had the highest headcount numbers for fall 2013 by a very large margin (Figure 2-2). The second largest majors among the CSUs seem to be Education related fields and Liberal Art disciplines, followed by Engineering, Business, and the Natural Sciences and Mathematics. The College of the Arts and related fields demonstrated the smallest headcount rates among the disciplines.

The headcount numbers by ethnicity in fall 2013 showed white, non-Latinos as the highest number of graduate students enrolled in the nine CSU Southern California campuses, followed by Mexican-Americans as the second highest in headcount numbers, and non-resident aliens in a

Total FA2013 Headcount		
CSU Campus	Headcount	Percent of headcount
Dominguez Hills	1,639	7%
Fullerton	4,233	18%
Long Beach	4,028	17%
Los Angeles	3,043	13%
Northridge	3,722	16%
Pomona	1,075	5%
San Bernardino	1,735	7%
San Diego	3,911	16%
San Marcos	348	1%
Total	23,734	100%

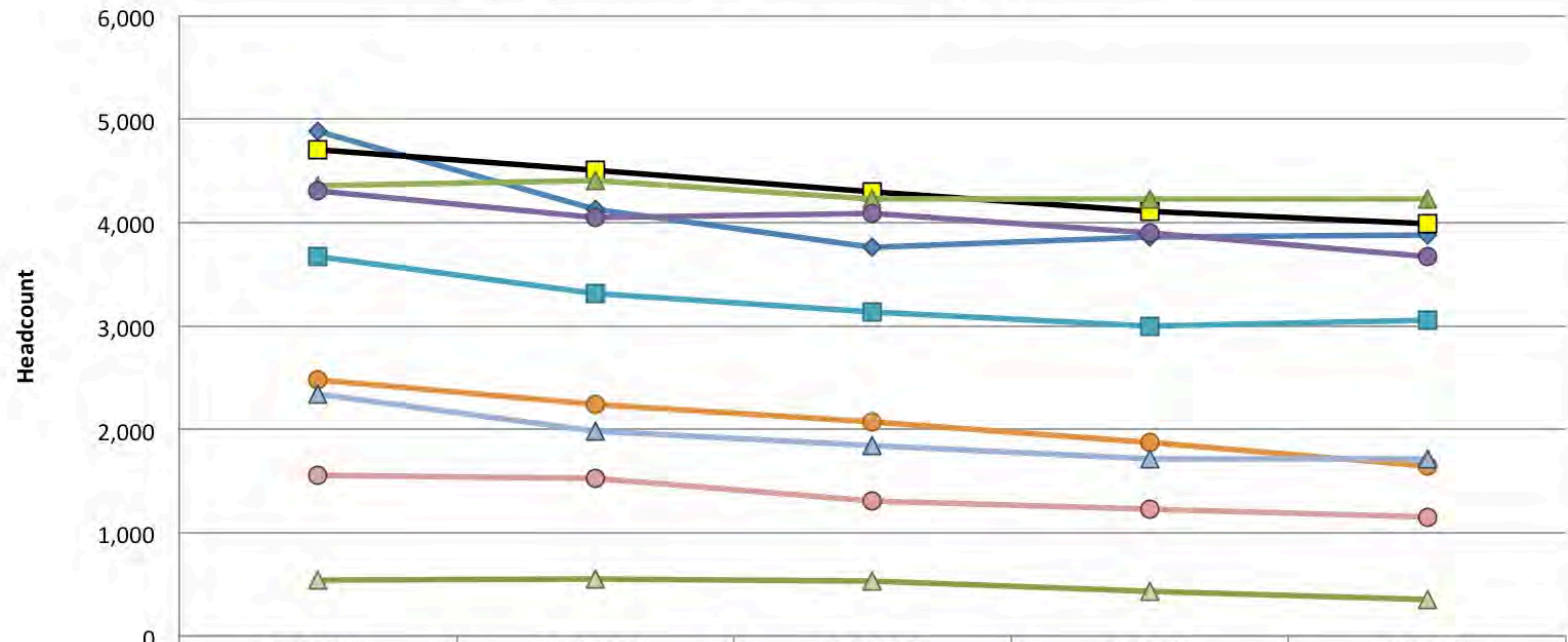
Total FA2013 Headcount among 9 CSUs		
College & Related fields	Headcount	Percent of headcount
CBA	2,018	9%
CED	4,685	20%
CHHS	6,497	27%
CLA	4,555	19%
CNSM	1,618	7%
COE	3,492	15%
COTA	869	4%
Total	23,734	100%

close tie with Asian Americans as the third highest (Figure 2-3).

The headcount numbers by gender in fall 2014 showed that females outnumbered males on all CSU campuses except Pomona where men outnumbered women by 6% (Figure 2-4). Each of the CSU campus experienced different rates of disparity between their male and female populations; however females outnumbered males by an average of 23%. CSU Long Beach demonstrated the largest female headcount at 2,409 for fall 2013, although they ranked sixth in percentage points for a female dominated campus population.

With a headcount of 2,409 women, CSU Long Beach has the largest number of women in graduate programs

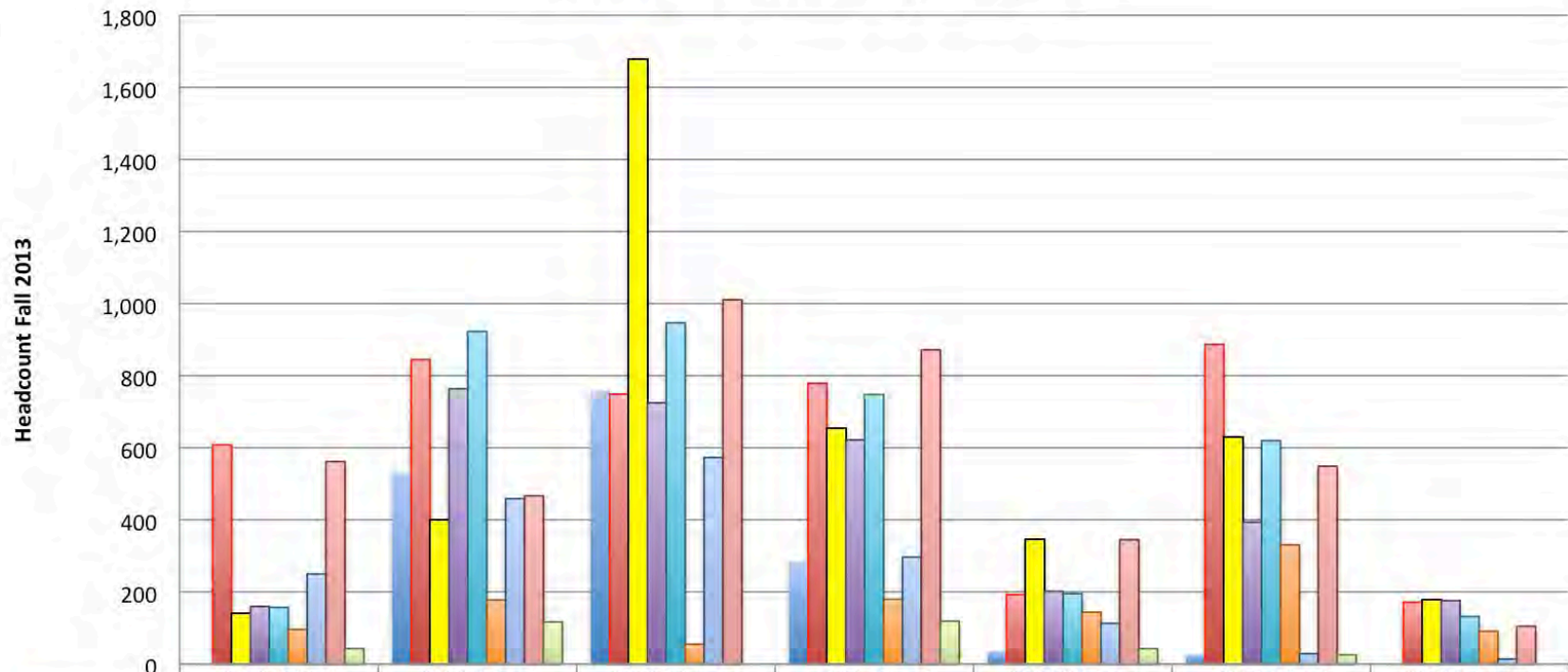
Headcount Trend for Masters Degrees



	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013
San Diego	4,887	4,125	3,759	3,859	3,883
Long Beach	4,700	4,506	4,297	4,113	3,985
Fullerton	4,356	4,404	4,231	4,226	4,227
Northridge	4,309	4,050	4,086	3,897	3,667
Los Angeles	3,675	3,316	3,132	2,998	3,051
Dominguez Hills	2,483	2,242	2,075	1,870	1,639
San Bernardino	2,341	1,979	1,838	1,711	1,714
Pomona	1,554	1,521	1,301	1,228	1,151
San Marcos	542	548	535	435	348

Figure 2-1: Headcount Trend for Master’s Degrees among CSU Campuses

Masters Headcount by College



	CBA & Related	CED & Related	CHHS & Related	CLA & Related	CNSM & Related	COE & Related	COTA & Related
Dominguez Hills	2	531	759	284	36	27	0
Fullerton	608	845	749	779	193	887	172
Long Beach	140	401	1,678	654	347	629	179
Los Angeles	160	764	725	622	202	394	176
Northridge	157	923	947	748	195	620	132
Pomona	96	178	55	180	144	331	91
San Bernardino	250	459	573	297	113	29	14
San Diego	562	467	1,011	872	345	549	105
San Marcos	43	117	0	119	43	26	0

Figure 2-2: Headcount for Master’s Degrees among Related Colleges in CSU Campuses

Masters Headcount by Ethnicity

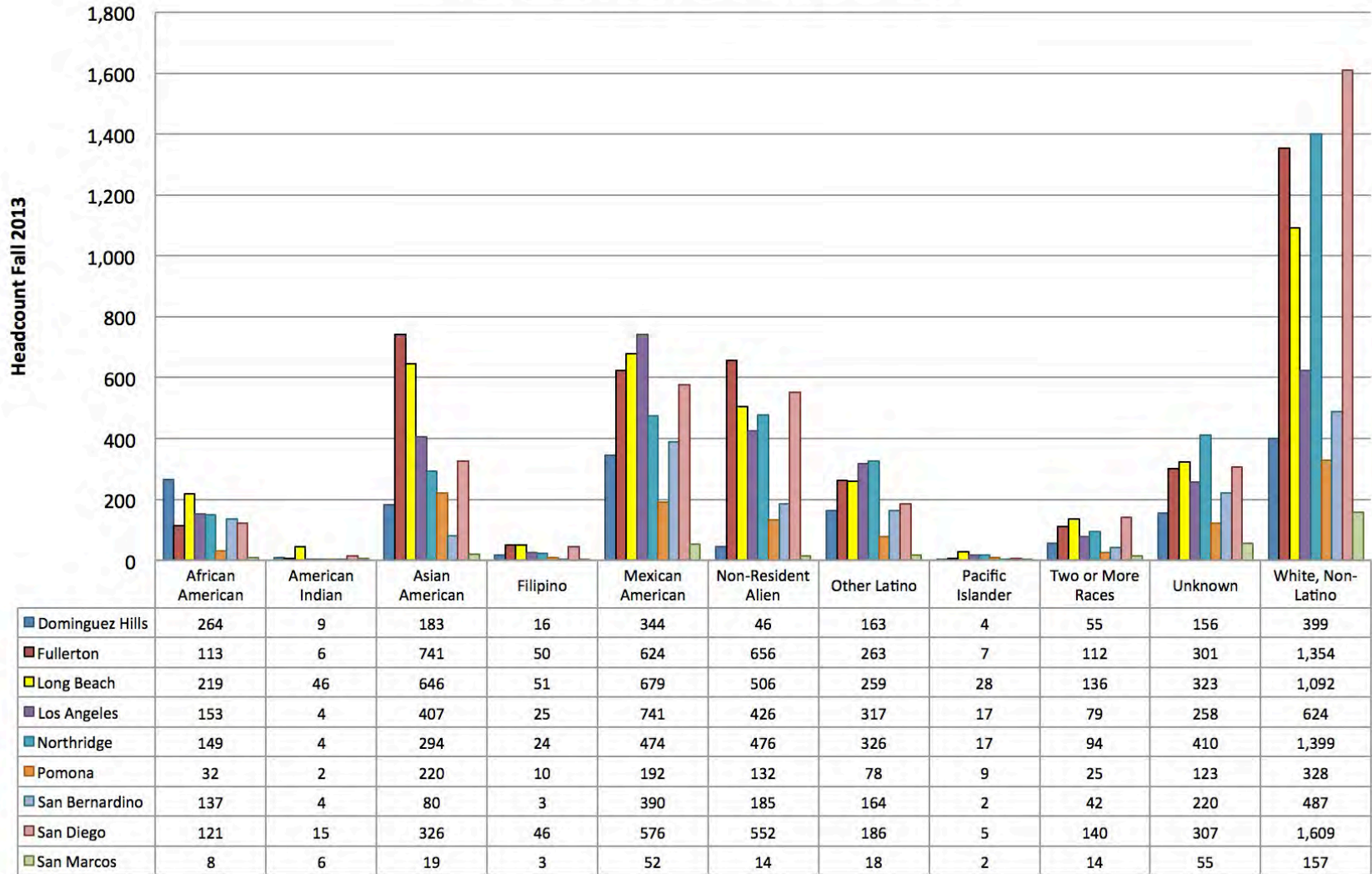


Figure 2-3: Headcount by Ethnicity among CSU Campuses

Masters Headcount by Gender

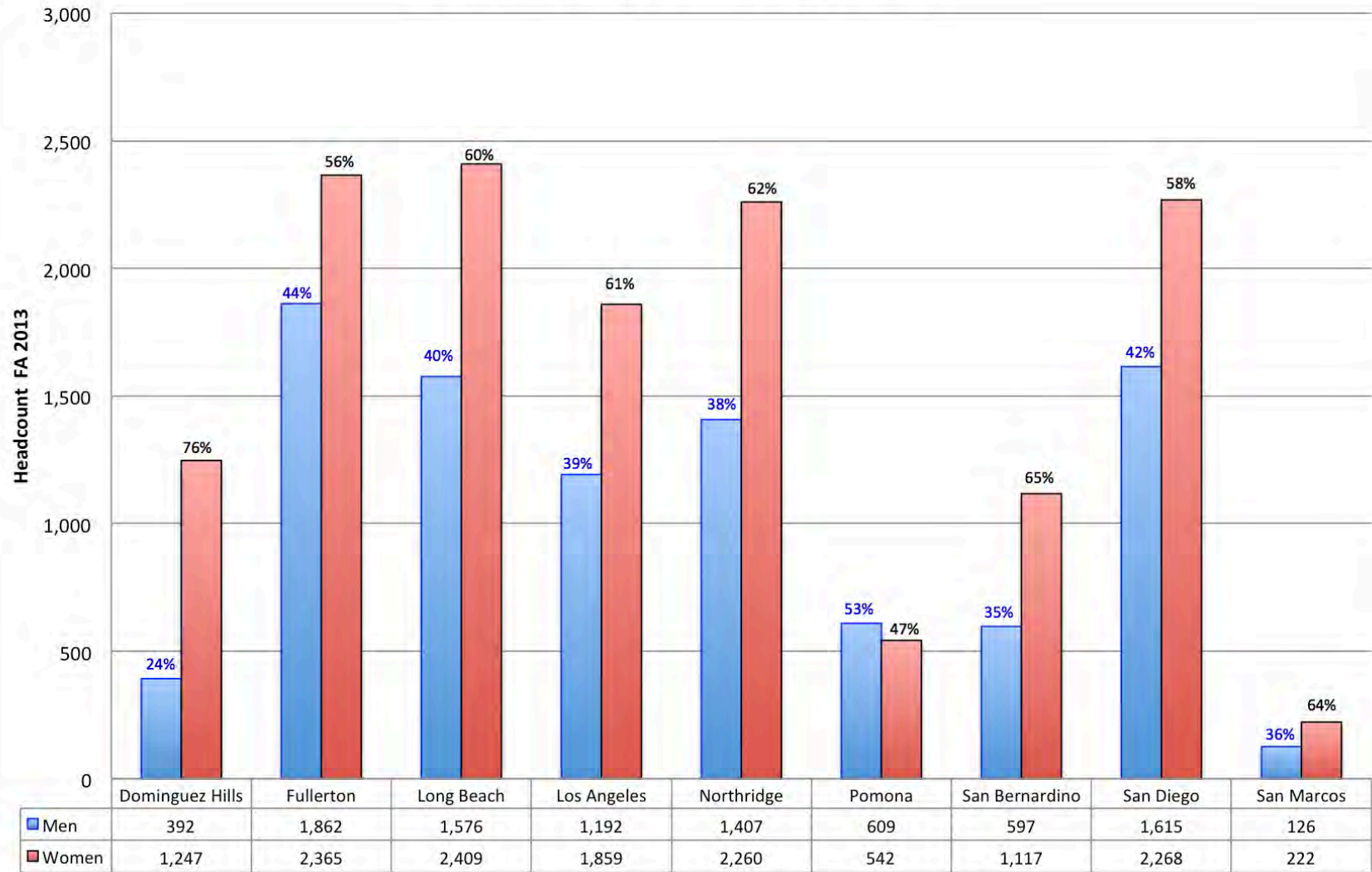


Figure 2-4: Headcount by Gender among CSU Campuses

3. Degrees Awarded

The data on degrees awarded was collected for all nine campuses for the time period between the college years of 2009 through 2013 using data provided by the CSU Chancellor's Office. The organization of graduate programs and colleges varies by campus. For the purposes of this study, the graduate programs are compared based on the college structure represented at CSU Long Beach.

Unlike the graduation rates measured in the cohort model, the degrees awarded data is used to understand the physical number of degrees conferred to students graduating with master's degrees. In 2013, the nine CSU campuses awarded a total of 9,941 degrees. In comparing the numbers of degrees awarded by campus, the percentage of degrees awarded from highest to lowest came from CSU Northridge (20%), San Diego (18%), Long Beach (17%), Fullerton (15%), Los Angeles (11%), Dominguez Hills (8%), San Bernardino (6%), Pomona (4%), and San Marcos (2%) (Figures 3-1 and 3-2).

In comparing the numbers of degrees awarded within the colleges, the percentage of degrees awarded from highest to lowest came from the College of Health and Human Services (31%), College of Education (21%), College of Liberal Arts (17%), College of Engineering (12%), College of Business Administration (11%), College of Natural Sciences and Mathematics (5%), and the College of the Arts (4%) (Figures 3-1 and 3-3).

From 2009 through 2014, five out of nine campuses experienced an overall decline in the number of degrees awarded (Dominguez Hills, Long Beach, Los Angeles, San Bernardino, and San Diego), while the other four campuses experienced an overall increase in the number of degrees awarded (Fullerton, Northridge, Pomona, San Marcos). In general, CSU Northridge experienced the overall highest increase while CSU Los Angeles experienced the overall highest decrease in degrees awarded (Figure 3-2).

The CSU Long Beach graduate programs have experienced a decreasing headcount trend by about 15% while the degrees awarded have also decreased by about 7% from 2009 to 2014.

The ethnic category of white, non-Latinos demonstrated 32% of the highest average number of master's degrees awarded during the college year 2013 to 2014 for all nine campuses. Following the white, non-Latinos, the Unknown and Mexican-American ethnic categories demonstrated an approximate average of 15% each for master's degrees awarded. Northridge exhibited the highest number of degrees awarded in the Unknown category at 691, which was higher than their headcount number of 410 for the same category during fall 2013. The subsequent ethnic categories received the next highest percentage of awarded master's degrees in the college year 2013 to 2014 for all nine campuses: Asian Americans (13%), Non-Resident Alien (11%), Other Latino (6%), African Americans (5%),

Two or More Races (3%), Pacific Islander (0.3%), American Indian (0.3%), and Filipino (0.02%) (Figure 3-4).

During the college year 2013 to 2014, females outnumbered males on all nine campuses in the numbers of master's degrees awarded (Figure 3-5). Overall females were awarded more master's degrees than their male counterparts. Each CSU campus experienced different rates of disparity between their male and female populations, however on average females outnumbered males by 23%, which is consistent with the headcount data by gender. In the case of CSU Pomona, where males outnumbered females in headcount numbers, females outnumbered males in degrees awarded.

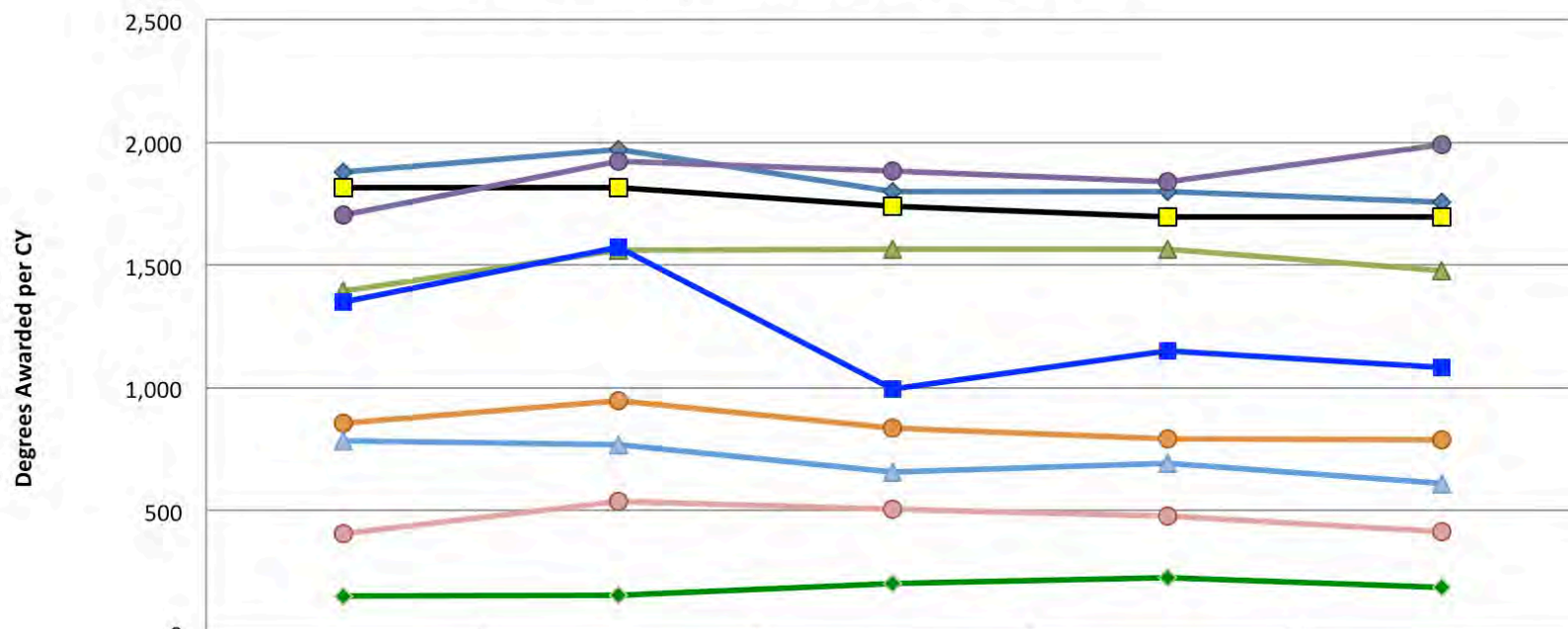
Data on doctoral programs across the CSUs are very limited and not fully developed. While the master's programs provide a more robust data set of degrees awarded, there was no substantial data on degrees awarded that was consistent across all nine campuses for the doctoral programs. Although Figure 3-6 illustrates some of the data related to the number of doctorates conferred, it is important to capture this information nonetheless, which can then be taken into consideration with other variables such as faculty trends, student to faculty ratios, and thesis submission rates. It is important to note that campuses such as CSU San Diego have a large number of awarded doctoral degrees due to their close partnerships with other universities such as the University of California campuses at San Diego, Santa Barbara, and Davis in addition to the Claremont Graduate University. Further information would

be necessary to holistically understand the trend of doctoral degrees awarded across all nine campuses.

Colleges	Dominguez Hills	Fullerton	Long Beach	Los Angeles	Northridge	Pomona	San Bernardino	San Diego	San Marcos	TOTAL	Percent of Total
CBA & Related	50	233	89	74	98	53	111	313	34	1055	11%
CED & Related	202	347	225	280	393	54	193	319	79	2092	21%
CHHS & Related	308	251	703	306	856	28	178	453	17	3100	31%
CLA & Related	171	229	249	190	294	79	94	361	29	1696	17%
CNSM & Related	16	70	118	55	74	29	18	98	8	486	5%
COE & Related	40	280	222	112	210	106	13	152	18	1153	12%
COTA & Related	0	66	74	66	67	39	3	44	0	359	4%
TOTAL	787	1476	1680	1083	1992	388	610	1740	185	9941	100%
Percent of Total	8%	15%	17%	11%	20%	4%	6%	18%	2%	100%	

Figure 3-1: Master's Degrees Awarded by Campus and by Colleges Respective to CSULB during CY 2013-14

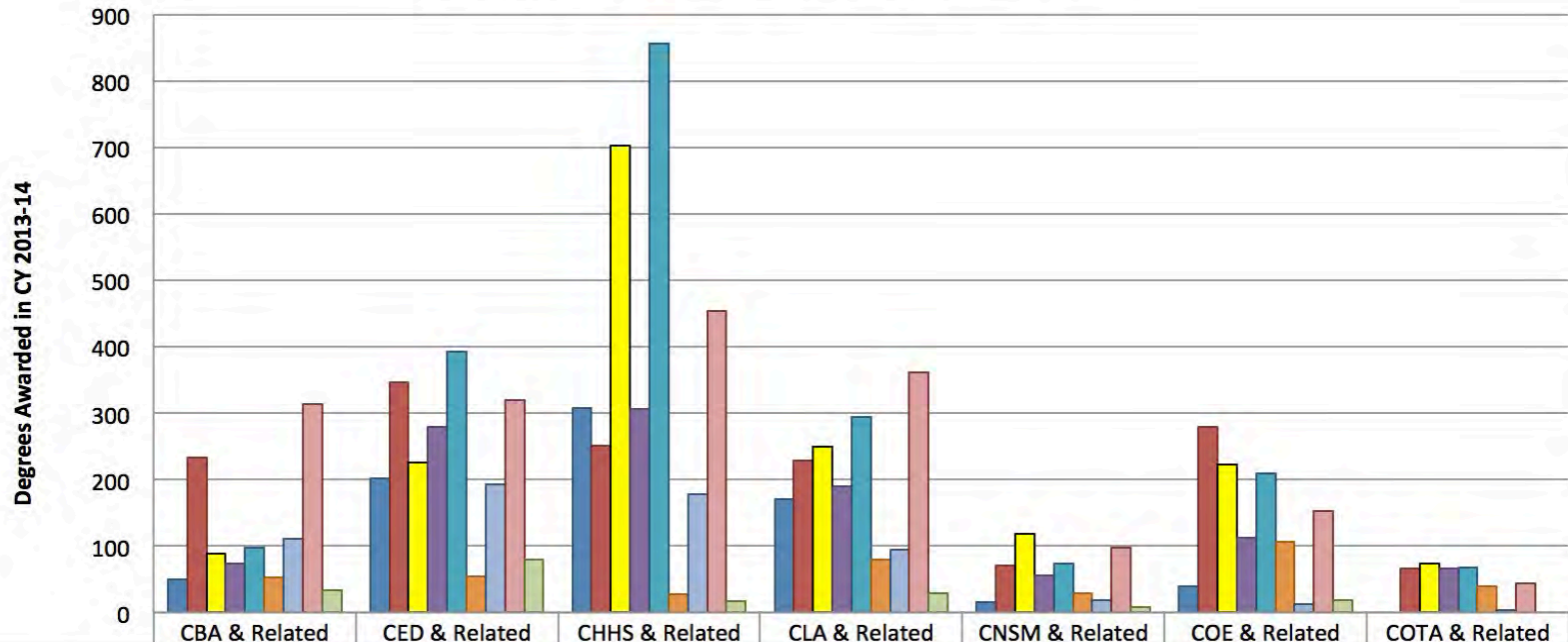
Masters Degrees Awarded by Campus



	Cy 2009-10	Cy 2010-11	Cy 2011-12	Cy 2012-13	Cy 2013-14
San Diego	1,879	1,972	1,799	1,798	1,756
Long Beach	1,816	1,816	1,740	1,696	1,696
Fullerton	1,394	1,562	1,565	1,566	1,476
Northridge	1,702	1,922	1,885	1,838	1,992
Los Angeles	1,351	1,571	994	1,152	1,083
Dominguez Hills	856	948	836	793	787
San Bernardino	784	768	654	690	610
Pomona	403	536	505	475	414
San Marcos	151	152	202	226	185

Figure 3-2: Master’s Degrees Awarded by Campus

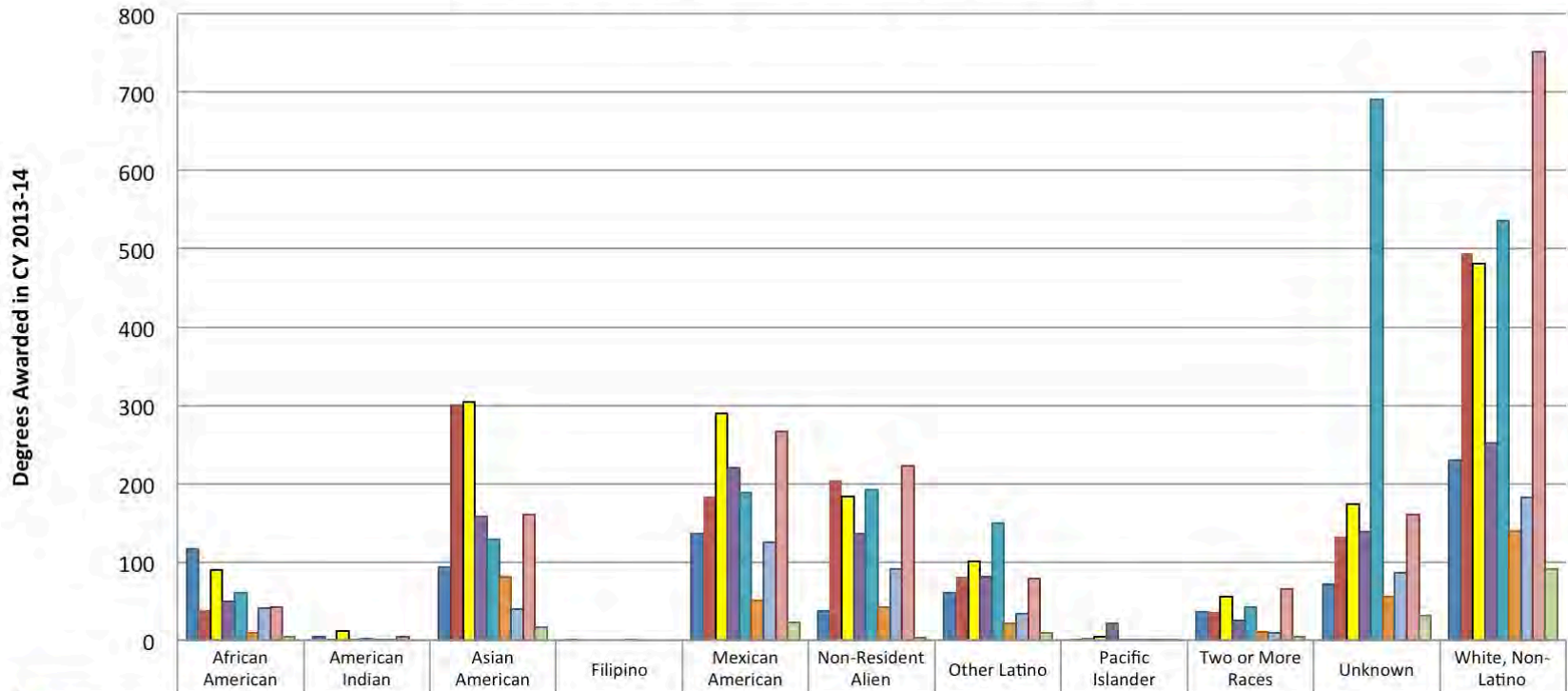
Masters Degree Awarded by College



	CBA & Related	CED & Related	CHHS & Related	CLA & Related	CNSM & Related	COE & Related	COTA & Related
Dominguez Hills	50	202	308	171	16	40	0
Fullerton	233	347	251	229	70	280	66
Long Beach	89	225	703	249	118	222	74
Los Angeles	74	280	306	190	55	112	66
Northridge	98	393	856	294	74	210	67
Pomona	53	54	28	79	29	106	39
San Bernardino	111	193	178	94	18	13	3
San Diego	313	319	453	361	98	152	44
San Marcos	34	79	17	29	8	18	0

Figure 3-3: Master’s Degrees Awarded by College and Related Fields

Masters Degree Awarded by Ethcinity



	African American	American Indian	Asian American	Filipino	Mexican American	Non-Resident Alien	Other Latino	Pacific Islander	Two or More Races	Unknown	White, Non-Latino
Dominguez Hills	117	4	93	1	136	37	61	1	36	71	230
Fullerton	39	2	300	0	184	204	81	3	36	133	494
Long Beach	90	12	304	0	290	184	101	4	56	174	481
Los Angeles	50	1	158	0	220	136	81	21	25	139	252
Northridge	60	2	129	0	189	192	150	1	42	691	536
Pomona	9	1	81	1	51	42	22	1	10	56	140
San Bernardino	41	1	40	0	125	91	34	1	9	86	182
San Diego	42	4	161	0	267	223	79	1	66	161	752
San Marcos	5	0	17	0	23	3	9	1	5	31	91

Figure3-4: Master’s Thesis Awarded by Ethnicity

Masters Degrees Awarded by Gender

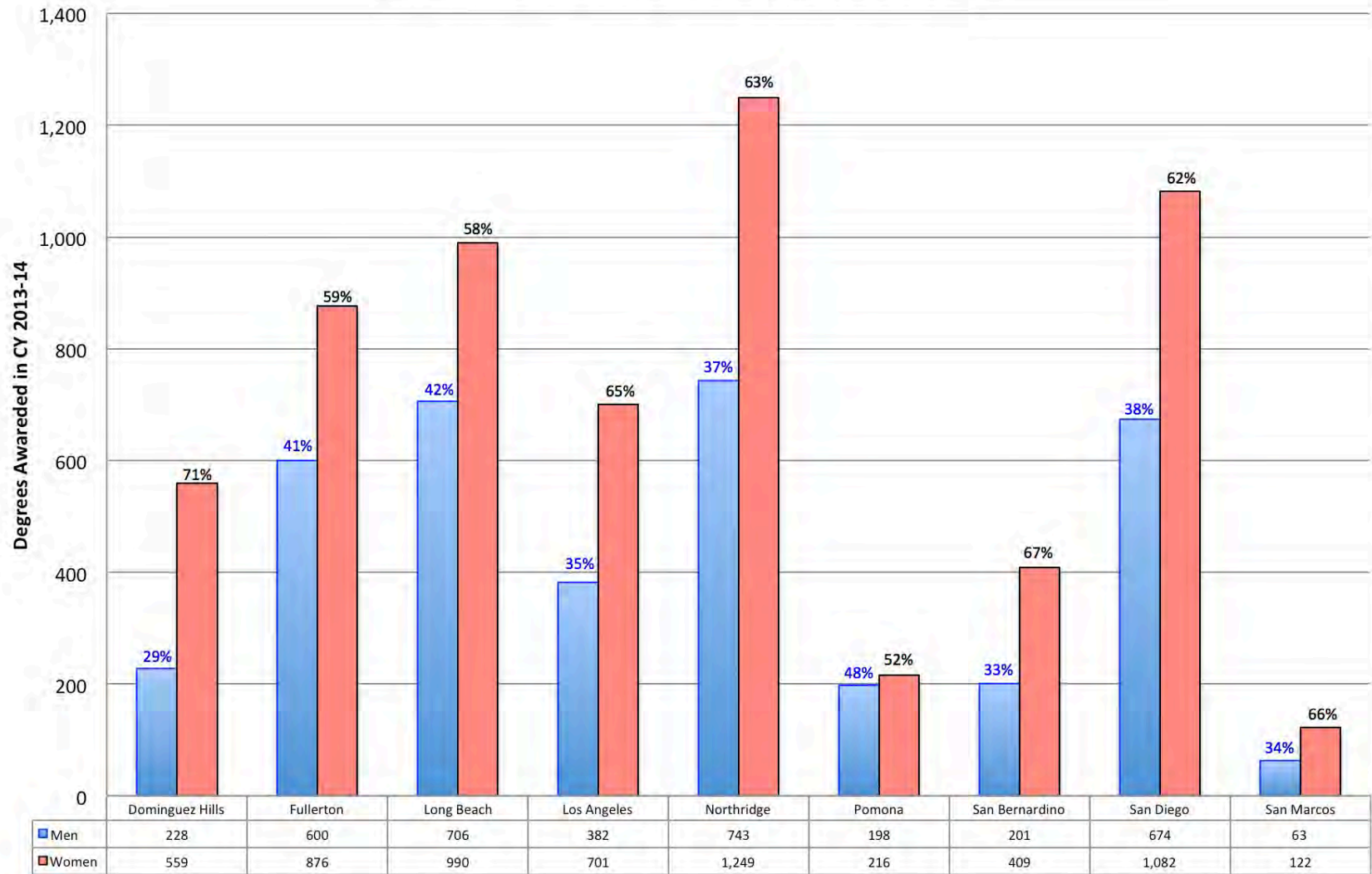
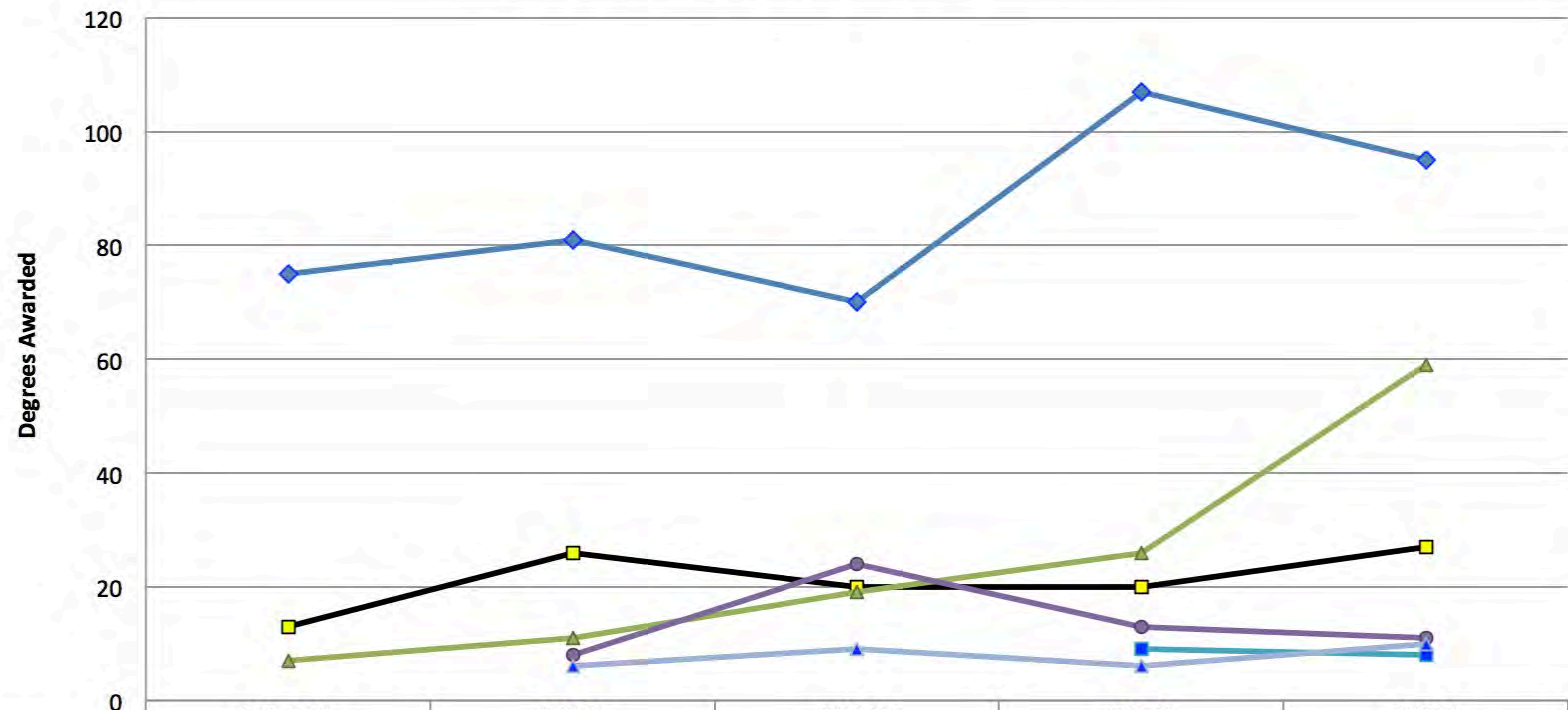


Figure 3-5: Master’s Thesis Awarded by Gender

Doctoral Degrees Awarded



	2009-2010	2010-11	2011-12	2012-13	2013-14
San Diego	75	81	70	107	95
Long Beach	13	26	20	20	27
Fullerton	7	11	19	26	59
Northridge		8	24	13	11
Los Angeles				9	8
Dominguez Hills					
San Bernardino		6	9	6	10
Pomona					
San Marcos					

Figure 3-6: Doctoral Degrees Awarded

4. Graduation Rates

The data on graduation rates was collected for CSU Long Beach through the Institutional Research website²⁷ for the period of 2003 through 2012. Data for sister CSUs were not readily available. Hence, this section is primarily focused on CSU Long Beach graduation and retention rates within the cohort model.

The number of graduate students entering CSU Long Beach each fall has been relatively steady for the past decade with a University total of about 2,000 students admitted each fall semester. At CSU Long Beach in 2003, the admission cohort was 2,181 and has remained relatively steady through most of the years, except in 2005 when it dropped to 1,878. In 2011, the cohort dropped for the first time to the lowest level of 1,795. This cohort count does not account for spring admissions. Typically, graduate programs also admit students in the spring; hence this number needs to be accounted for a complete analysis on admission cohort.

For the purpose of this study, three categories were established to portray the graduation and retention rates. For example, 2-year graduation rates signify the number of graduate students graduating within their first and second year of enrollment in their master's program. The 3rd year graduate rates signify the number of graduate students graduating only within the third year of their enrollment in the master's program. Finally, the 3-year persistence rates

signify the number of graduate students continuing in their master's program in the fourth year and beyond.

From fall 2003 to fall 2012, the 2-year graduation rates for CSU Long Beach students averaged 26%. During that same time period, the 3rd year graduation rates averaged 20%, while persistence beyond the 3rd year averaged 11% (Figure 4-1). Over the past decade, on average more than 40% of the students who enrolled in a graduate program never completed the program they started at CSU Long Beach. The number of students who graduated within 3 years has been below 50% for the 2003 through 2010 cohorts, and reached a high of about 53% for the first-time with the 2011 cohort.

The highest graduation rates were demonstrated by international students, or visa holding non-U.S. citizens from fall 2003 through fall 2012. Even though they are typically less than 10% of the total fall admission pool, and steadily growing, their average 2-year rates have been approximately 30%, while their 3rd year graduation rates have been approximately 36% with an average persistence

On average, 26% of the graduate students graduated in 2-years at CSU Long Beach. An additional 20% graduated in the 3rd year. On average, 11% of the students continue to persist beyond the 3rd year. However, over 40% of the graduate students never complete the degree they started at CSU Long Beach.

²⁷ http://daf.csulb.edu/offices/univ_svcs/institutionalresearch/dashboard/

rate beyond the third year at 15%. More recently the cohorts from fall 2009 through fall 2011 demonstrated a steady increase beyond 80% (Figure 4-2).

The graduation rates vary dramatically among colleges at CSU Long Beach. In general, the seven colleges including the undeclared population demonstrated a total combined average of approximately 25% for 2-year graduation rates, with an average of approximately 28% for 3rd year graduation rates, and an average of approximately 14% for persistence beyond the third year (Figure 4-3). The College of Education had the highest graduation rates for 2-year (45.2%) and 3rd year (37.1%) during the fall of 2011. At the same time, the College of Health and Human Sciences demonstrated the second highest 2-year graduation rates at 43.7%, while the College of Liberal Arts demonstrated the third highest 2-year graduation rate at 26.6%. Persistence beyond the third year is the largest in the College of the Arts at a rate of 32.2% even though the cohort size is relatively small.

The average time to degree for CSU Long Beach graduate programs is provided in Tables 4-1 through 4-3. For the past three years, CSU Long Beach has averaged

CSULB Time to Degree by College (Yrs)			
	2010-11	2011-12	2012-13
CHHS	2.7	2.6	2.6
CLA	3.3	3.3	3.3
CBA	2.3	2.4	2.2
CED	2.7	2.5	2.6
COE	2.8	2.8	2.8
COTA	3.4	3.1	2.9
CNSM	3.4	3.4	3.4
University	2.8	2.8	2.8

2.8 years to complete the degree. However, the rates among colleges vary significantly from as low as 2.2 years in the College of Business, to as high as 3.4 years in the College of Natural Sciences and Mathematics. Time to degree only takes into account students who have successfully graduated. Hence, it does not include students who did not complete the degree program.

CSULB Graduate Level Graduation & Retention Rates - University Total

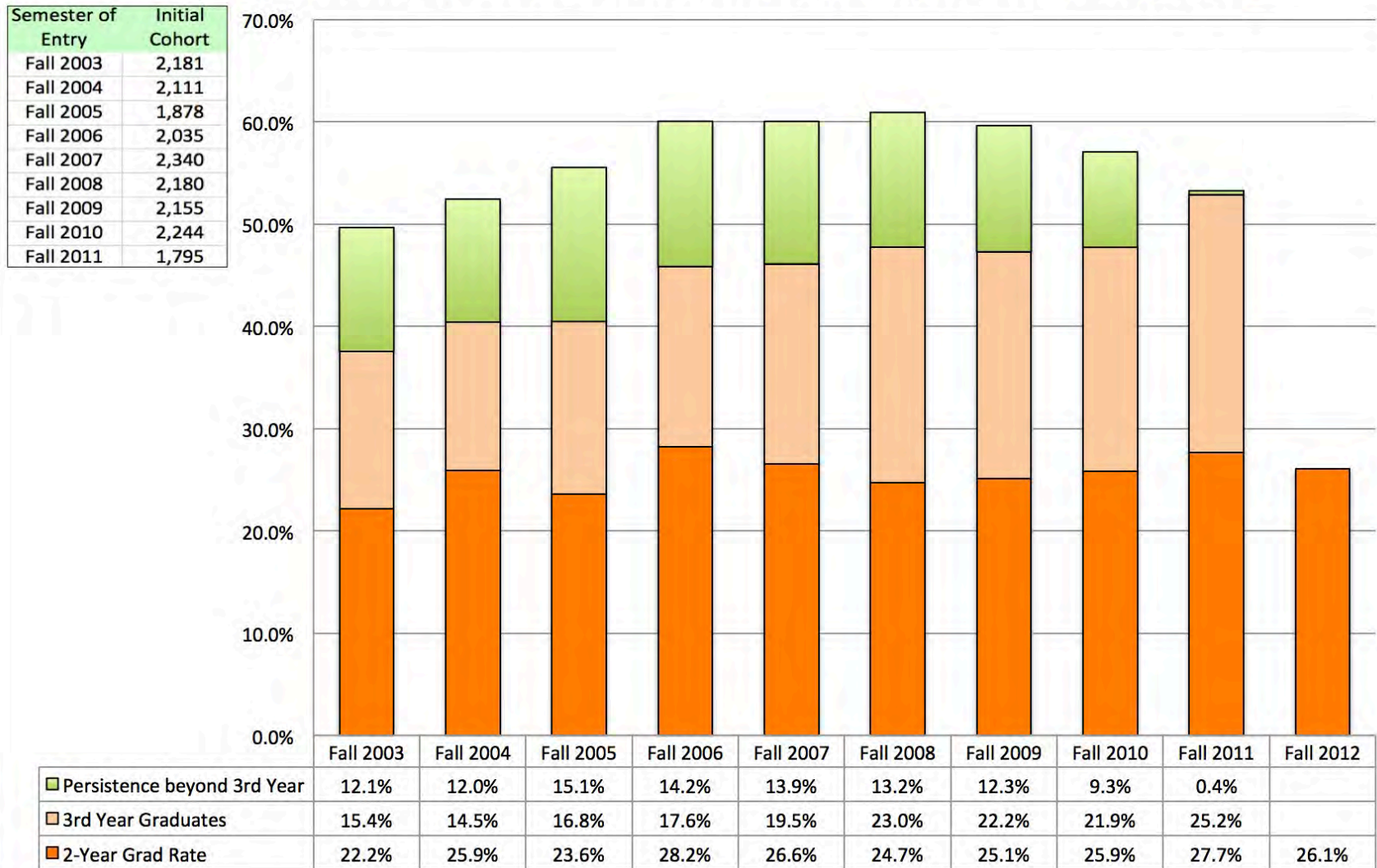
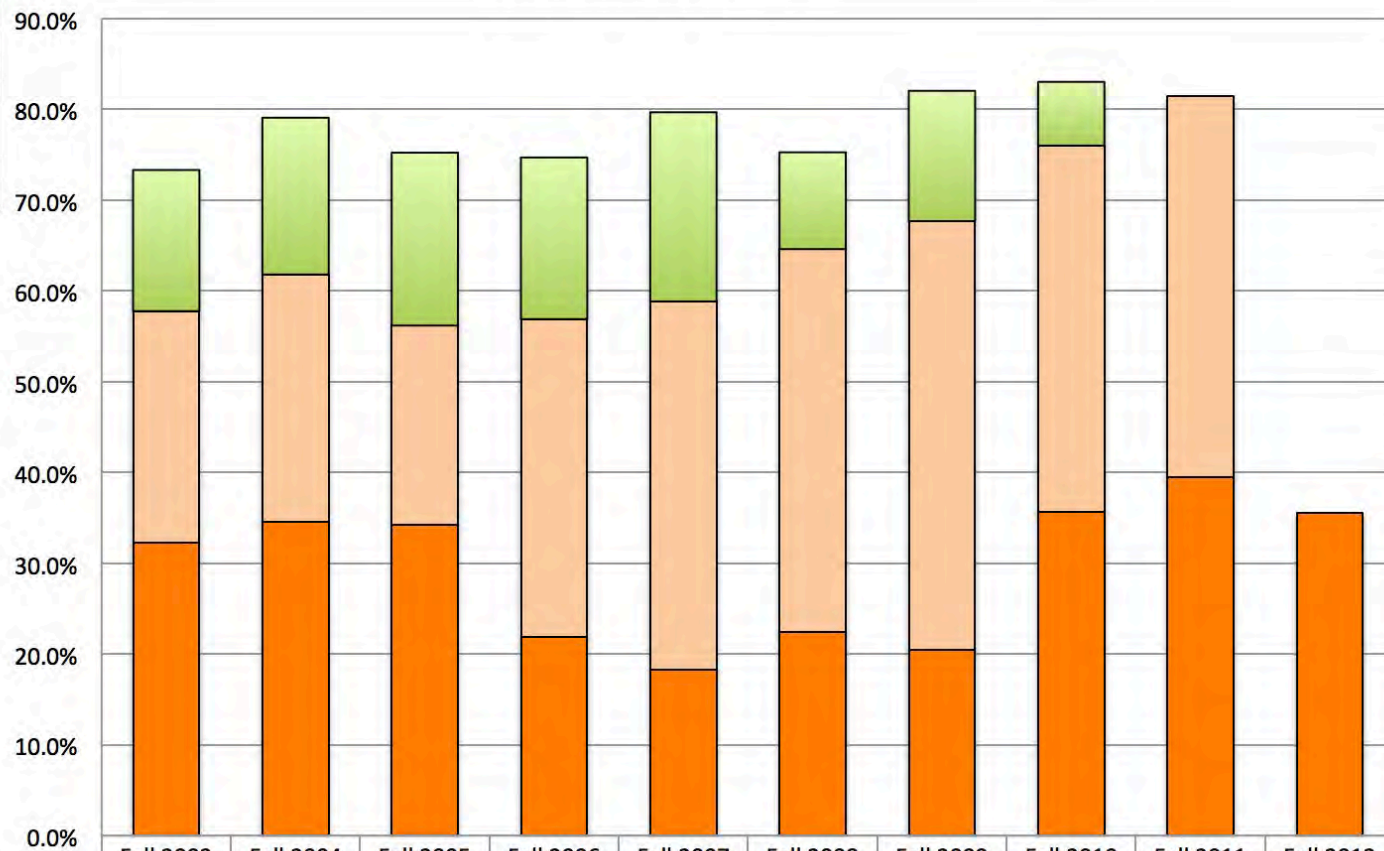


Figure 4-1: CSULB Graduate Level Graduation and Retention Rates

CSULB Visa non-US Citizen Graduation & Retention Rates University Total

Semester of Entry	Initial Cohort
Fall 2003	90
Fall 2004	110
Fall 2005	105
Fall 2006	174
Fall 2007	192
Fall 2008	178
Fall 2009	195
Fall 2010	171
Fall 2011	124



	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010	Fall 2011	Fall 2012
■ Persistence beyond 3rd Year	15.6%	17.3%	19.1%	17.8%	20.8%	10.7%	14.4%	7.0%	0.0%	
■ 3rd Year Graduates	25.6%	27.3%	21.9%	35.1%	40.6%	42.1%	47.2%	40.4%	41.9%	
■ 2-Year Grad Rate	32.2%	34.6%	34.3%	21.8%	18.2%	22.5%	20.5%	35.7%	39.5%	35.6%

Figure 4-2: CSULB Visa non-U.S. Citizen Graduation and Retention Rates

CSULB College Graduation & Retention Rates - FA 2011 Cohort

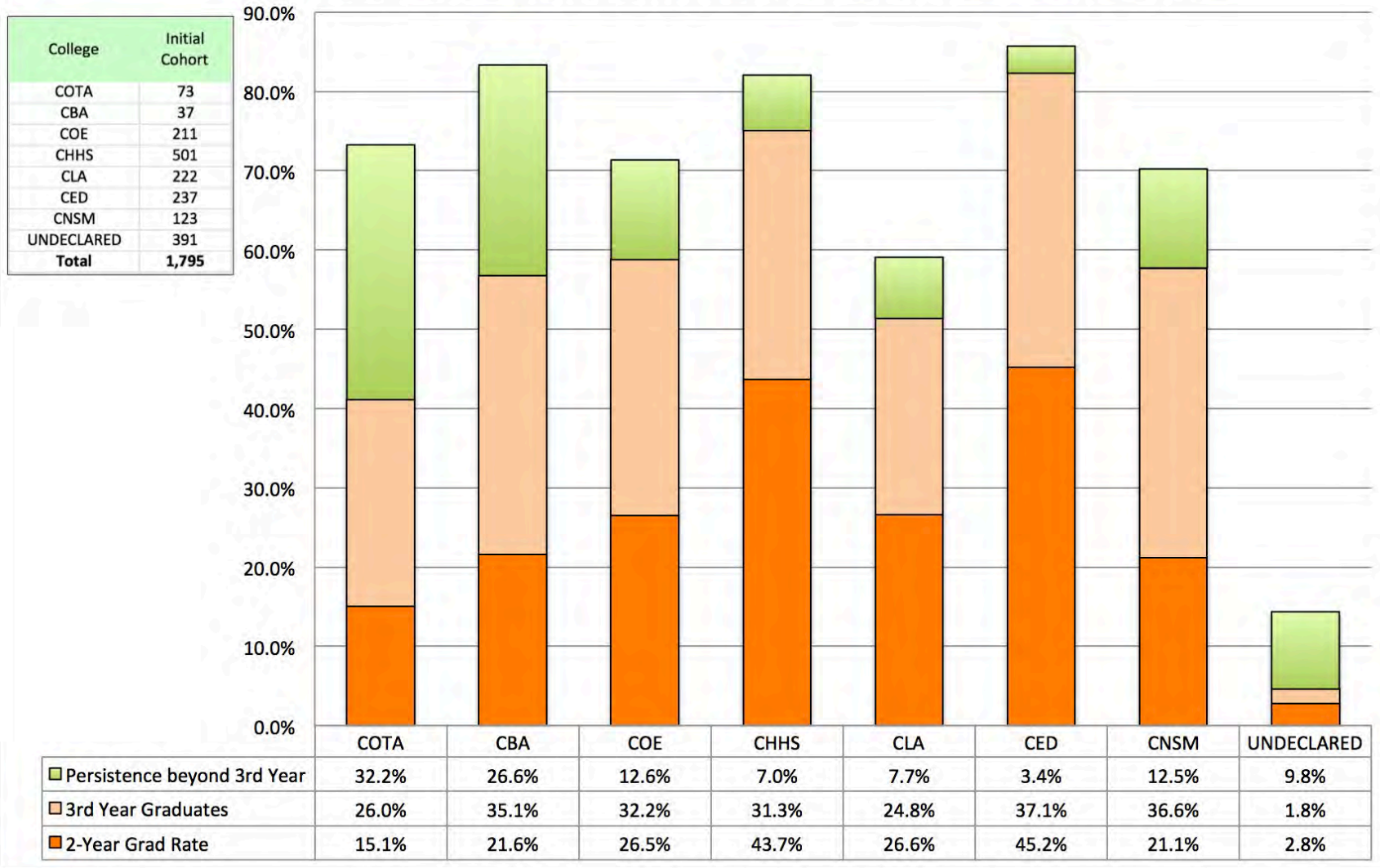


Figure 4-3: CSULB College Graduation and Retention Rates

**CSULB - Average Graduate Time to Degree by Program
2010/2011-2012/2013 Academic Years**

Note: Percent= Number of graduate students in program (i.s Social Work MS) / total number of graduate students in that college (i.e Health and Human Services Total). For example, 6.1 percent of students who graduated in 2010/2011 were in the communicative disorders MA program in the college of Health & Human Services

College	Program	2010-2011				2011-2012				2012-2013			
		N	%	Average Time to Degree	Average Units at Graduation	N	%	Average Time to Degree	Average Units at Graduation	N	%	Average Time to Degree	Average Units at Graduation
Health & Human Services	Communicative Disorders MA	47	6.1%	2.9	56.3	37	5.7%	3.2	63.7	15	2.1%	3.4	56
	Communicative Disorders MA E	1	0.1%	3.5	51	0	0.0%	0	0	0	0.0%	0	0
	Criminal Justice MS	12	1.6%	2.7	38.9	11	1.7%	2.4	41	6	0.9%	2.2	42.2
	Criminal Justice MS Ext	1	0.1%	3	47	0	0.0%	0	0	0	0.0%	0	0
	Emergency Services Admin MS	57	7.4%	3.3	37.1	21	3.3%	3	36.4	16	2.3%	3.4	37.1
	Emergency Services Admin MS E	1	0.1%	3.5	31	0	0.0%	0	0	0	0.0%	0	0
	Family & Consumer Sciences MA	1	0.1%	2	37	1	0.2%	1	99	0	0.0%	0	0
	Gerontology MS	9	1.2%	3.7	47.7	10	1.6%	3.7	45.7	8	1.1%	2.7	46.3
	Health Care Adm MS	36	4.7%	2.7	45.9	44	6.8%	2.6	46.3	57	8.1%	3.3	46.8
	Health Care Admin MS Ext	0	0.0%	0	0	0	0.0%	0	0	1	0.1%	3	47
	Health Sci: Comm Hlth Educ MPH	23	3.0%	2.2	43.5	24	3.7%	1.6	42.5	18	2.6%	1.9	45.8
	Health Science MS	0	0.0%	0	0	2	0.3%	2	47.5	0	0.0%	0	0
	KPE Exer Physiology & Nutr MS	1	0.1%	2.5	46	3	0.5%	3.2	56	2	0.3%	3.8	44.5
	KPE Exercise Science MS	5	0.6%	4.1	41.2	4	0.6%	2.9	39.3	10	1.4%	2.9	42.6
	KPE Sport Exercise Psych MS	4	0.5%	3	37.9	6	0.9%	2.7	40	2	0.3%	2.8	39
	KPE Sports Med Injury Stds MS	1	0.1%	2.5	69	9	1.4%	2.6	39	3	0.4%	2.7	39
	MS Direct Entry MSN	22	2.8%	3.4	110	19	2.9%	3.1	115.9	23	3.3%	3.6	113.8
	NRSRG Hlth Care Adm MSN/MSHCA	2	0.3%	7	67.5	8	1.2%	2.5	63.3	3	0.4%	5.3	61.7
	NRSRG and Public Health MSN/MPH	4	0.5%	2.6	62.3	3	0.5%	3.5	57.7	8	1.1%	3.3	62.1
	Nursing Acute Care Clin Spec MS	10	1.3%	3.7	49.8	8	1.2%	2	51.8	6	0.9%	3.4	65
	Nursing MS	81	10.5%	2.3	39.6	49	7.6%	2.7	43.7	68	9.7%	2.8	43.1
	Nursing MS Ext	1	0.1%	2	38	0	0.0%	0	0	0	0.0%	0	0
	Nutritional Sci (Dietetic) MA	5	0.6%	4.9	61.6	3	0.5%	4	54	9	1.3%	3.1	50.3
	Nutritional Science MA	2	0.3%	2.3	35.5	2	0.3%	3.5	37	12	1.7%	3.7	69.8
	Occupational Studies MA	29	3.8%	2.8	41.9	6	0.9%	2.4	37.5	0	0.0%	0	0
	PE Adapted Phys Educ MA	1	0.1%	4	62	2	0.3%	2	52	0	0.0%	0	0
	PE Coaching MA	1	0.1%	5	44	3	0.5%	2	36	1	0.1%	2.5	76
	PE Indiv Progr Genl Areas MA	1	0.1%	3.5	105	7	1.1%	1.6	63.1	7	1.0%	1.9	73.4
	PE Pedagogical Studies MA	5	0.6%	1.9	53.6	1	0.2%	3	72	1	0.1%	0.5	51
	PE Pedagogical Studies MA Ext	0	0.0%	0	0	1	0.2%	2.5	86	0	0.0%	0	0
	PE Sports Management MA	60	7.8%	1.7	36.4	55	8.5%	1.8	36.3	64	9.1%	1.7	36.3
	PE Sports Management MA Ext	0	0.0%	0	0	0	0.0%	0	0	1	0.1%	2	36
	PPA Public Works MPA	1	0.1%	2.5	36	2	0.3%	5	39	1	0.1%	2.5	39
	PPA Urban Affairs MPA	10	1.3%	3.2	38.1	12	1.9%	2.3	41.5	18	2.6%	2.1	41.7
	Physical Therapy MPT	33	4.3%	3.3	98.8	31	4.8%	3.3	95.6	27	3.8%	3.3	98
	Public Administration MPA	93	12.0%	2.6	38.7	95	14.7%	2.8	38.4	110	15.6%	2.3	39.7
	Public Administration MPA Ext	0	0.0%	0	0	0	0.0%	0	0	1	0.1%	2	39
	Recreation Administration MS	11	1.4%	4.5	38.2	3	0.5%	4.5	40.3	7	1.0%	5.9	42.9
	Social Work MSW	201	26.0%	2.6	58.3	162	25.1%	2.5	55.7	199	28.3%	2.4	55.7
	Social Work MSW Ext	0	0.0%	0	0	1	0.2%	3	60	0	0.0%	0	0
	HEALTH & HUMAN SERVICES TOTAL		772	100.0%	2.7	50.7	645	100.0%	2.6	51.6	704	100.0%	2.6

Table 4-1: Average Graduation Time to Degree by Programs in the College of Health and Human Services

CSULB - Average Graduate Time to Degree by Program 2010/2011-2012/2013 Academic Years														
College	Program	2010-2011				2011-2012				2012-2013				
		N	%	Average Time to Degree	Average Units at Graduation	N	%	Average Time to Degree	Average Units at Graduation	N	%	Average Time to Degree	Average Units at Graduation	
Liberal Arts	Anthropology Applied MA	5	2.4%	5.3	42.8	5	2.6%	4.9	42	2	1.0%	4	47.5	
	Anthropology MA	4	2.0%	3.1	38.5	7	3.6%	3.2	36.7	9	4.5%	4.5	45.4	
	Asian Studies MA	5	2.4%	2.9	39	4	2.0%	3	43.5	6	3.0%	3	43	
	Creative Writing MFA	9	4.4%	2	61.1	12	6.1%	2	65.4	11	5.5%	2.1	64.7	
	Economics MA	6	2.9%	2.2	34.3	8	4.1%	2.1	43.1	8	4.0%	2.3	38	
	English MA	54	26.3%	3.4	47.2	49	25.0%	2.9	43.3	30	15.0%	3.4	43.9	
	French MA	3	1.5%	2.5	38.7	4	2.0%	3.3	43.1	11	5.5%	2.5	39.4	
	Geography MA	11	5.4%	4.2	36.2	4	2.0%	5	41.8	4	2.0%	5.8	36.3	
	German MA	7	3.4%	2.9	51	4	2.0%	2.9	43.5	7	3.5%	2.3	45.5	
	Global Logistics MA Ext	8	3.9%	2.3	30.8	7	3.6%	2	30	2	1.0%	1.5	34.5	
	History MA	14	6.8%	4.8	48.9	17	8.7%	5.1	45.1	20	10.0%	3.4	38.1	
	Linguistics General MA	4	2.0%	2.4	48.8	0	0.0%	0	0	4	2.0%	2	42.5	
	Linguistics Lang & Culture MA	1	0.5%	2.5	46	1	0.5%	2	36	1	0.5%	2.5	51	
	Linguistics MA	3	1.5%	3.7	49.3	2	1.0%	3.8	48.5	3	1.5%	3	45	
	Linguistics TESL MA	13	6.3%	3.3	49.6	6	3.1%	4.2	45.5	10	5.0%	3	46.1	
	Philosophy MA	4	2.0%	3.3	36.8	6	3.1%	3.8	43.8	6	3.0%	3.8	35.6	
	Political Science MA	9	4.4%	2.4	34	14	7.1%	2.8	36	6	3.0%	2.5	42.5	
	Psychology General Research MA	11	5.4%	3.5	39.7	4	2.0%	3.1	37.8	14	7.0%	4.5	43.8	
	Psychology Indus Org MA	1	0.5%	4.5	39	8	4.1%	7.2	41.1	4	2.0%	8.3	47.3	
	Psychology: Human Factors MS	3	1.5%	4.7	37.7	4	2.0%	4.1	41.5	7	3.5%	2.7	40.9	
	Psychology: Indust & Organiz MS	5	2.4%	3.2	43.8	4	2.0%	3.1	38.8	4	2.0%	4.4	45.3	
	Religious Studies MA	8	3.9%	4.3	53	7	3.6%	2.8	37.1	11	5.5%	2.5	37.4	
	Spanish MA	4	2.0%	5.4	62.5	8	4.1%	3.4	45.3	6	3.0%	4	50.7	
	Speech Commun General MA	13	6.3%	2.2	35.2	11	5.6%	2.2	30.9	14	7.0%	2.3	32.4	
		LIBERAL ARTS TOTAL	205	100.0%	3.3	44.4	196	100.0%	3.3	42.4	200	100.0%	3.3	42.7
	Business Administration	Business Admin (Sat) MBA E	0	0	0	0	25	23.6%	2	48	22	19.5%	2	48
		Business Administration MBA	145	99.3%	2.3	46.1	81	76.4%	2.5	45.8	91	80.5%	2.3	45.6
		Business Administration MBA E	1	0.7%	2.5	45	0	0.0%	0	0	0	0.0%	0	0
		BUSINESS ADMINISTRATION TOTAL	146	100.0%	2.3	46	106	100.0%	2.4	46.3	113	100.0%	2.2	46.1
Education	Couns-Marriage Family Ther MS	24	7.3%	2.8	69.5	28	8.8%	2.9	70.6	20	7.2%	2.7	69	
	Couns-School Counseling MS	16	4.8%	2.8	52.9	21	6.6%	2.5	52.6	22	7.9%	2.9	52.3	
	Couns-Student Dev Higher Ed MS	20	6.0%	3.9	61	28	8.8%	3.5	56.5	22	7.9%	3.2	57.1	
	Educ Educational Technology MA	21	6.3%	3.6	50.4	16	5.0%	2.5	58.7	13	4.7%	2.4	52.5	
	Educ Elem Curr & Instruct MA	41	12.4%	2.1	55.4	13	4.1%	2.1	54.2	6	2.2%	2	58.5	
	Educ Elem Dual Lang Devl MA	14	4.2%	2.1	51.3	14	4.4%	1.9	47	26	9.3%	2	48.3	
	Educ Elem Early Childhood MA	25	7.6%	2.2	48	41	12.9%	2.2	35.4	25	9.0%	2.7	38	
	Educ Elem Mathematics Educ MA	21	6.3%	1.9	48.5	22	6.9%	2	51.3	11	3.9%	2	57.1	
	Educ Elem Reading/Lang Arts MA	13	3.9%	3.2	57.8	23	7.2%	2.7	53.7	13	4.7%	2.2	56.2	
	Educ Elementary Education MA	1	0.3%	8	69	1	0.3%	8.5	56	0	0.0%	0	0	
	Educ Librarianship MA	5	1.5%	3.5	44.5	8	2.5%	2.3	42.9	5	1.8%	2.7	47.5	
	Educ Secn Curr & Instruct MA	19	5.7%	2.2	58.2	20	6.3%	2.1	57.8	11	3.9%	2	71.5	
	Educ Social & Multic Found MA	19	5.7%	3.1	48.4	17	5.3%	2.6	42.6	22	7.9%	3	46	
	Educ-Educational Psych MA	24	7.3%	2.2	58.9	11	3.5%	2.1	52.1	15	5.4%	3	64.1	
	Educational Administratn MA	22	6.6%	2.4	64.2	13	4.1%	2.5	62.2	19	6.8%	2.3	66.7	
	Elem/Secondary Leadership EdD	7	2.1%	5.9	97.7	8	2.5%	3.2	92	9	3.2%	3.2	81.2	
	Higher Ed Leadership EdD	16	4.8%	4	75.8	10	3.1%	3.2	79.2	14	5.0%	3.2	79.6	
	Special Education MS	23	6.9%	2.3	72	24	7.5%	2.4	65.5	26	9.3%	2.6	76.2	
		EDUCATION TOTAL	331	100.0%	2.7	58.7	318	100.0%	2.5	55.2	279	100.0%	2.6	59.1

Table 4-2: Average Graduation Time to Degree by Programs in the Colleges of Liberal Arts, Business Administration, and Education

CSULB - Average Graduate Time to Degree by Program														
2010/2011-2012/2013 Academic Years														
College	Program	2010-2011				2011-2012				2012-2013				
		N	%	Average Time to Degree	Average Units at Graduation	N	%	Average Time to Degree	Average Units at Graduation	N	%	Average Time to Degree	Average Units at Graduation	
Engineering	Aerospace Engineering MS	10	3.9%	2.7	36.9	10	4.0%	4	41	12	5.0%	2.5	39.3	
	Civil Engineering MS	31	12.1%	2.2	36.1	41	16.4%	2.6	36.2	44	18.2%	2.5	34.3	
	Computer Engineering MS	13	5.1%	3.3	35.8	18	7.2%	3.3	35.1	10	4.1%	3.3	34.4	
	Computer Science MS	45	17.5%	3.2	36.7	65	26.0%	2.8	35.4	79	32.6%	3	36.1	
	Electrical Engineering MS	101	39.3%	3	34.3	76	30.4%	2.8	34.8	56	23.1%	2.8	38.7	
	Engineering MS	30	11.7%	2.1	34.7	19	7.6%	1.9	33.5	18	7.4%	2	36.1	
	Mechanical Engineering MS	27	10.5%	2.8	38.3	21	8.4%	2.8	39.9	23	9.5%	3.1	44.6	
	ENGINEERING TOTAL	257	100.0%	2.8	35.6	250	100.0%	2.8	35.8	242	100.0%	2.8	37.3	
Arts	Art MA	7	8.5%	4.6	52.1	7	9.2%	4.9	65.3	6	9.5%	4.1	55.2	
	Art MFA	23	28.0%	3.6	69.4	20	26.3%	3.5	70.7	17	27.0%	3.2	68.4	
	Dance MA	3	3.7%	6.2	37.3	0	0.0%	0	0	0	0.0%	0	35	
	Dance MA Ext	0	0.0%	0	31	0	0.0%	0	0	0	0.0%	0	0	
	Dance MFA	3	3.7%	3	74.3	3	3.9%	3	78.3	3	4.8%	3	74.7	
	Music MA	7	8.5%	2.6	41.3	3	3.9%	2.7	45.3	5	7.9%	2.7	36.2	
	Music MM	31	37.8%	3.1	43.7	28	36.8%	2.7	46.7	20	31.7%	2.3	40.9	
	Theatre Arts Acting MFA	3	3.7%	2.5	60.3	4	5.3%	2	59.3	1	1.6%	2	60	
	Theatre Arts Dramatic Wrtg MFA	2	2.4%	3.5	64.5	0	0.0%	0	0	0	0.0%	0	0	
	Theatre Arts MBA/MFA Thea Mgmt	2	2.4%	3.5	104	2	2.6%	3.5	92	4	6.3%	2.8	90.3	
	Theatre Arts Technical MFA	1	1.2%	3	66	9	11.8%	2.8	64.8	7	11.1%	3.1	62.7	
		ARTS TOTAL	82	100.0%	3.4	53.2	76	100.0%	3.1	59.9	63	100.0%	2.9	56.4
	Natural Sciences & Math	Biochemistry MS	1	1.2%	3	31	6	4.9%	5.7	46.8	6	5.0%	4.3	44.3
Biology MS		14	16.7%	4.4	35.3	17	13.9%	4	39.4	28	23.5%	4.1	38.4	
Chemistry MS		5	6.0%	4.1	36.4	8	6.6%	4.1	41.6	7	5.9%	2.5	35.9	
Geology MS		1	1.2%	3.5	31	8	6.6%	4.8	38.4	13	10.9%	3.5	47.4	
Math Applied MS		8	9.5%	2.4	43.1	14	11.5%	2.4	36.2	12	10.1%	3	42.6	
Math Applied Statistics MS		20	23.8%	2.7	38.4	20	16.4%	2.5	37.5	19	16.0%	2.3	37.6	
Math Educ for Sec School Tchrs		2	2.4%	2.5	69.5	15	12.3%	3	54.7	8	6.7%	3.3	55.3	
Math General MS		11	13.1%	2.8	38.6	9	7.4%	2.4	33.3	6	5.0%	2.7	33.3	
Math: Applied Statistics MS Ext		1	1.2%	2	36	0	0.0%	0	0	0	0.0%	0	0	
Microbiology MS		5	6.0%	4.6	33.6	1	0.8%	3.5	34	1	0.8%	4	34	
Physics MS		3	3.6%	3.3	39.3	9	7.4%	3.7	54.1	6	5.0%	4.1	36.7	
Physics Metals MS		3	3.6%	4	54	4	3.3%	3.3	36.8	5	4.2%	2.7	36.8	
Sci Ed Optn Informal SCED MS		1	1.2%	5	51	1	0.8%	5.5	36	3	2.5%	3.3	55	
Science Education (Elem) MS		4	4.8%	4.3	51.8	4	3.3%	4	46.8	2	1.7%	3	54.4	
Science Education (Secn) MS		5	6.0%	3	66.4	6	4.9%	3.3	45.5	3	2.5%	5.2	58.7	
	NATURAL SCIENCES & MATH TOTAL	84	100.0%	3.4	41.5	122	100.0%	3.4	42.1	119	100.0%	3.4	41.7	
TOTAL OF ALL GRADUATE STUDENTS		1877	100%	2.8	48.7	1713	100%	2.8	48.3	1720	100%	2.8	49	

Table 4-3: Average Graduation Time to Degree by Programs in the Colleges of Engineering, Arts, and Natural Sciences & Mathematics

5. Faculty, Courses, and Full-Time Equivalency

The data related to faculty, courses, and full-time equivalency was collected for all nine campuses for the time periods between 2009 to 2014 using data provided by the Chancellors Office database²⁸ and through the Common Data Set for the respective campuses²⁹. Seven key variables were closely examined and described as follows.

Full-Time Faculty Trend:

The full-time faculty includes both tenured, tenure-track, and full-time lecturers. The number of full-time faculty among the nine CSUs has steadily declined in the past 5 years, except for CSU San Bernardino and Northridge (Figure 5-1). CSU Long Beach had the highest full-time faculty count by a large margin

CSU Long Beach exhibited the highest full-time faculty count by a large margin until most recently in the past two years.

²⁸ <https://csyou.calstate.edu/Tools/academic-affairs/apdb/Pages/Academic-Discipline-Reports-By-Campuses.aspx>

²⁹ http://daf.csulb.edu/offices/univ_svcs/institutionalresearch/cds.html
www.fullerton.edu/analyticalstudies/faculty/index.asp
<http://irqry.csun.edu:8080/openweb/index.html>
<http://www4.csudh.edu/irap/ipeds/facultystaff/index>
<http://www.csupomona.edu/~irar/common-data-set.shtml>
<http://ir.csusb.edu/students/commonDataSet.html>
<http://university-stats.sdsu.edu/cds.html#CDS>
<http://www.csusm.edu/ipa/cds.html>
<http://ir.calstatela.edu/ir/>

until most recently in the past two years. In 2013, CSU Northridge surpassed CSU Long Beach with a total count of 941 full-time faculty, while CSU Long Beach remained close to 920 full-time faculty. The next largest faculty headcount is at CSU San Diego with a total of 734 in 2013.

Total-Faculty Trend: The total faculty count includes both full-time and part-time faculty. CSU Long Beach has maintained a lead with a headcount of 1,990 faculty in 2013, followed by CSU Northridge with a headcount of 1,945 (Figure 5-2). The next largest faculty headcount appears at CSU San Diego with a total of 1,607 in 2013.

Graduate Full-Time Equivalent Faculty (FTEF): The full-time equivalent faculty (FTEF) for graduate programs does not seem to follow the trend of full-time faculty headcounts. In general FTEF is trending upward in the past two years (Figure 5-3). CSU San Diego has maintained a lead in FTEF for the past five years with a total of 283, followed by CSU Long Beach at 233. Data was not available for further exploration for the CSU campuses of Los Angeles, Northridge and San Marcos.

Graduate Full-Time Equivalent Student (FTES): The data on full-time equivalent graduate students (FTES) seems to follow the trend for FTEF (Figure 5-4). In general both FTES and FTEF are trending upward in the past two years. CSU San Diego has maintained a lead in FTES for the past five years with a total of 3,378, followed by CSU Long Beach at 2,732. Data was not available for further exploration for

the CSU campuses of Los Angeles, Northridge and San Marcos.

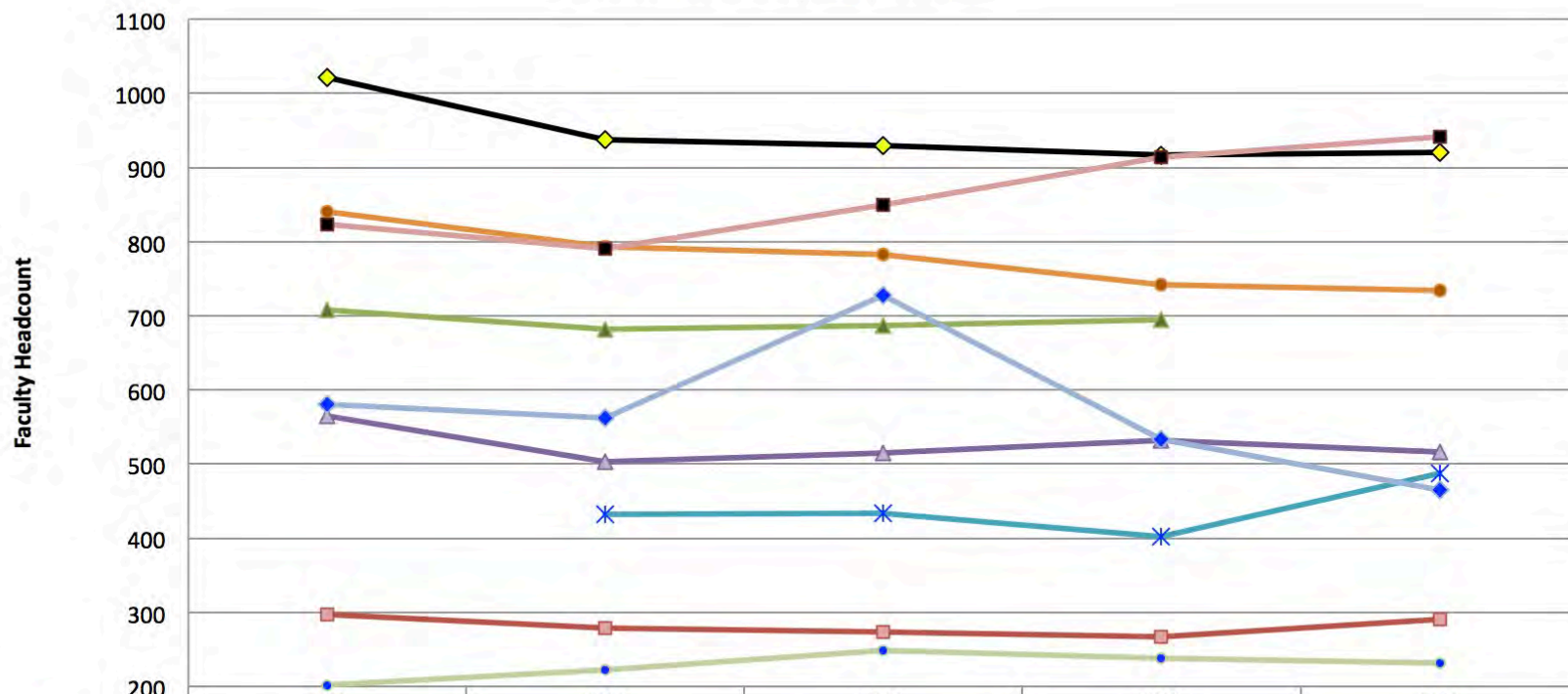
Graduate Student to Faculty Ratio: In 2014, CSU Long Beach demonstrated an 11.7 graduate student to faculty ratio, which seems to be similar to CSU San Diego at 11.9 (Figure 5-5). For most campuses, the student to faculty ratio has remained relatively steady over the past five years, except at CSU Pomona and Dominguez Hills. Both campuses experienced a significant drop in student to faculty ratios, however their headcounts were lower relative to other campuses (Figure 2-1). Data was not available for further exploration for the CSU campuses of Los Angeles, Northridge and San Marcos.

Number of Unique Graduate Courses Offered: The number of unique graduate courses offered at CSU Long Beach and San Diego seems to be the highest among the nine campuses by a wide margin totaling over 700 courses (Figure 5-6). Data was not available for further exploration for the CSU campuses of Los Angeles, Northridge and San Marcos.

Average Graduate Class Size: At six of the CSU campuses, the average graduate class size has steadily been decreasing during the time period of 2010 to 2014. While CSU Pomona and San Bernardino averaged approximately 15 graduate students per class, Long Beach averaged approximately 17 graduate students per class, with Dominguez Hills, Fullerton and San Diego averaging approximately 19 graduate students per class (Figure 5-7).

Data was not available for further exploration for the CSU campuses of Los Angeles, Northridge and San Marcos.

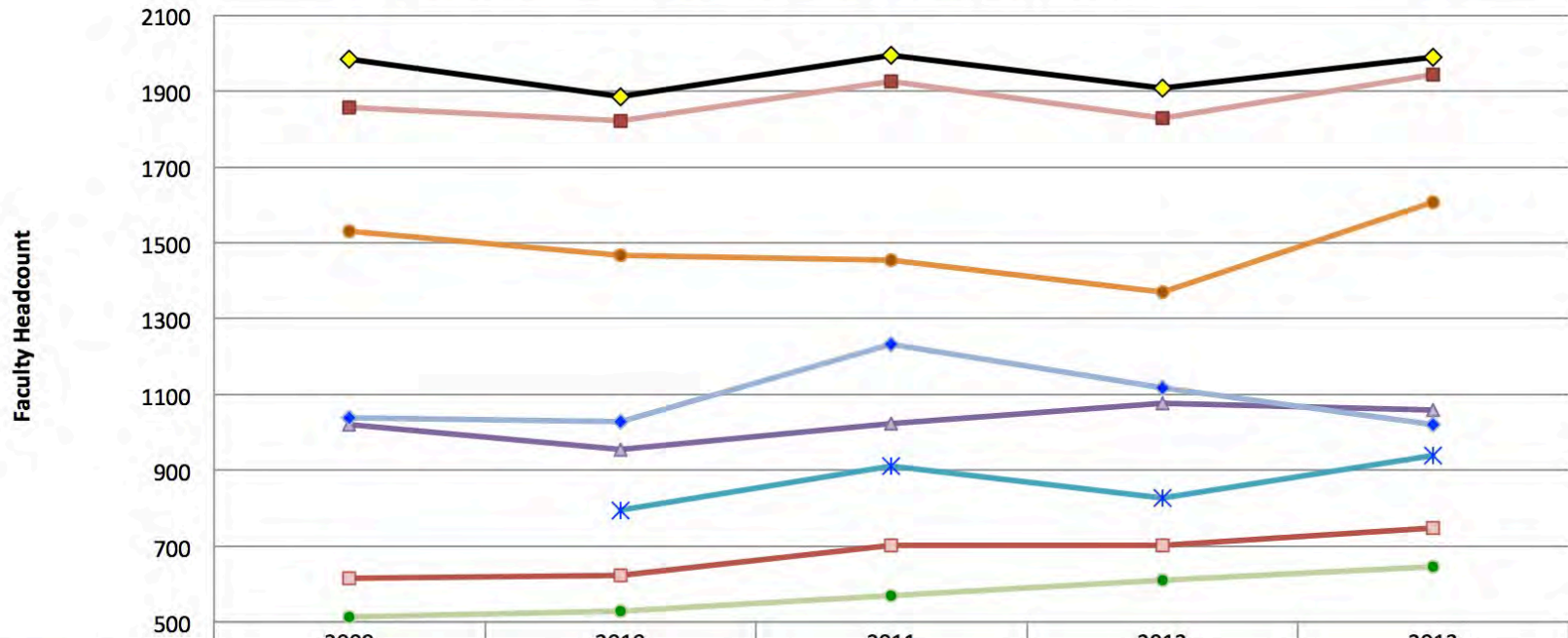
Full-Time Faculty Trend



	2009	2010	2011	2012	2013
Long Beach	1021	938	930	917	920
Dominguez Hills	297	279	274	267	290
Fullerton	708	682	687	695	
Pomona	565	503	515	532	516
San Bernardino		433	434	402	488
San Diego	841	793	783	742	734
Los Angeles	580	562	727	533	465
Northridge	824	790	850	914	941
San Marcos	202	222	249	238	232

Figure 5-1: Full-Time Faculty Trend

Total (Full-Time & Part-Time) Faculty Trend



	2009	2010	2011	2012	2013
◆ Long Beach	1984	1886	1996	1908	1990
■ Dominguez Hills	615	623	703	701	748
▲ Fullerton					
▲ Pomona	1020	955	1023	1077	1058
* San Bernardino		795	912	828	938
● San Diego	1530	1467	1453	1370	1607
◆ Los Angeles	1038	1029	1233	1117	1020
■ Northridge	1857	1822	1927	1829	1945
● San Marcos	513	528	569	609	645

Figure 5-2: Total (Full-Time and Part-Time) Faculty Headcount Trend

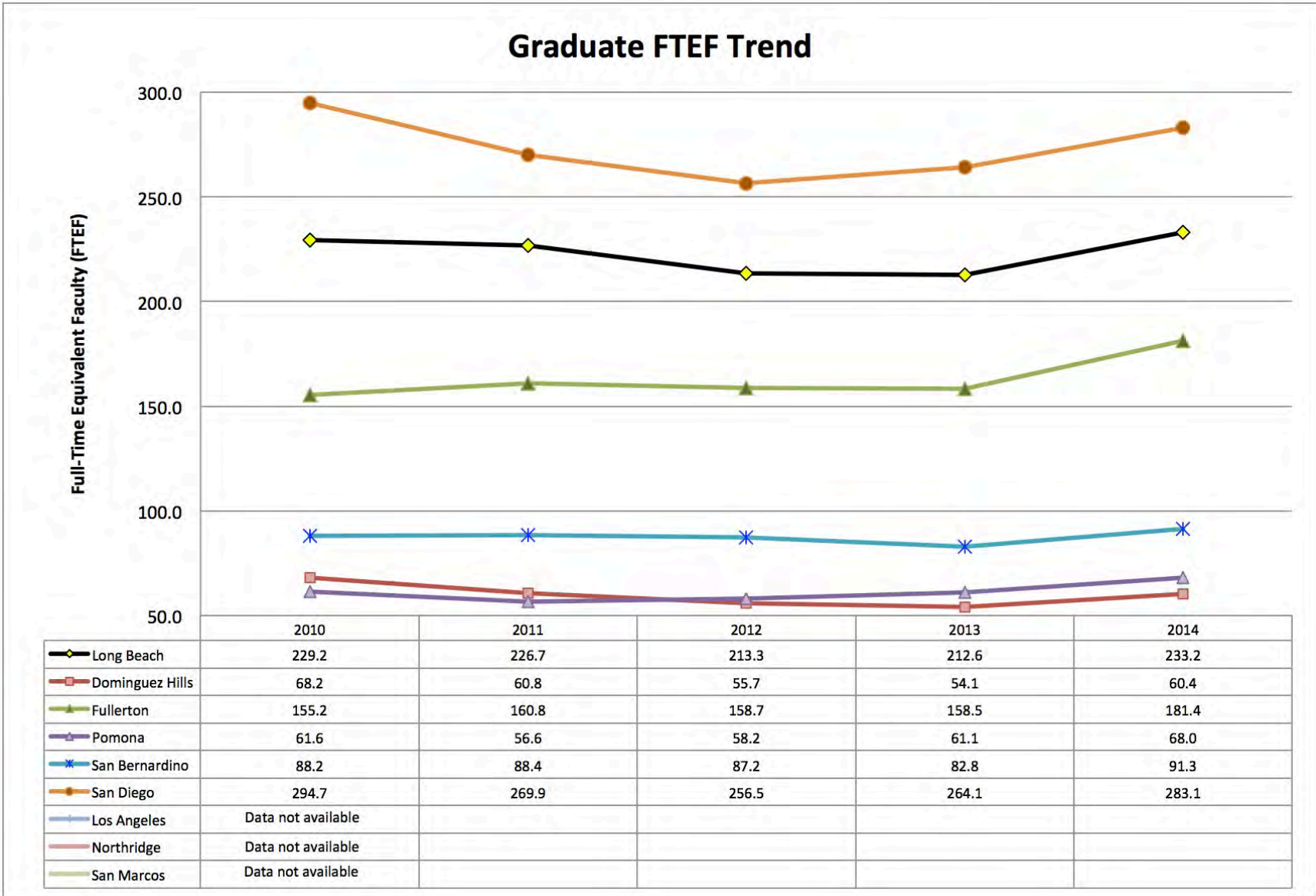


Figure 5-3: Graduate Full-Time Equivalent Faculty Trend

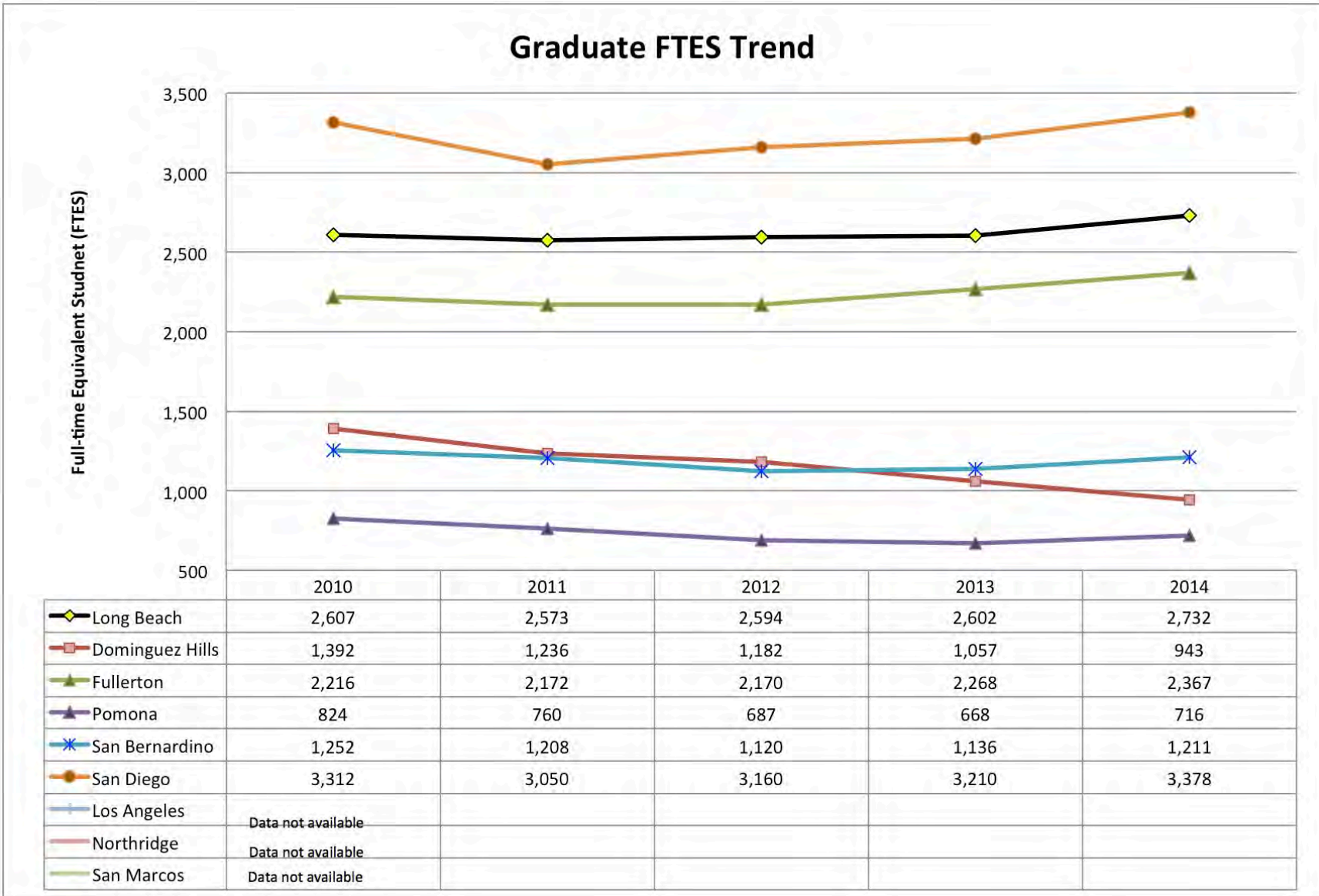
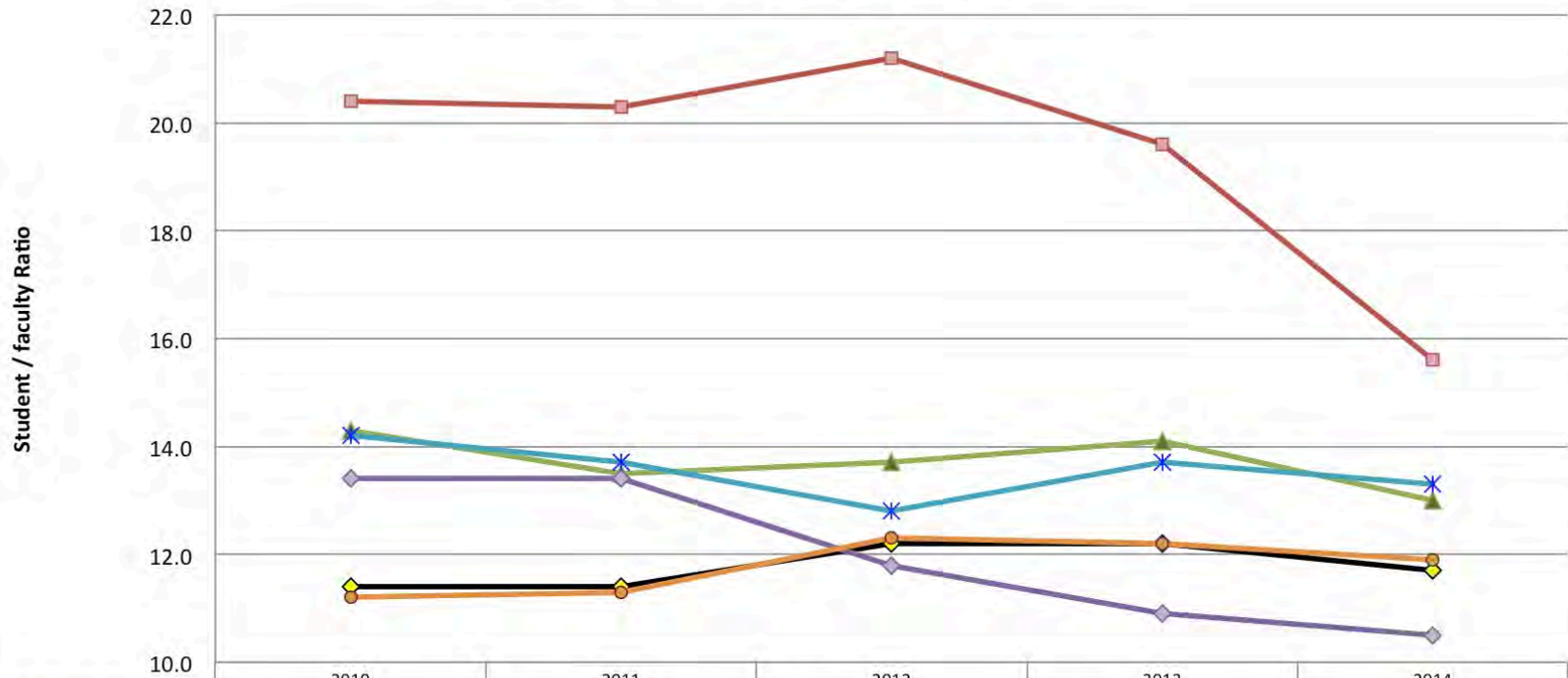


Figure 5-4: Graduate Full-Time Equivalent Student Trend

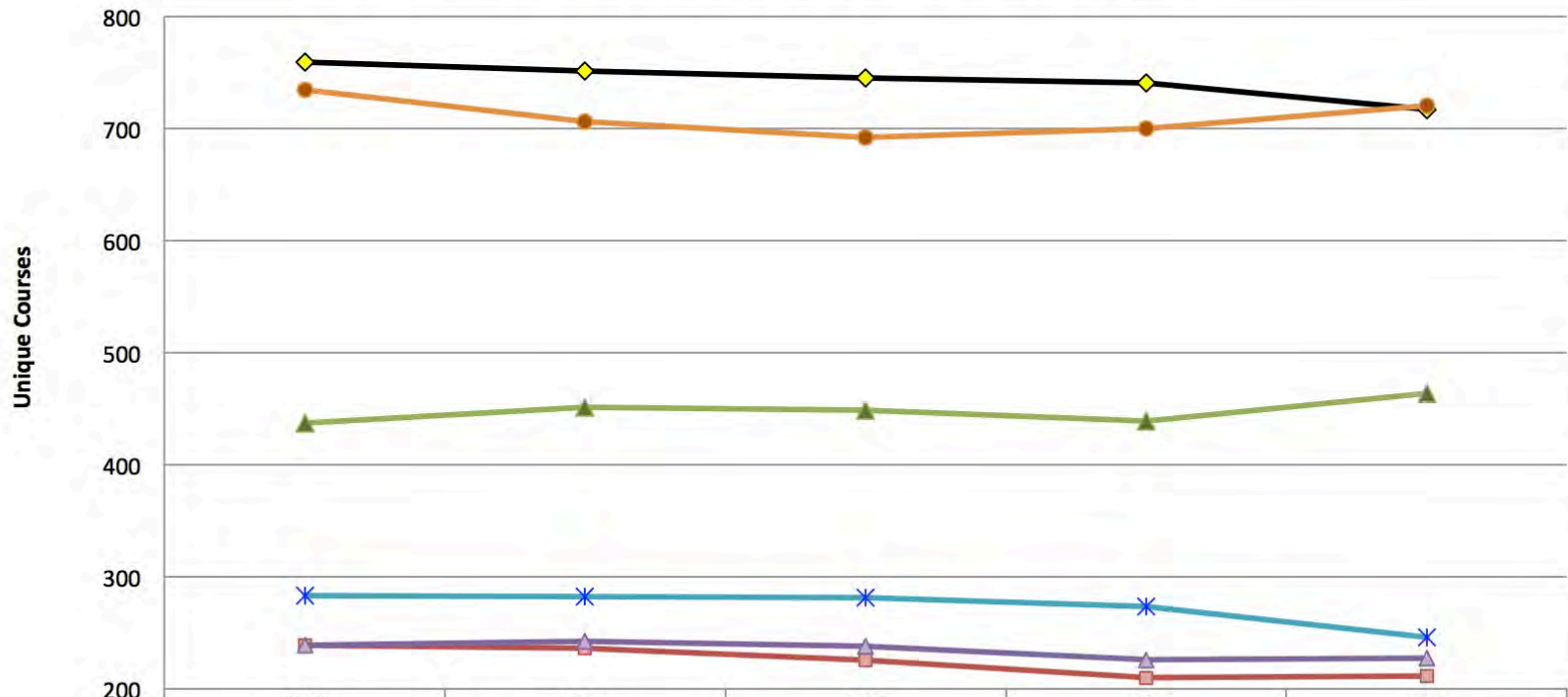
Graduate Student/Faculty Ratio Trend



	2010	2011	2012	2013	2014
Long Beach	11.4	11.4	12.2	12.2	11.7
Dominguez Hills	20.4	20.3	21.2	19.6	15.6
Fullerton	14.3	13.5	13.7	14.1	13.0
Pomona	13.4	13.4	11.8	10.9	10.5
San Bernardino	14.2	13.7	12.8	13.7	13.3
San Diego	11.2	11.3	12.3	12.2	11.9
Los Angeles	Data not available				
Northridge	Data not available				
San Marcos	Data not available				

Figure 5-5: Graduate Student to Faculty Ratio Trend

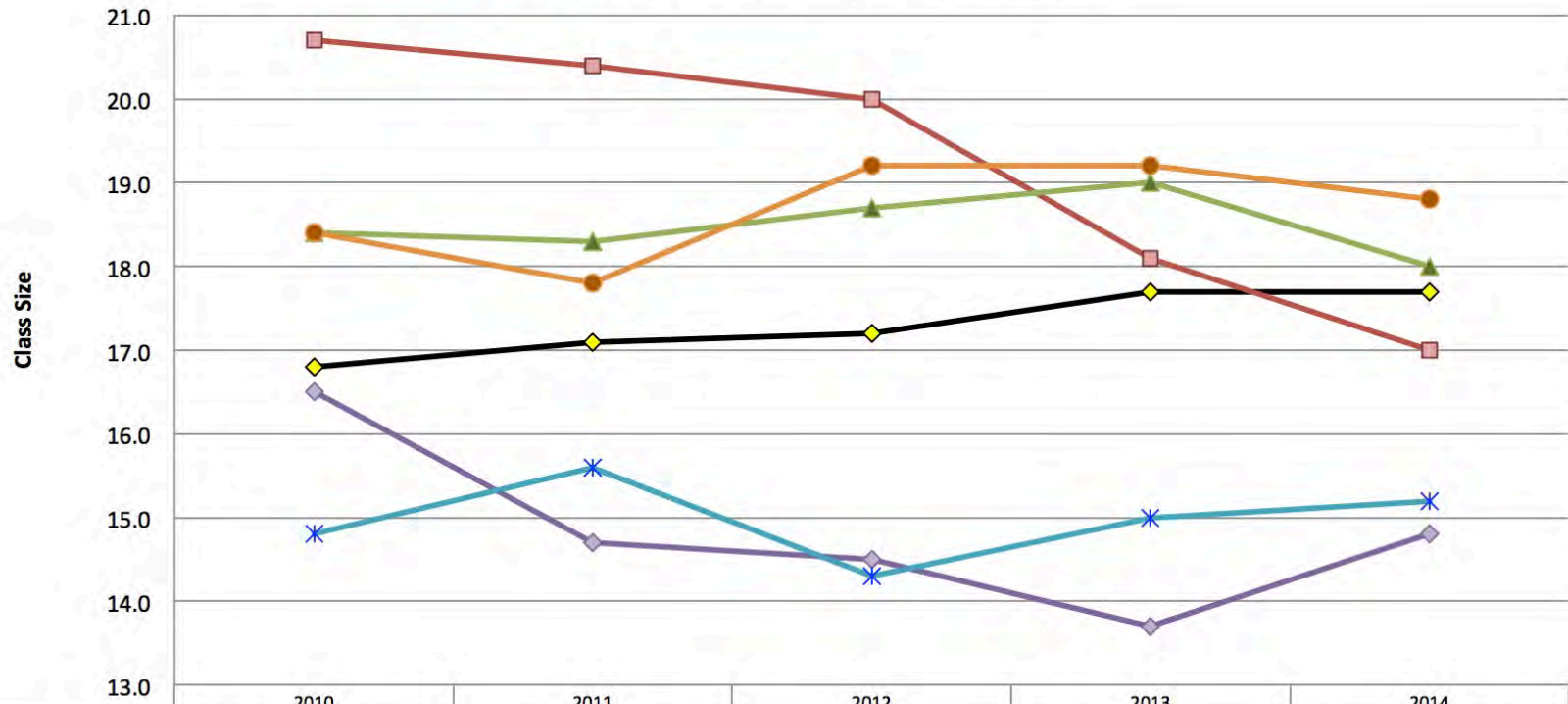
Number of Unique Graduate Courses Offered



	2010	2011	2012	2013	2014
Long Beach	759	751	745	741	717
Dominguez Hills	239	236	226	210	211
Fullerton	437	451	449	439	464
Pomona	239	242	238	226	227
San Bernardino	283	282	281	273	246
San Diego	734	706	692	700	720
Los Angeles	Data not available				
Northridge	Data not available				
San Marcos	Data not available				

Figure 5-6: Number of Unique Graduate Courses Offered

Average Graduate Class Size Trend



	2010	2011	2012	2013	2014
Long Beach	16.8	17.1	17.2	17.7	17.7
Dominguez Hills	20.7	20.4	20.0	18.1	17.0
Fullerton	18.4	18.3	18.7	19.0	18.0
Pomona	16.5	14.7	14.5	13.7	14.8
San Bernardino	14.8	15.6	14.3	15.0	15.2
San Diego	18.4	17.8	19.2	19.2	18.8
Los Angeles	Data not available				
Northridge	Data not available				
San Marcos	Data not available				

Figure 5-7: Average Graduate Class Size

6. Thesis Submission Rates

Thesis completion data was collected from the CSU Long Beach University Library records. The data collected for the CSU Long Beach campus was extensive; however the same data for sister CSUs was limited. Besides CSU Long Beach, thesis completion data was collected for the time period from 2009 through 2014 for CSU Northridge, Fullerton, San Bernardino, Pomona, and Dominguez Hills. CSU Northridge provided the grand total whereas all other participating campuses provided a breakdown of thesis submission for each year from 2009 through 2014. On average, most CSU Southern California campuses demonstrated an annual thesis submission rate of approximately 1,870 (Figure 6-1). Without CSU Northridge's data by year, 2012 to 2013 experienced the highest volume of thesis submissions. The campuses producing the most thesis submissions, from highest to lowest are CSU Northridge, Long Beach, San Bernardino, Fullerton, Pomona, and Dominguez Hills.

On average, 33% of graduates in the master's programs complete a thesis at CSU Long Beach.

CSULB Thesis Completion Trend			
Year	Masters Degrees Awarded	Thesis Completed	% of Graduates Completing Thesis
2009-10	1816	578	32%
2010-11	1816	567	31%
2011-12	1740	580	33%
2012-13	1696	658	39%
2013-14	1696	543	32%

This rate has been progressively consistent for the past six years. Within CSU Long Beach, the College of Health and Human Services averaged 53% of all thesis submissions

from 2009 through 2014. During the same time period, the Colleges of Liberal Arts (13%), the Arts (12%) and Natural Sciences and Mathematics (11%) averaged thesis submissions in a close range of each other, while simultaneously the College of Engineering (6%) and Education (4%) averaged thesis submissions in a different range from the others (Figure 6-2).

On average, 33% of graduate students complete a thesis at CSU Long Beach.

Within the College of Education, Advanced Studies in Education and Counseling averaged 86% of thesis submissions from 2009 through 2014, not including doctoral dissertations (Figure 6-3).

Within the College of Health and Human Services, the School of Social work prominently stands out with an average of 64% of thesis submissions, followed by Health Care Administration at 14% and finally the School of Nursing at 8% of thesis submissions from 2009 through 2014 (Figure 6-4).

Within the College of Liberal Arts, Psychology prominently stands out with an average of 29% of thesis submissions, followed by English at 19% and finally Anthropology at 13% of thesis submissions from 2009 through 2014 (Figure 6-5).

Within College of Natural Science and Mathematics, Biological Sciences prominently stands out with 32% of thesis submissions, followed by Physics and Astronomy at 18% and finally Chemistry and Biochemistry at 17% of thesis submissions from 2009 through 2014 (Figure 6-6).

Within College of Engineering, Computer Engineering and Computer Science prominently stands out with 44% of thesis submissions, followed by Mechanical and Aerospace Engineering at 26% and finally Electrical Engineering at 17% of thesis submissions from 2009 through 2014 (Figure 6-7).

Within the College of the Arts, the Bob Cole Conservatory of Music prominently stands out with 41% of thesis submissions, followed by Art with 39% and finally Theatre Arts at 17% of thesis submissions from 2009 through 2014 (Figure 6-8).

of the Arts at CSU Long Beach produces the third highest thesis submission rates, but 77% of their graduates complete a thesis.

Thesis submission rates analyzed in conjunction with the number of master’s degrees awarded demonstrates a different trend. Whereas the College of Health and Human Services at CSU Long Beach produces the highest thesis submission rates, only 41% of their graduates complete a thesis. Conversely the College

CSULB Thesis Completion 2013-14 CY			
College	Masters Degrees Awarded	Thesis Completed	% of Graduates Completing Thesis
CEC	225	24	11%
COE	222	30	14%
CHHS	703	287	41%
CLA	249	76	31%
CNSM	118	69	58%
COTA	74	57	77%
Total	1591	543	34%

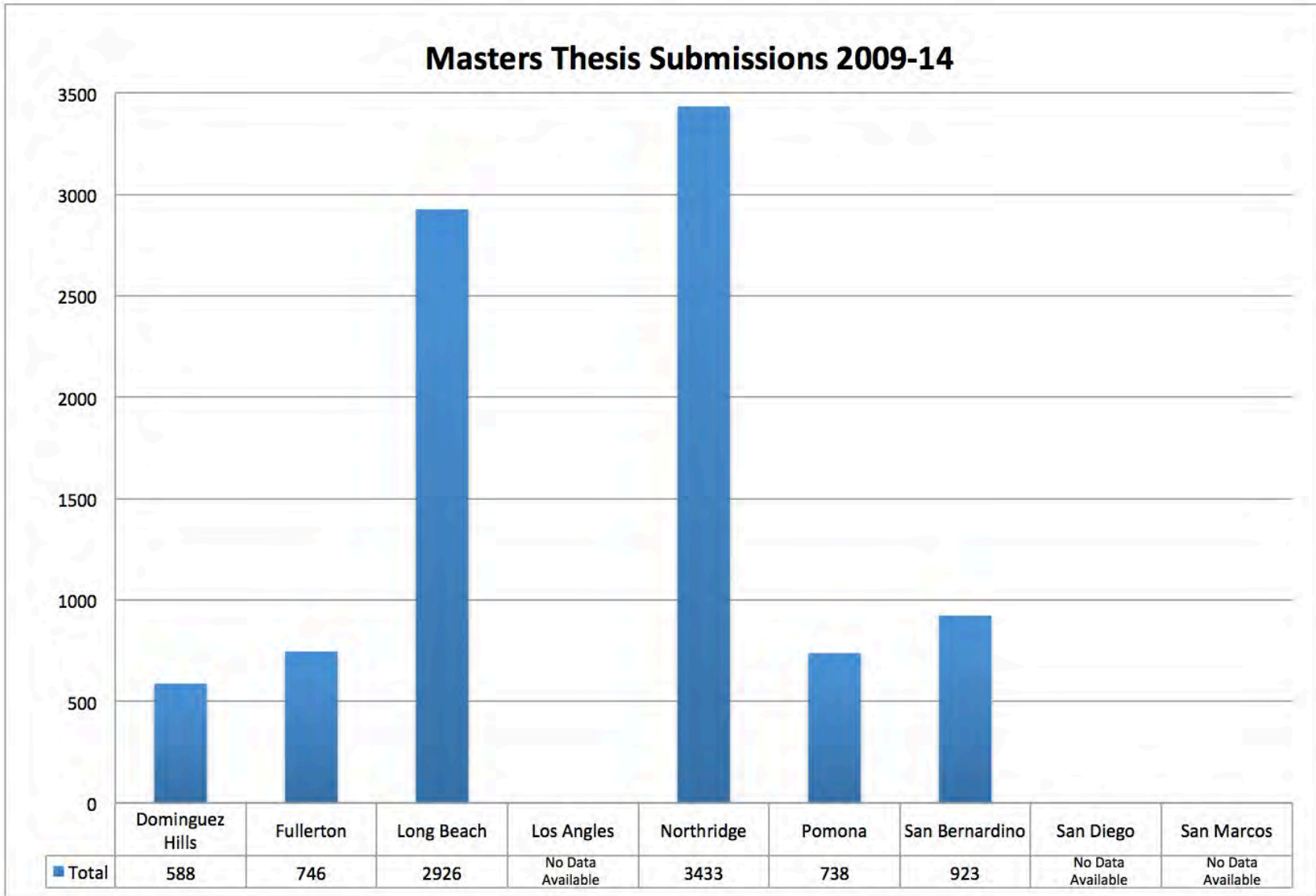


Figure 6-1: Number of Master's Thesis Submissions among Select CSU Campuses 2009-2014

Masters Thesis Completed by College @ CSULB

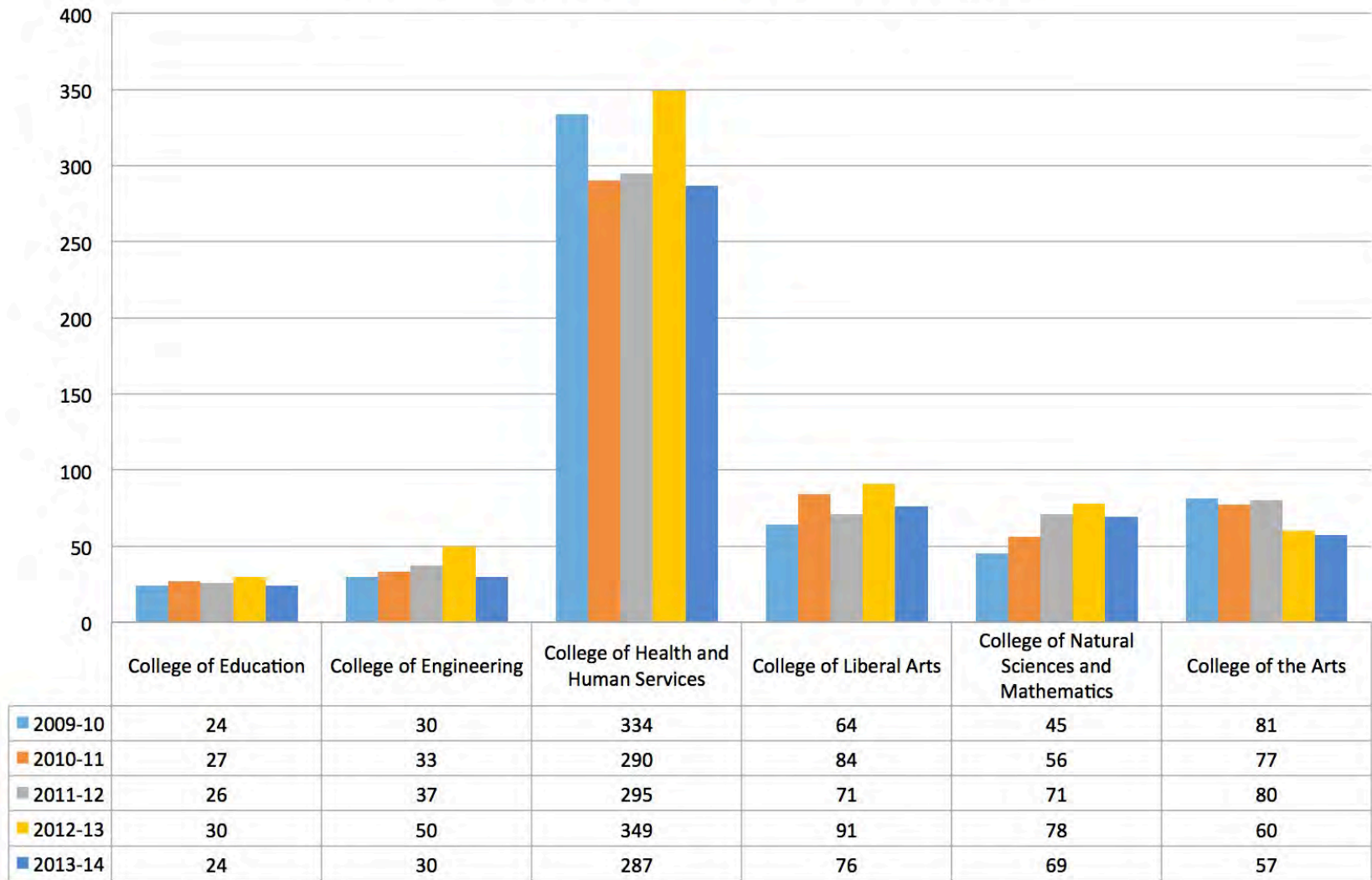


Figure 6-2: Number of Master’s Thesis Completed at CSULB

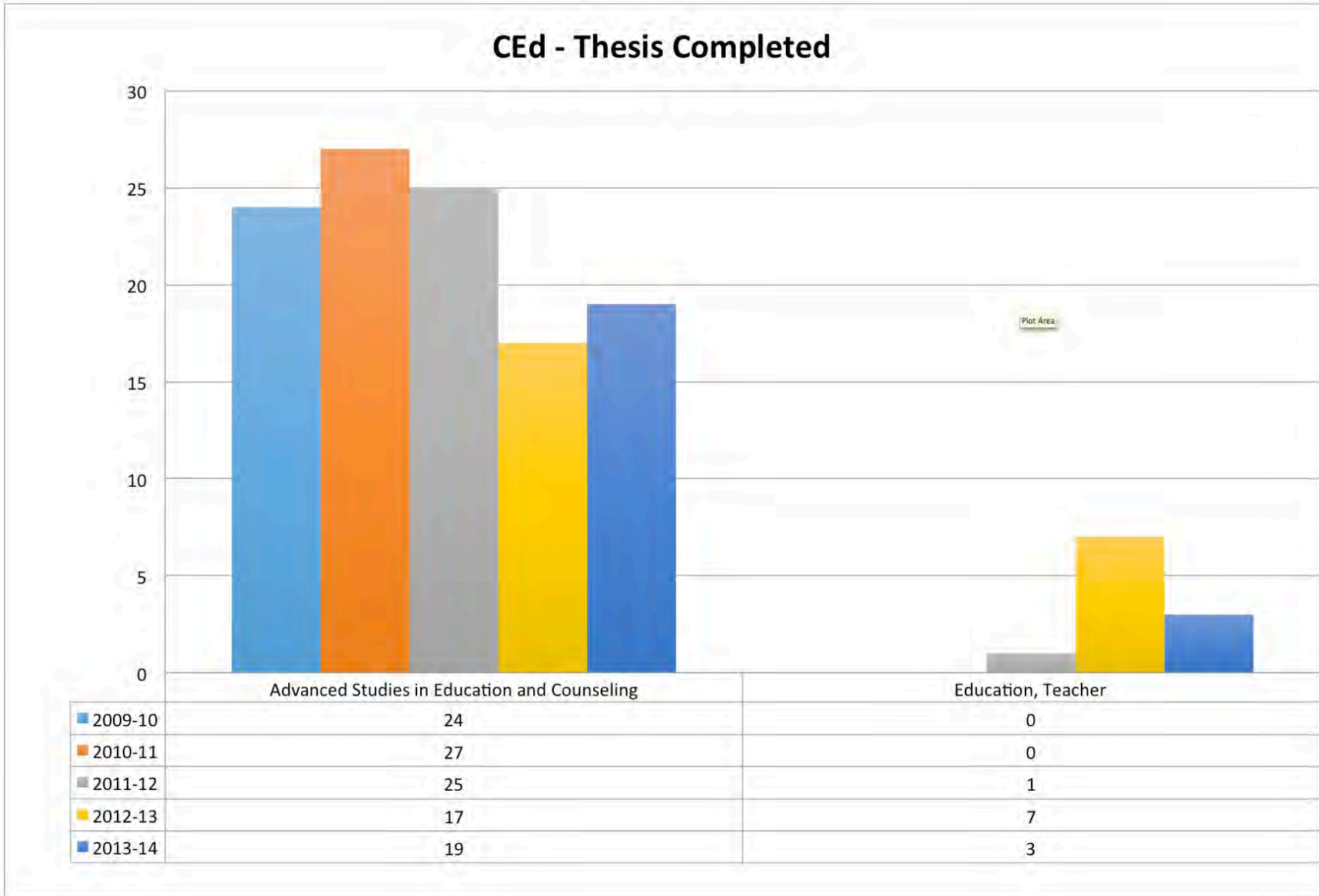


Figure 6-3: Number of Master's Thesis Completed in the College of Education at CSULB

CHHS - Thesis Completed

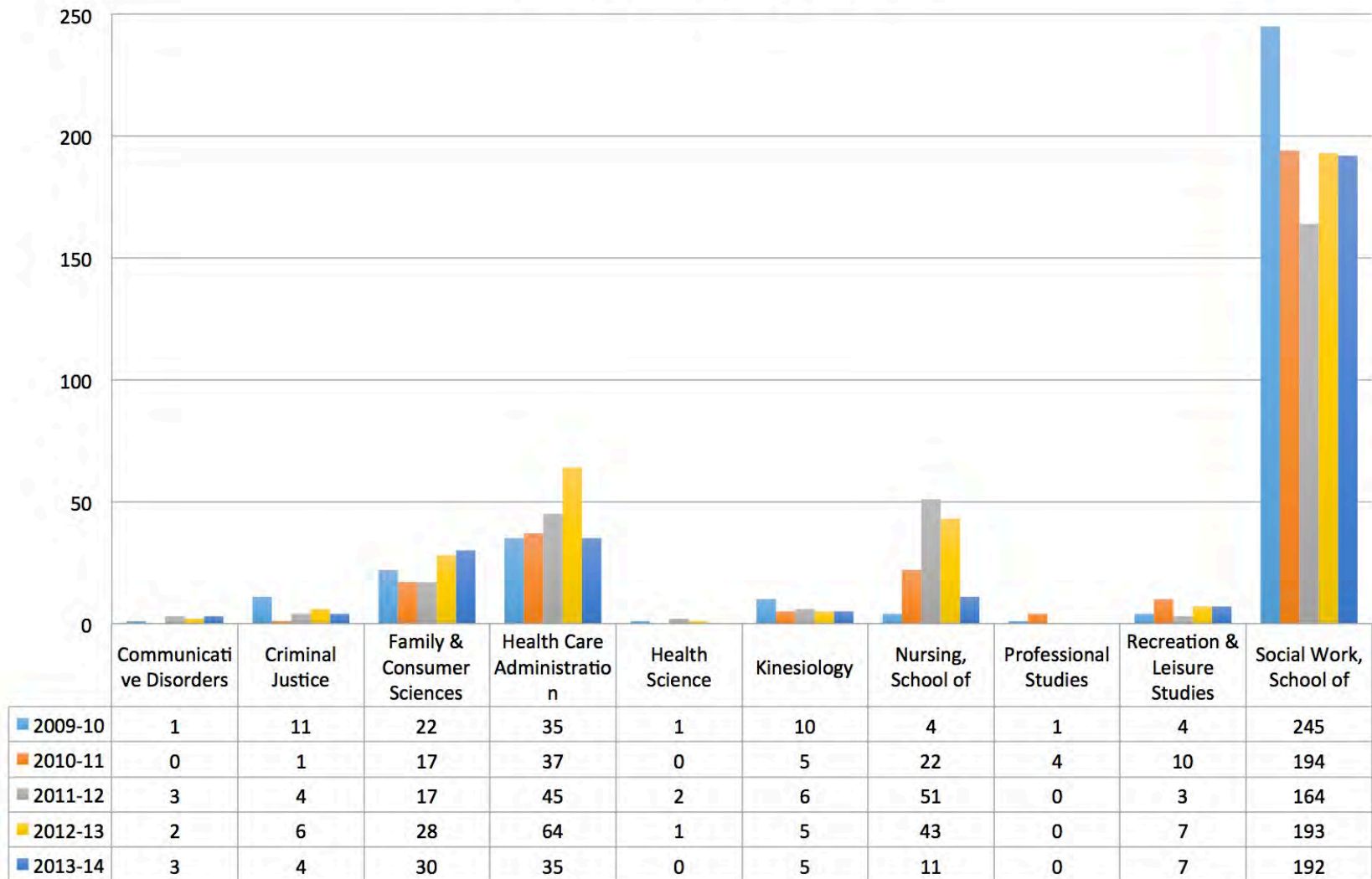


Figure 6-4: Number of Master's Thesis Completed in the College of Health and Human Services at CSULB

CLA - Thesis Completed

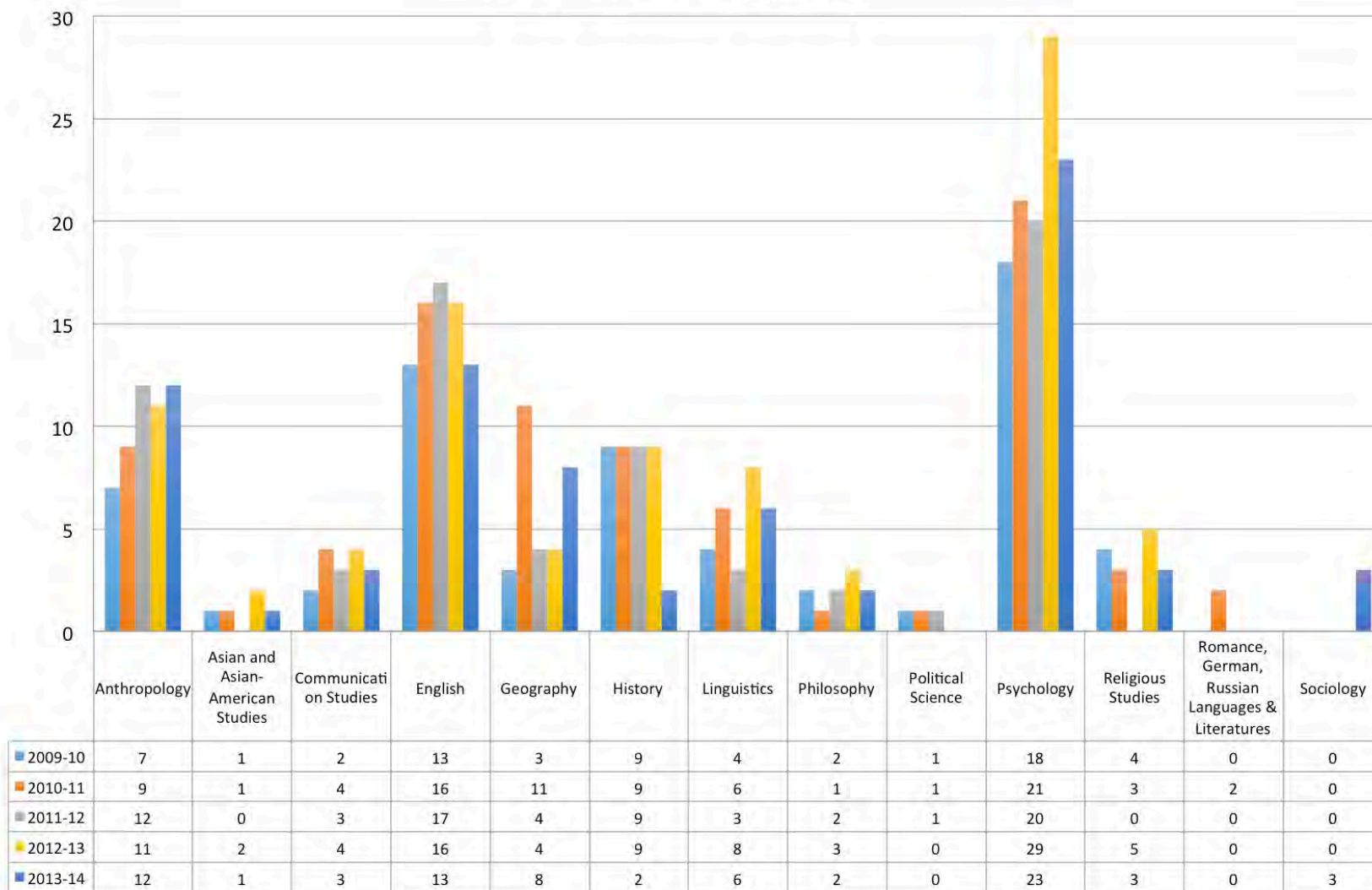


Figure 6-5: Number of Master's Thesis Completed in the College of Liberal Arts at CSULB

CNSM - Thesis Completed

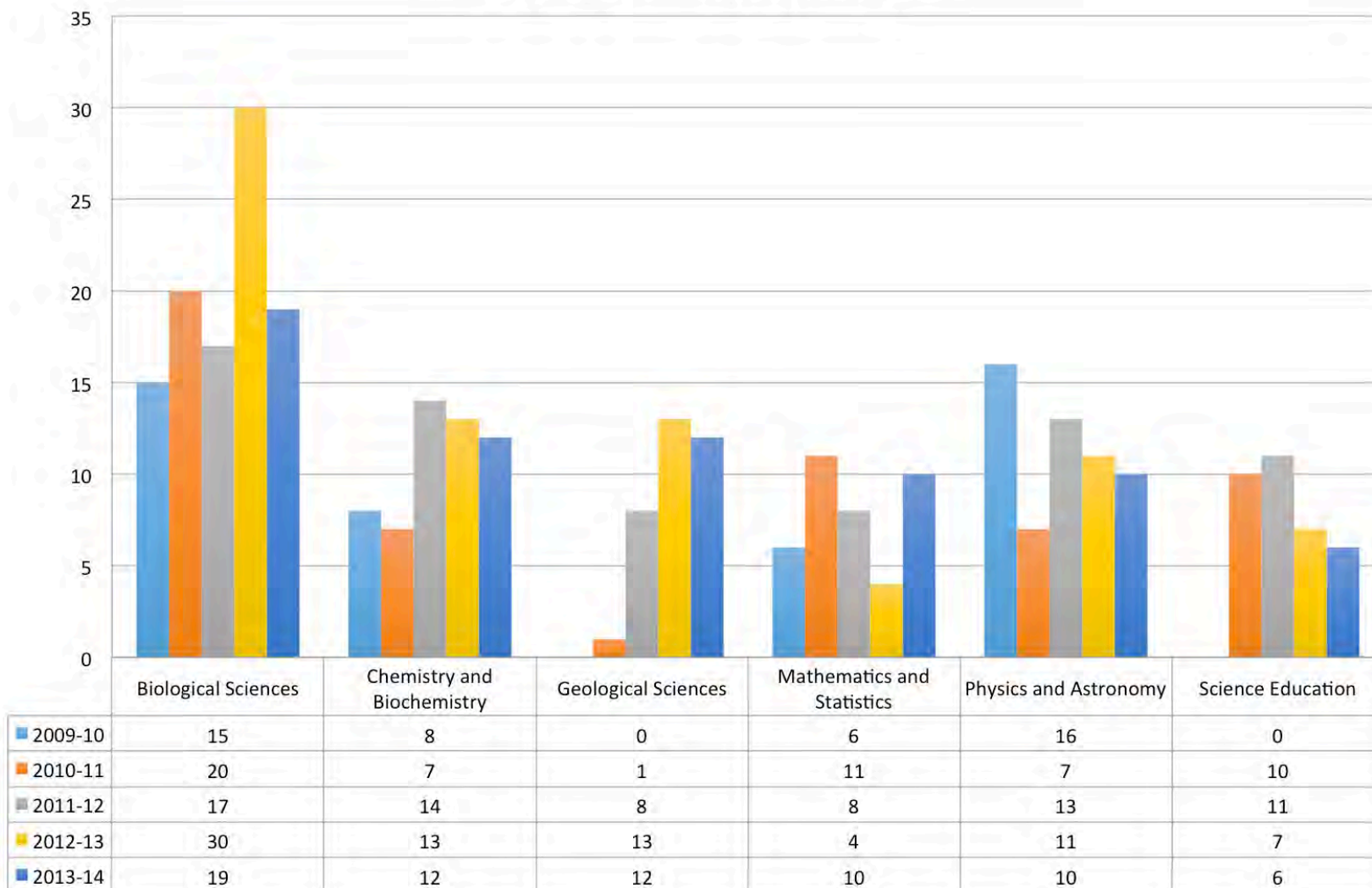


Figure 6-6: Number of Master's Thesis Completed in the College of Natural Sciences and Mathematics at CSULB

COE - Thesis Completed

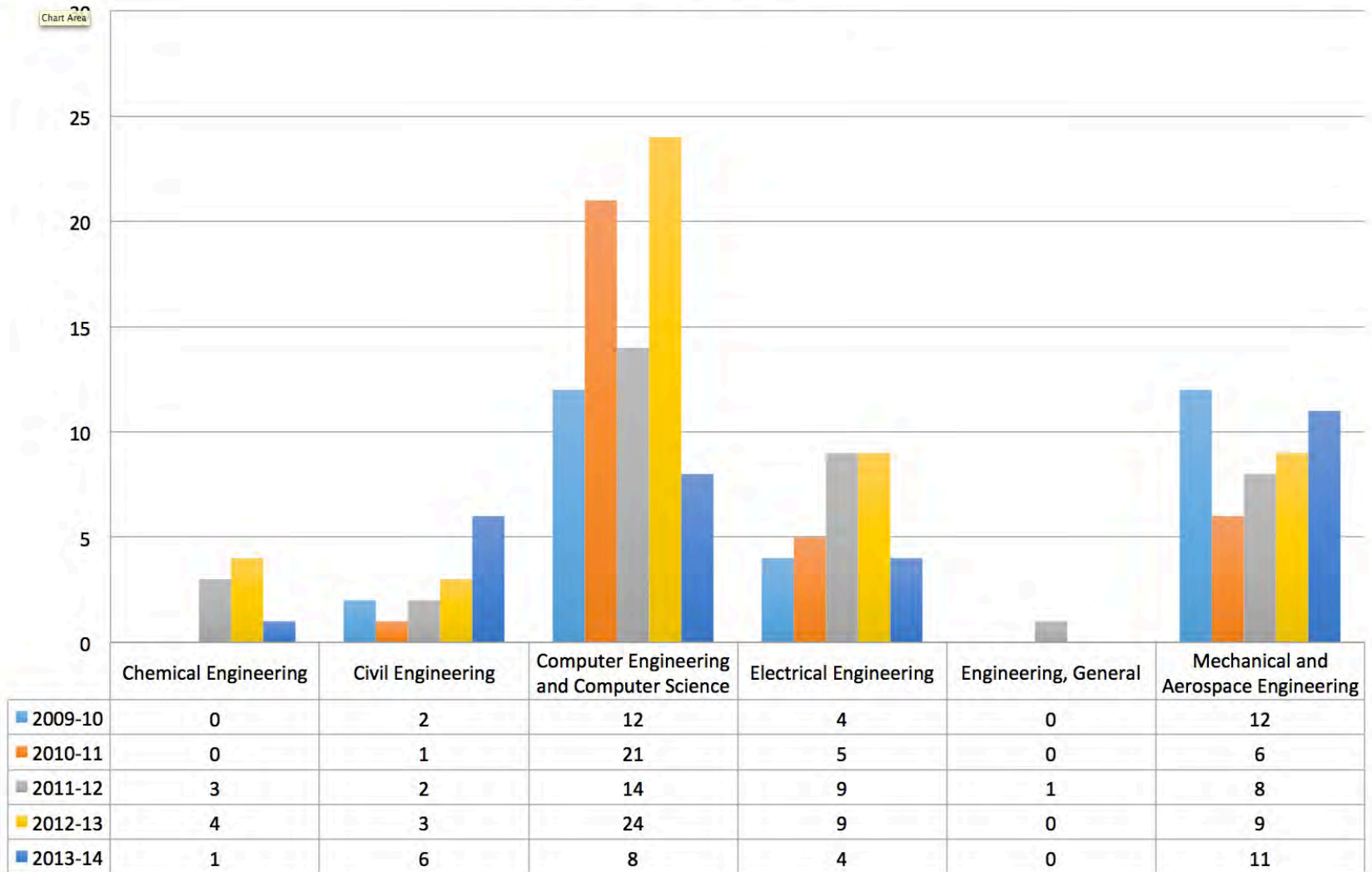


Figure 6-7: Number of Master's Thesis Completed in the College of Engineering at CSULB

COTA - Thesis Completed

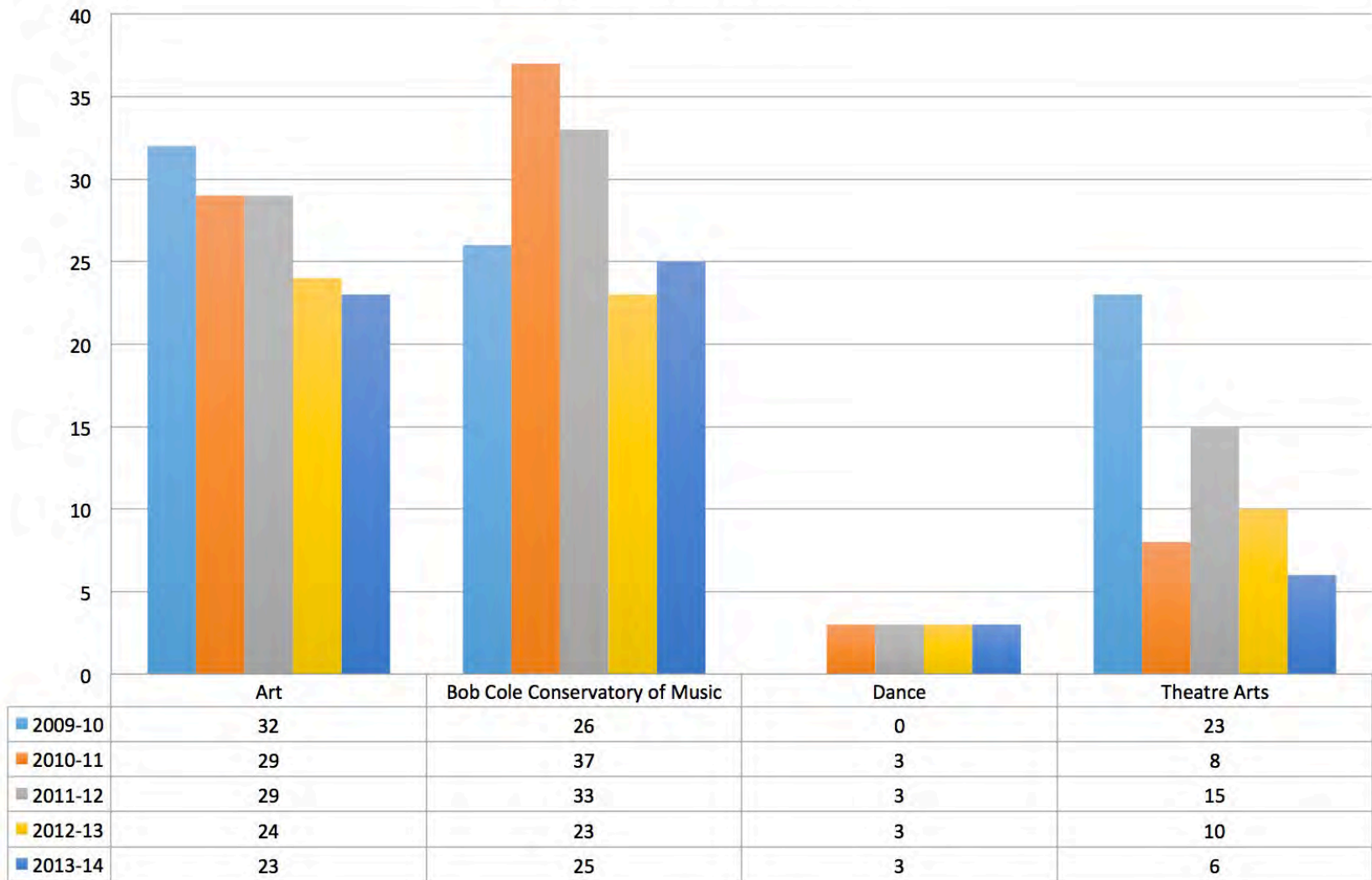


Figure 6-8: Number of Master's Thesis Completed in the College of the Arts at CSULB

7. Conclusion

This preliminary study along with the Provost's Taskforce report on Graduate Student Success will serve as resource materials for the Graduate Program Retreat. The purpose of the retreat is to focus on identifying the strengths, weaknesses, threats, and opportunities to develop a strategy for graduate programs. The retreat outcomes will help focus on a CSU Long Beach strategy.

The preliminary study has presented various data sets on topics identified as relative to graduate programs and data points which were available for use. The data may not be consistently complete for all nine campuses in each category examined. Therefore the discussions developed during the retreat can direct future studies towards narrowing the set of variables examined, and then conducting correlation and significance studies on the variables. This preliminary study is only one piece of the puzzle. The quantitative data is not meant to be used as the only source from which recommendations are created for further action. The intention of presenting data in this manner allows the reader to create informed conclusions using various sources. This preliminary study should also be considered as a working document and as a platform from which future studies can evolve.

Finally, the preliminary study is meant to unite task force groups and CSU campuses towards a common interest in furthering the development of graduate programs. By comparing various CSU campuses, colleges, and departments, the study aims to ground the topic in a geographical and institutional manner that supports collaboration at any level and across campuses. It also acknowledges features unique to each campus, college, and department encouraging them to participate in a mutual exchange of ideas and practices related to the topic of graduate programs. The ultimate goal of this preliminary study is to foster the advancement and collaboration among the CSU Long Beach graduate programs.

8. Appendices

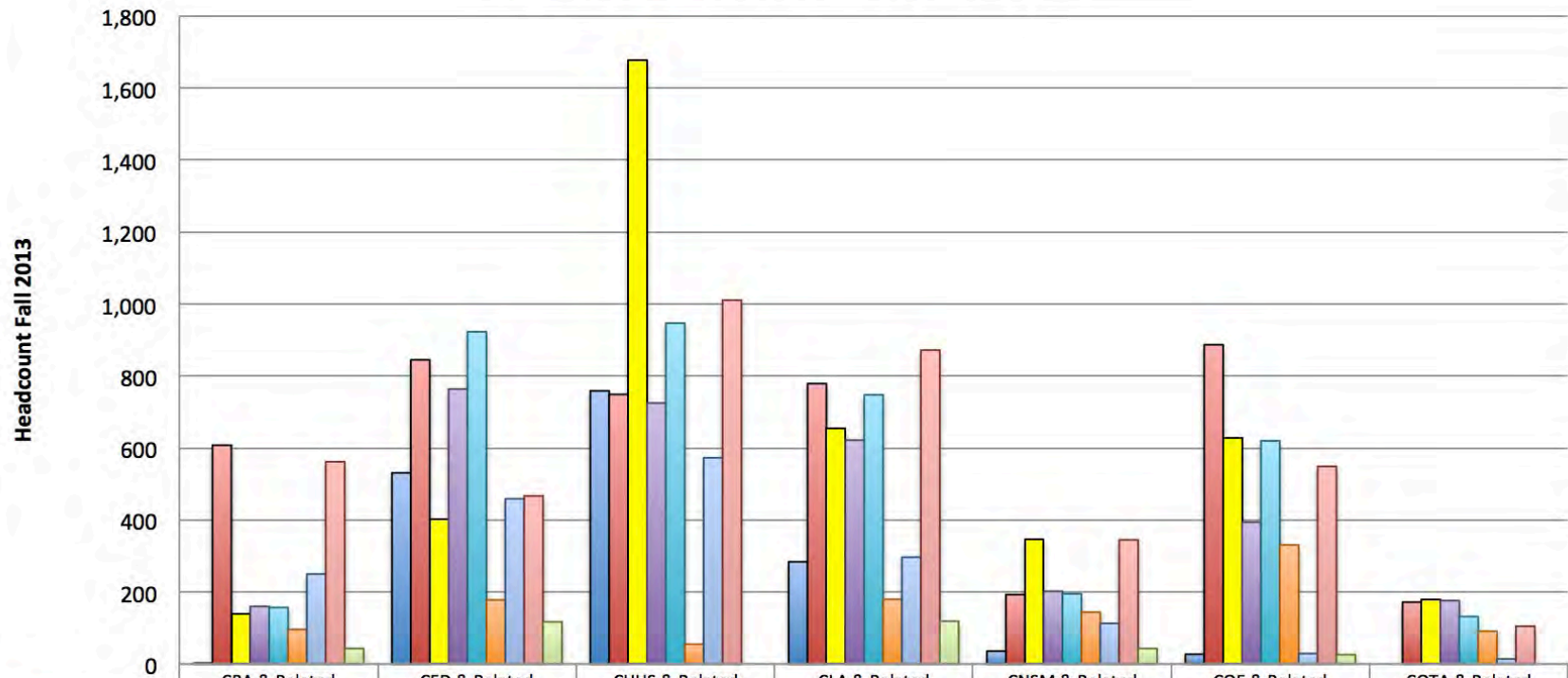
Appendix - A

Headcount by College and Department – Fall 2013

The headcount numbers in this section were collected for all nine campuses for the fall of 2013 using data provided by the CSU Chancellor's Office. The organization of graduate programs and colleges varies by campus. For the purposes of this study, the graduate programs are organized into the college structure represented at CSU Long Beach, and listed in alphabetical order.

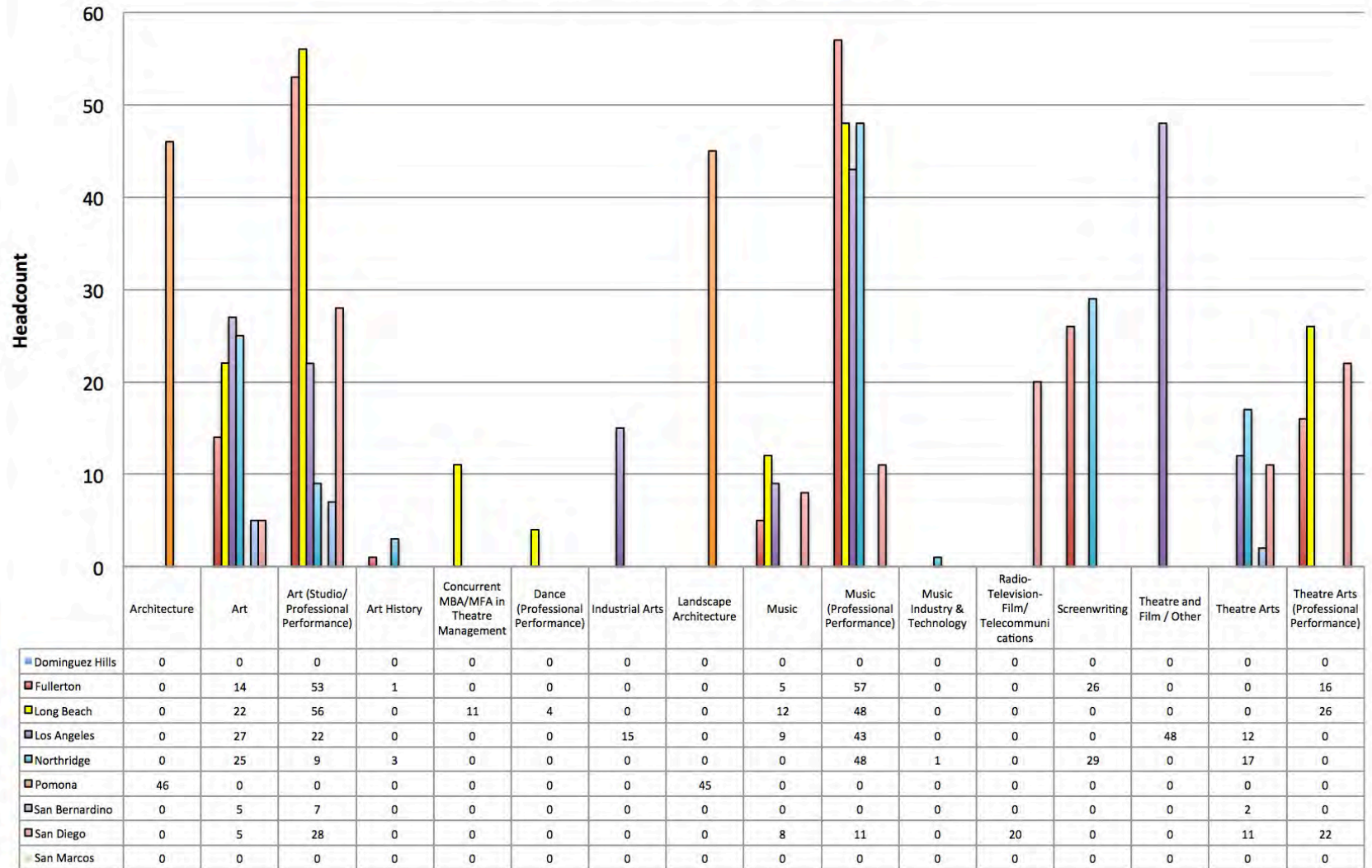
Reported headcount numbers are used to understand enrollment at the various Southern California CSU campuses. The headcount value reports the physical number of graduate students enrolled in a program without regard to their status as full-time or part-time students. With graduate students transitioning between full-time and part-time student status, the headcount value is an appropriate method for the purpose of this baseline study.

Masters Headcount by College

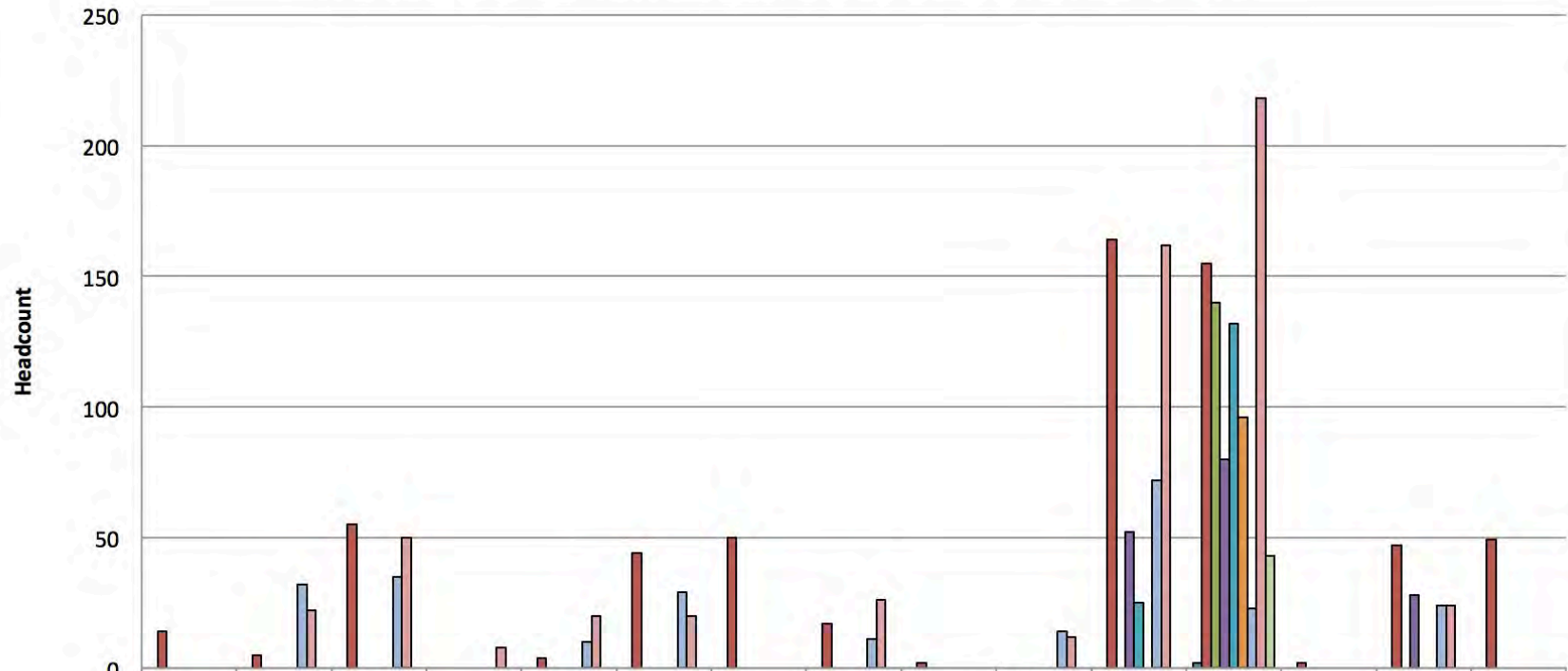


	CBA & Related	CED & Related	CHHS & Related	CLA & Related	CNSM & Related	COE & Related	COTA & Related
Dominguez Hills	2	531	759	284	36	27	0
Fullerton	608	845	749	779	193	887	172
Long Beach	140	401	1,678	654	347	629	179
Los Angeles	160	764	725	622	202	394	176
Northridge	157	923	947	748	195	620	132
Pomona	96	178	55	180	144	331	91
San Bernardino	250	459	573	297	113	29	14
San Diego	562	467	1,011	872	345	549	105
San Marcos	43	117	0	119	43	26	0

Arts Masters Headcount 2013

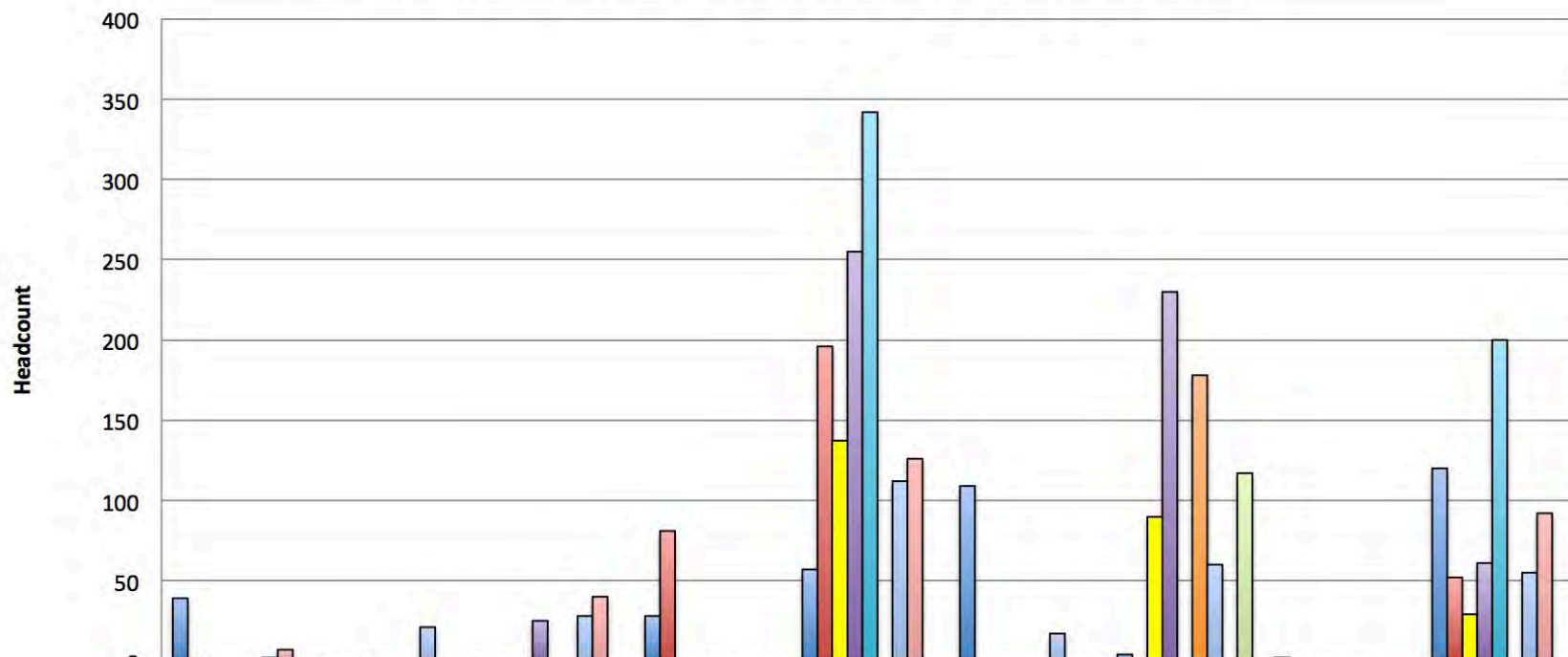


Business Administration Masters Headcount 2013



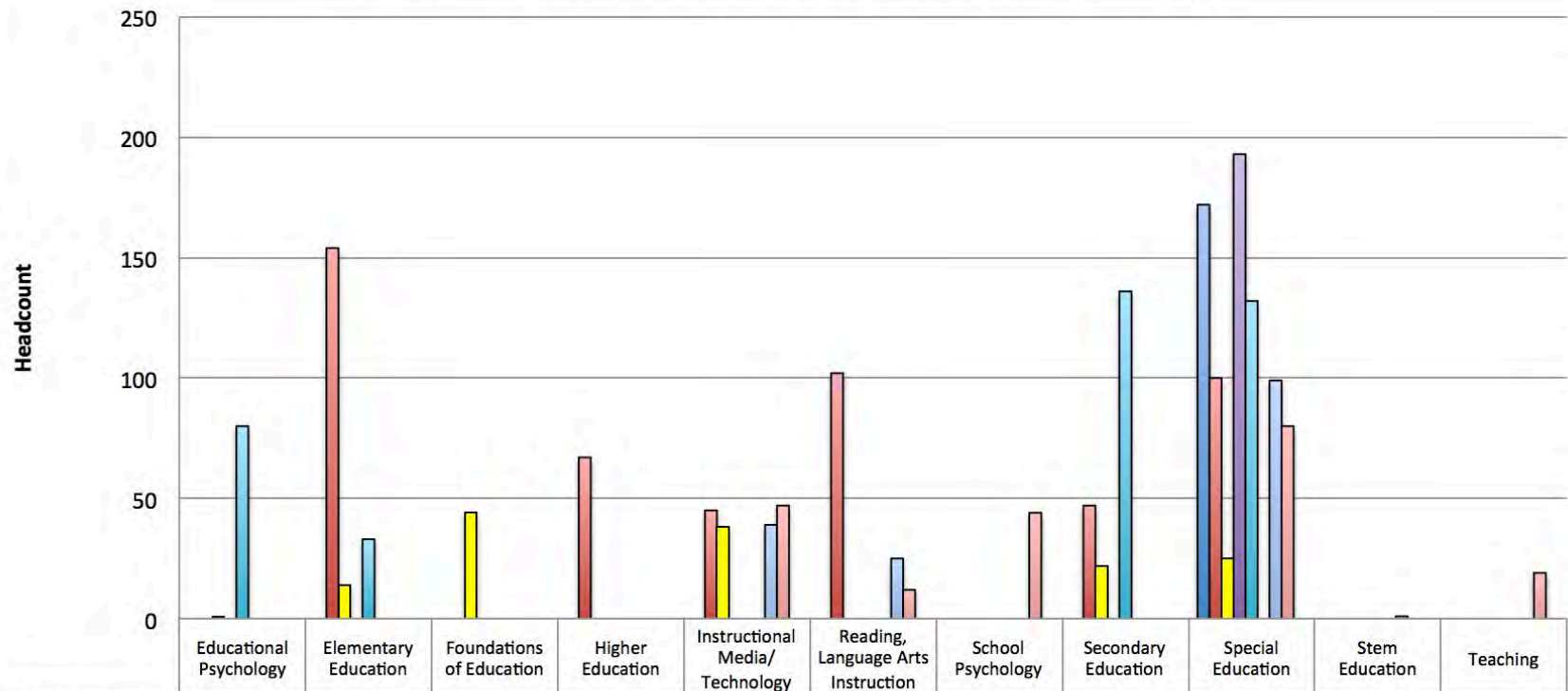
	Electronic Commerce, E-Business	Entrepreneurship	Finance	Financial Services	International Business	Management	Management Information Technology	Marketing	Operations Research	Production and Operations Management	Accountancy	Business Administration	Business Economics	Information Systems	Taxation
■ Dominguez Hills	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
■ Fullerton	14	5	55	0	4	44	50	17	2	0	164	155	2	47	49
■ Long Beach	0	0	0	0	0	0	0	0	0	0	0	140	0	0	0
■ Los Angeles	0	0	0	0	0	0	0	0	0	0	52	80	0	28	0
■ Northridge	0	0	0	0	0	0	0	0	0	0	25	132	0	0	0
■ Pomona	0	0	0	0	0	0	0	0	0	0	0	96	0	0	0
■ San Bernardino	0	32	35	0	10	29	0	11	0	14	72	23	0	24	0
■ San Diego	0	22	50	8	20	20	0	26	0	12	162	218	0	24	0
■ San Marcos	0	0	0	0	0	0	0	0	0	0	0	43	0	0	0

Education Masters Headcount 2013 (1 of 2 charts)



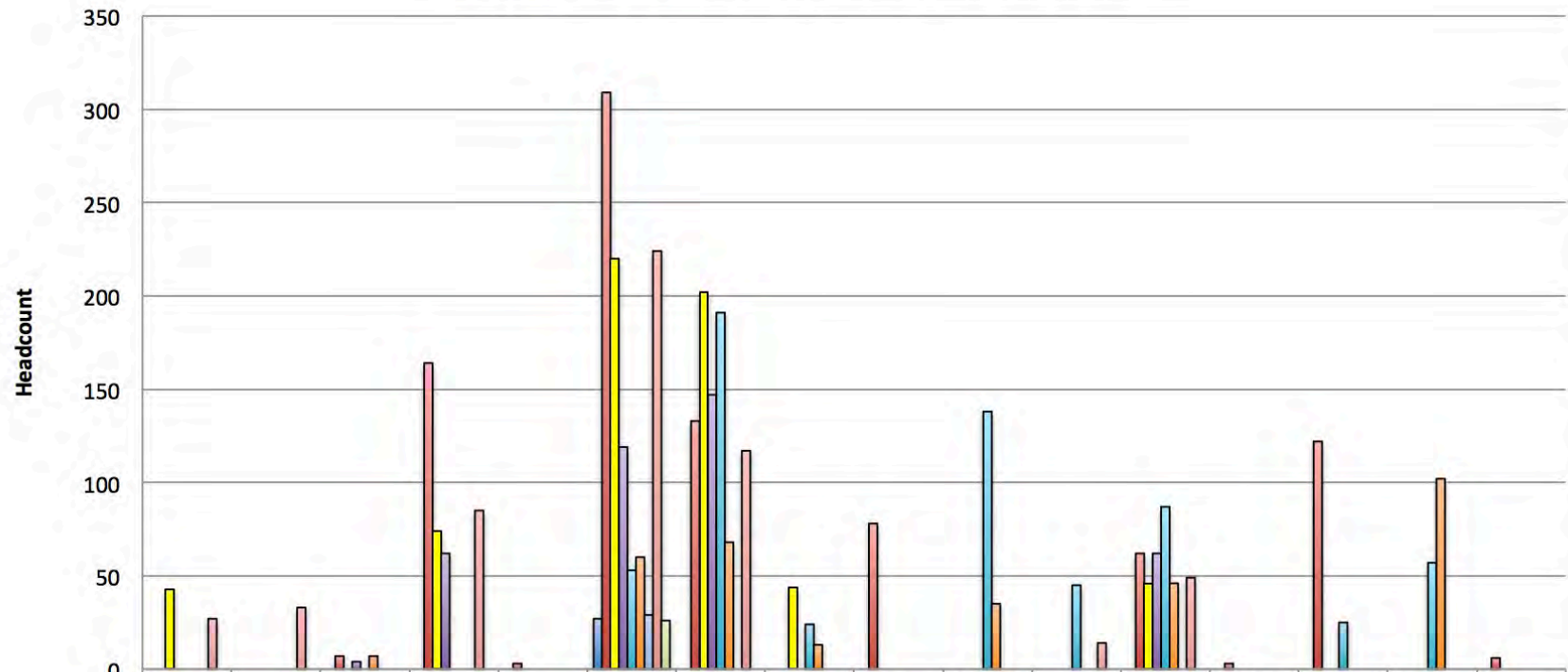
	Bilingual-Multicultural Education	Career and Technical Studies	Child Development/Early Childhood Education	Computer Based Education	Counseling and Guidance	Curriculum and Instruction	Education	Education, Special Interest	Educational Administration and Leadership
Dominguez Hills	39	0	0	28	57	109	4	2	120
Fullerton	1	0	0	81	196	0	0	0	52
Long Beach	0	1	0	0	137	0	90	0	29
Los Angeles	0	0	25	0	255	0	230	0	61
Northridge	0	0	0	0	342	0	0	0	200
Pomona	0	0	0	0	0	0	178	0	0
San Bernardino	2	21	28	0	112	17	60	0	55
San Diego	7	0	40	0	126	0	0	0	92
San Marcos	0	0	0	0	0	0	117	0	0

Education Masters Headcount 2013 (2 of 2 charts)



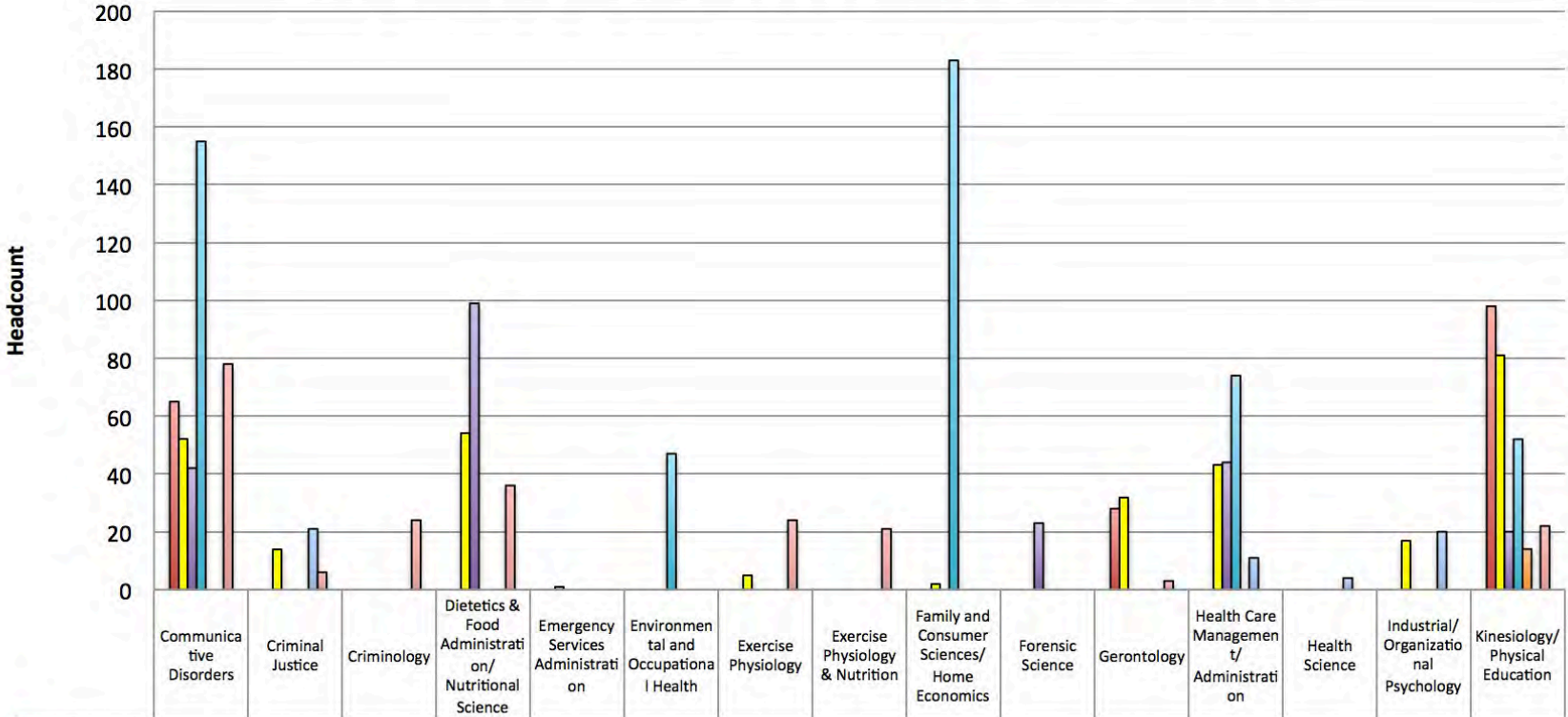
	Educational Psychology	Elementary Education	Foundations of Education	Higher Education	Instructional Media/Technology	Reading, Language Arts Instruction	School Psychology	Secondary Education	Special Education	Stem Education	Teaching
Dominguez Hills	0	0	0	0	0	0	0	0	172	0	0
Fullerton	0	154	0	67	45	102	0	47	100	0	0
Long Beach	1	14	44	0	38	0	0	22	25	0	0
Los Angeles	0	0	0	0	0	0	0	0	193	0	0
Northridge	80	33	0	0	0	0	0	136	132	0	0
Pomona	0	0	0	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	0	39	25	0	0	99	1	0
San Diego	0	0	0	0	47	12	44	0	80	0	19
San Marcos	0	0	0	0	0	0	0	0	0	0	0

Engineering Masters Headcount 2013



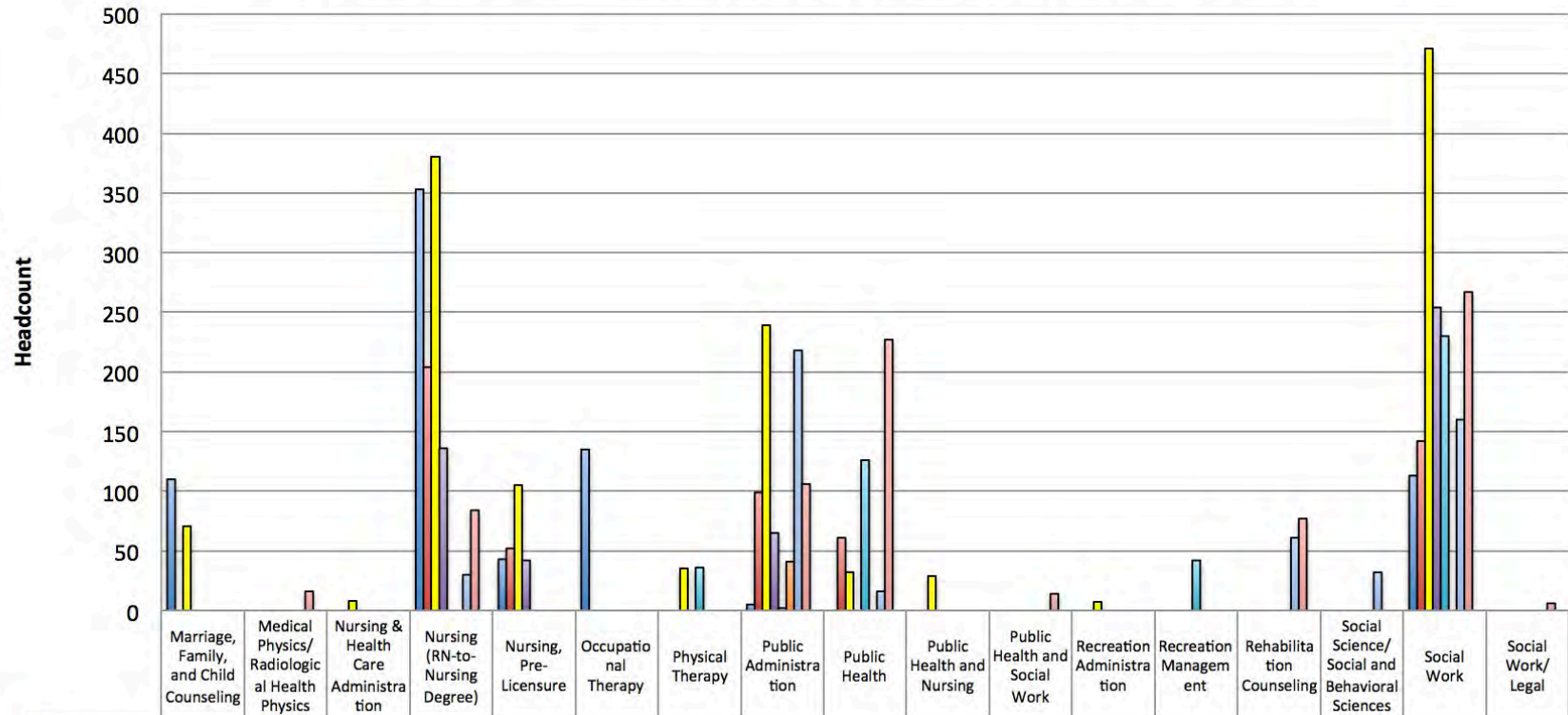
	Aerospace Engineering	Bioinformatics	Biotechnology	Civil Engineering	Computer Engineering	Computer Science	Electrical Engineering	Engineering	Environmental Engineering	Industrial Management and Engineering	Manufacturing Engineering	Mechanical Engineering	Quantitative Methods and Business Analysis	Software Engineering	Structural Engineering	Systems Engineering
■ Dominguez Hills	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0
■ Fullerton	0	0	7	164	3	309	133	0	78	0	0	62	3	122	0	6
■ Long Beach	43	0	0	74	0	220	202	44	0	0	0	46	0	0	0	0
■ Los Angeles	0	0	4	62	0	119	147	0	0	0	0	62	0	0	0	0
■ Northridge	0	0	0	0	0	53	191	24	0	138	45	87	0	25	57	0
■ Pomona	0	0	7	0	0	60	68	13	0	35	0	46	0	0	102	0
■ San Bernardino	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0
■ San Diego	27	33	0	85	0	224	117	0	0	0	14	49	0	0	0	0
■ San Marcos	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0

Health & Human Masters Headcount 2013 (1 of 2 charts)



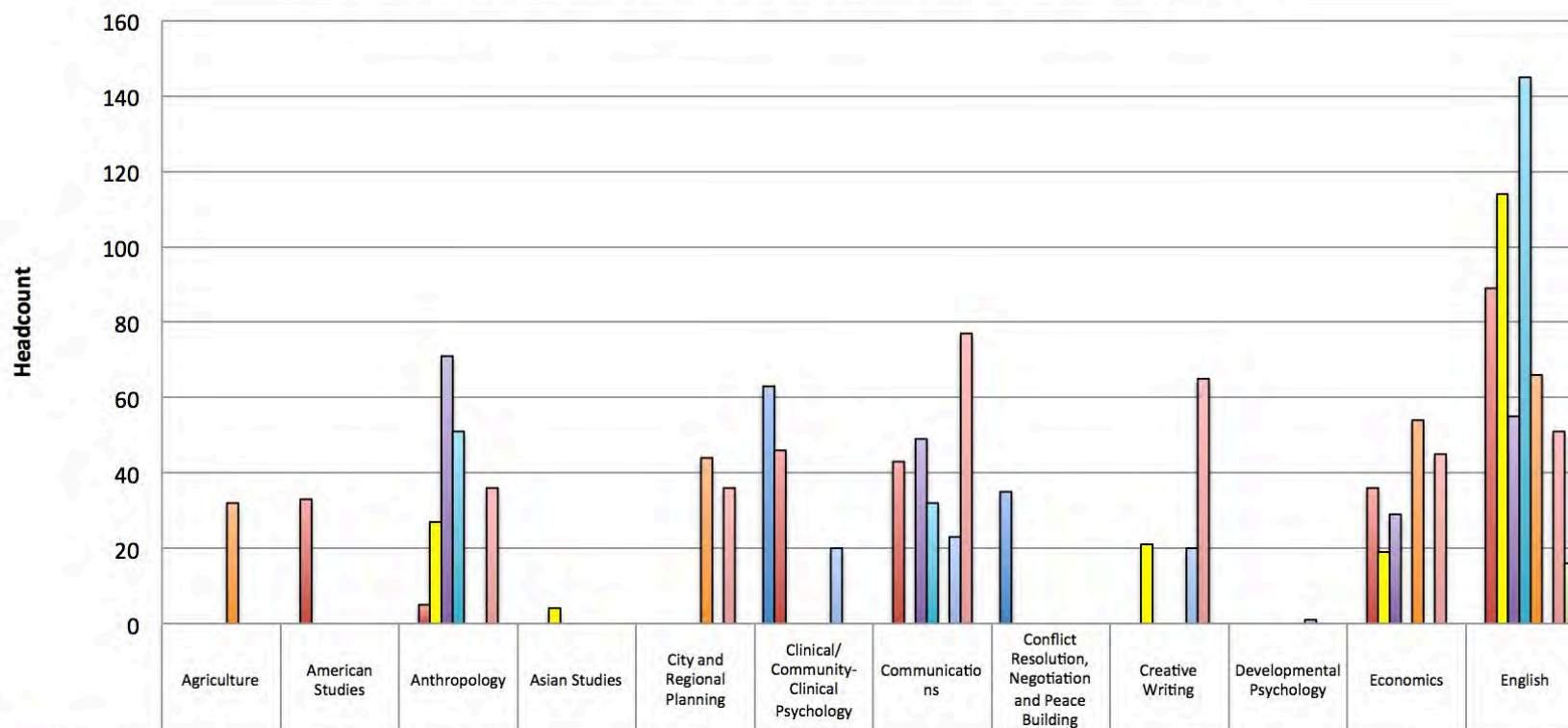
Program	Dominguez Hills	Fullerton	Long Beach	Los Angeles	Northridge	Pomona	San Bernardino	San Diego	San Marcos
Communicative Disorders	0	65	52	42	155	0	0	78	0
Criminal Justice	0	0	14	0	0	0	21	6	0
Criminology	0	0	0	0	0	0	0	24	0
Dietetics & Food Administration/ Nutritional Science	0	0	54	99	0	0	0	36	0
Emergency Services Administration	0	0	1	0	0	0	0	0	0
Environmental and Occupational Health	0	0	0	0	47	0	0	0	0
Exercise Physiology	0	0	5	0	0	0	0	24	0
Exercise Physiology & Nutrition	0	0	0	0	0	0	0	21	0
Family and Consumer Sciences/ Home Economics	0	0	2	0	183	0	0	0	0
Forensic Science	0	0	0	23	0	0	0	0	0
Gerontology	0	28	32	0	0	0	0	3	0
Health Care Management/ Administration	0	0	43	44	74	0	11	0	0
Health Science	0	0	0	0	0	0	4	0	0
Industrial/Organizational Psychology	0	0	17	0	0	0	20	0	0
Kinesiology/ Physical Education	0	98	81	20	52	14	0	22	0

Health & Human Masters Headcount 2013 (2 of 2 charts)



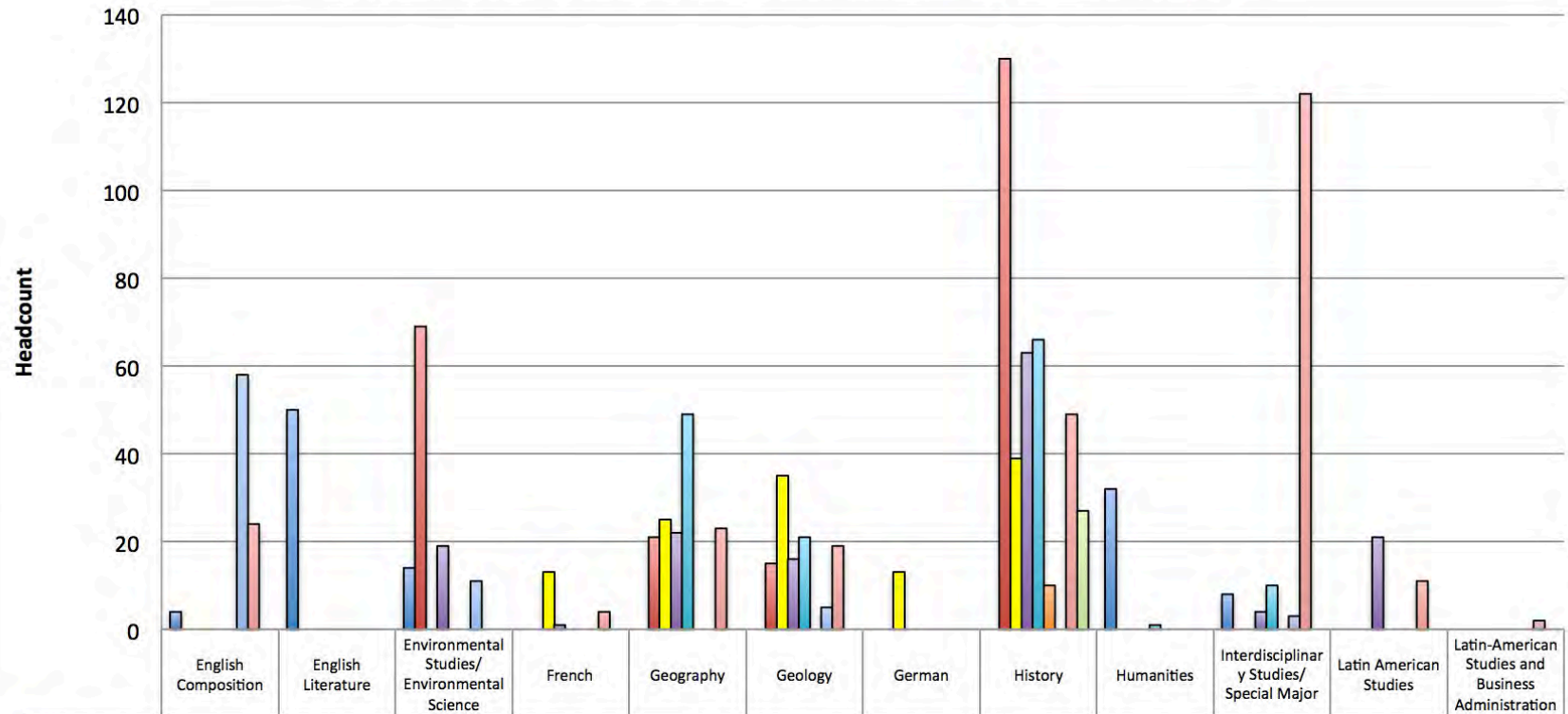
	Marriage, Family, and Child Counseling	Medical Physics/Radiological Health Physics	Nursing & Health Care Administration	Nursing (RN-to-Nursing Degree)	Nursing, Pre-Licensure	Occupational Therapy	Physical Therapy	Public Administration	Public Health	Public Health and Nursing	Public Health and Social Work	Recreation Administration	Recreation Management	Rehabilitation Counseling	Social Science/Social and Behavioral Sciences	Social Work	Social Work/Legal
Dominguez Hills	110	0	0	353	43	135	0	5	0	0	0	0	0	0	0	113	0
Fullerton	0	0	0	204	52	0	0	99	61	0	0	0	0	0	0	142	0
Long Beach	71	0	8	380	105	0	35	239	32	29	0	7	0	0	0	471	0
Los Angeles	0	0	0	136	42	0	0	65	0	0	0	0	0	0	0	254	0
Northridge	0	0	0	0	0	0	36	2	126	0	0	0	42	0	0	230	0
Pomona	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	30	0	0	0	218	16	0	0	0	0	61	32	160	0
San Diego	0	16	0	84	0	0	0	106	227	0	14	0	0	77	0	267	6
San Marcos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Liberal Art Masters Headcount 2013 (1 of 3 charts)



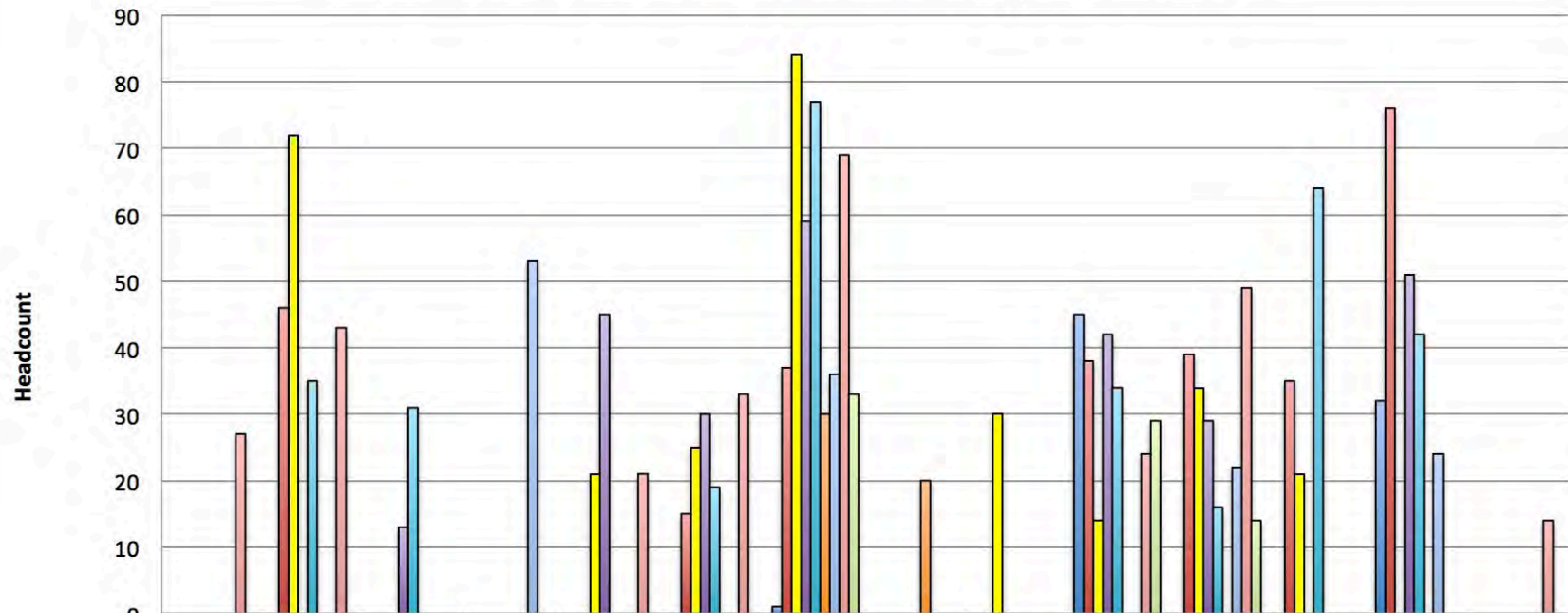
	Agriculture	American Studies	Anthropology	Asian Studies	City and Regional Planning	Clinical/Community-Clinical Psychology	Communications	Conflict Resolution, Negotiation and Peace Building	Creative Writing	Developmental Psychology	Economics	English
■ Dominguez Hills	0	0	0	0	0	63	0	35	0	0	0	0
■ Fullerton	0	33	5	0	0	46	43	0	0	0	36	89
■ Long Beach	0	0	27	4	0	0	0	0	21	0	19	114
■ Los Angeles	0	0	71	0	0	0	49	0	0	0	29	55
■ Northridge	0	0	51	0	0	0	32	0	0	0	0	145
■ Pomona	32	0	0	0	44	0	0	0	0	0	54	66
■ San Bernardino	0	0	0	0	0	20	23	0	20	1	0	0
■ San Diego	0	0	36	0	36	0	77	0	65	0	45	51
■ San Marcos	0	0	0	0	0	0	0	0	0	0	0	16

Liberal Arts Masters Headcount 2013 (2 of 3 charts)



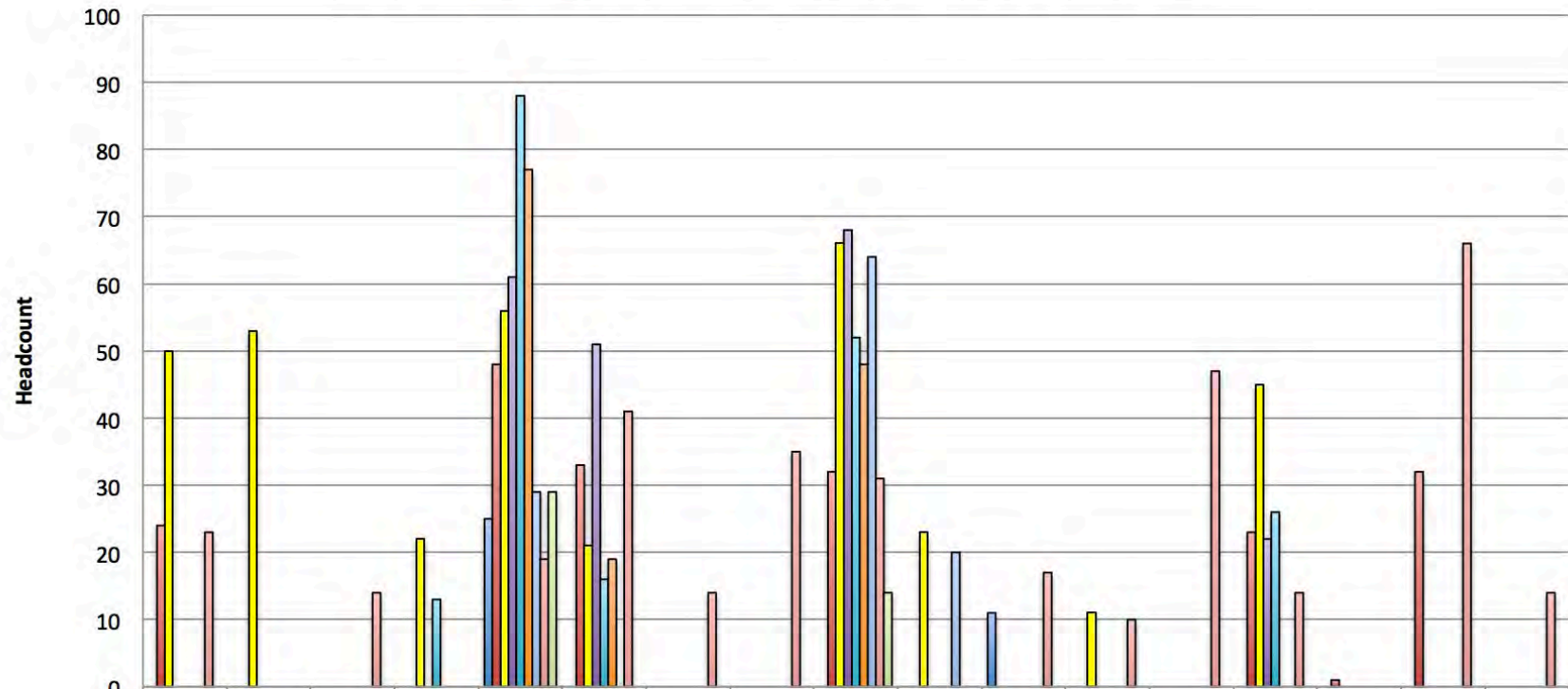
	English Composition	English Literature	Environmental Studies/Environmental Science	French	Geography	Geology	German	History	Humanities	Interdisciplinary Studies/Special Major	Latin American Studies	Latin-American Studies and Business Administration
Dominguez Hills	4	50	14	0	0	0	0	0	32	8	0	0
Fullerton	0	0	69	0	21	15	0	130	0	0	0	0
Long Beach	0	0	0	13	25	35	13	39	0	0	0	0
Los Angeles	0	0	19	1	22	16	0	63	0	4	21	0
Northridge	0	0	0	0	49	21	0	66	1	10	0	0
Pomona	0	0	0	0	0	0	0	10	0	0	0	0
San Bernardino	58	0	11	0	0	5	0	0	0	3	0	0
San Diego	24	0	0	4	23	19	0	49	0	122	11	2
San Marcos	0	0	0	0	0	0	0	27	0	0	0	0

Liberal Arts Masters Headcount 2013 (3 of 3 charts)



	Liberal Arts	Linguistics	Mexican-American/Chicano/Chicana Studies	National Security Studies	Philosophy	Political Science/Government	Psychology	Regenerative Studies	Religious Studies	Sociology	Spanish	Speech Communication	Teaching English to Speakers of Other Languages	Women's Studies
■ Dominguez Hills	0	0	0	0	0	0	1	0	0	45	0	0	32	0
■ Fullerton	0	46	0	0	0	15	37	0	0	38	39	35	76	0
■ Long Beach	0	72	0	0	21	25	84	0	30	14	34	21	0	0
■ Los Angeles	0	0	13	0	45	30	59	0	0	42	29	0	51	0
■ Northridge	0	35	31	0	0	19	77	0	0	34	16	64	42	0
■ Pomona	0	0	0	0	0	0	30	20	0	0	0	0	0	0
■ San Bernardino	0	0	0	53	0	0	36	0	0	0	22	0	24	0
■ San Diego	27	43	0	0	21	33	69	0	0	24	49	0	0	14
■ San Marcos	0	0	0	0	0	0	33	0	0	29	14	0	0	0

Science & Mathematics Masters Headcount 2013



	Applied Mathematics	Applied Statistics	Astronomy	Biochemistry	Biology	Chemistry	Computational Science	Ecology	Mathematics	Mathematics and Science Education	Mathematics Education	Microbiology	Molecular Biology	Physics	Science	Statistics	Zoology
■ Dominguez Hills	0	0	0	0	25	0	0	0	0	0	11	0	0	0	0	0	0
■ Fullerton	24	0	0	0	48	33	0	0	32	0	0	0	0	23	1	32	0
■ Long Beach	50	53	0	22	56	21	0	0	66	23	0	11	0	45	0	0	0
■ Los Angeles	0	0	0	0	61	51	0	0	68	0	0	0	0	22	0	0	0
■ Northridge	0	0	0	13	88	16	0	0	52	0	0	0	0	26	0	0	0
■ Pomona	0	0	0	0	77	19	0	0	48	0	0	0	0	0	0	0	0
■ San Bernardino	0	0	0	0	29	0	0	0	64	20	0	0	0	0	0	0	0
■ San Diego	23	0	14	0	19	41	14	35	31	0	17	10	47	14	0	66	14
■ San Marcos	0	0	0	0	29	0	0	0	14	0	0	0	0	0	0	0	0

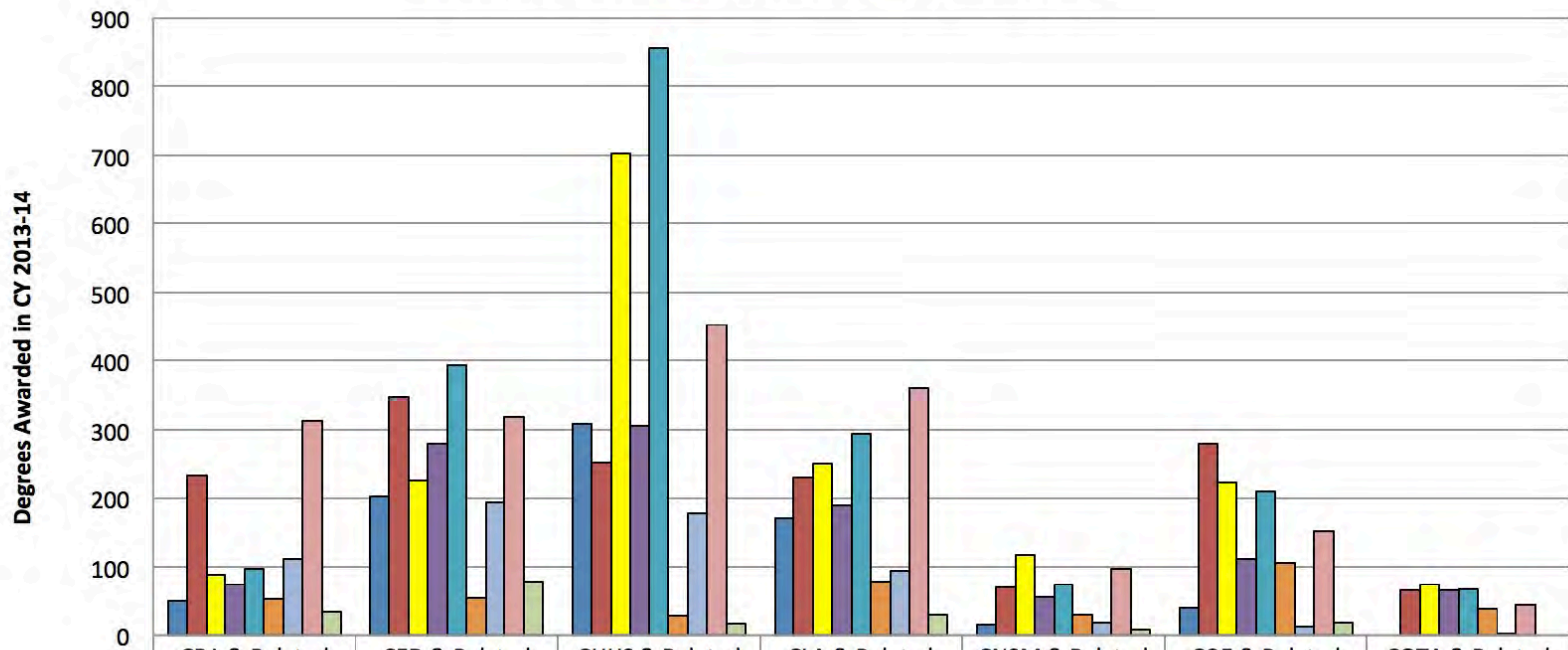
Appendix - B

Degrees Awarded by College and Department – CY 2014

The data on degrees awarded was collected for all nine campuses for the college year of 2014 using data provided by the CSU Chancellor's Office. The organization of graduate programs and colleges varies by campus. For the purposes of this study, the graduate programs are organized into the college structure represented at CSU Long Beach, and listed in alphabetical order.

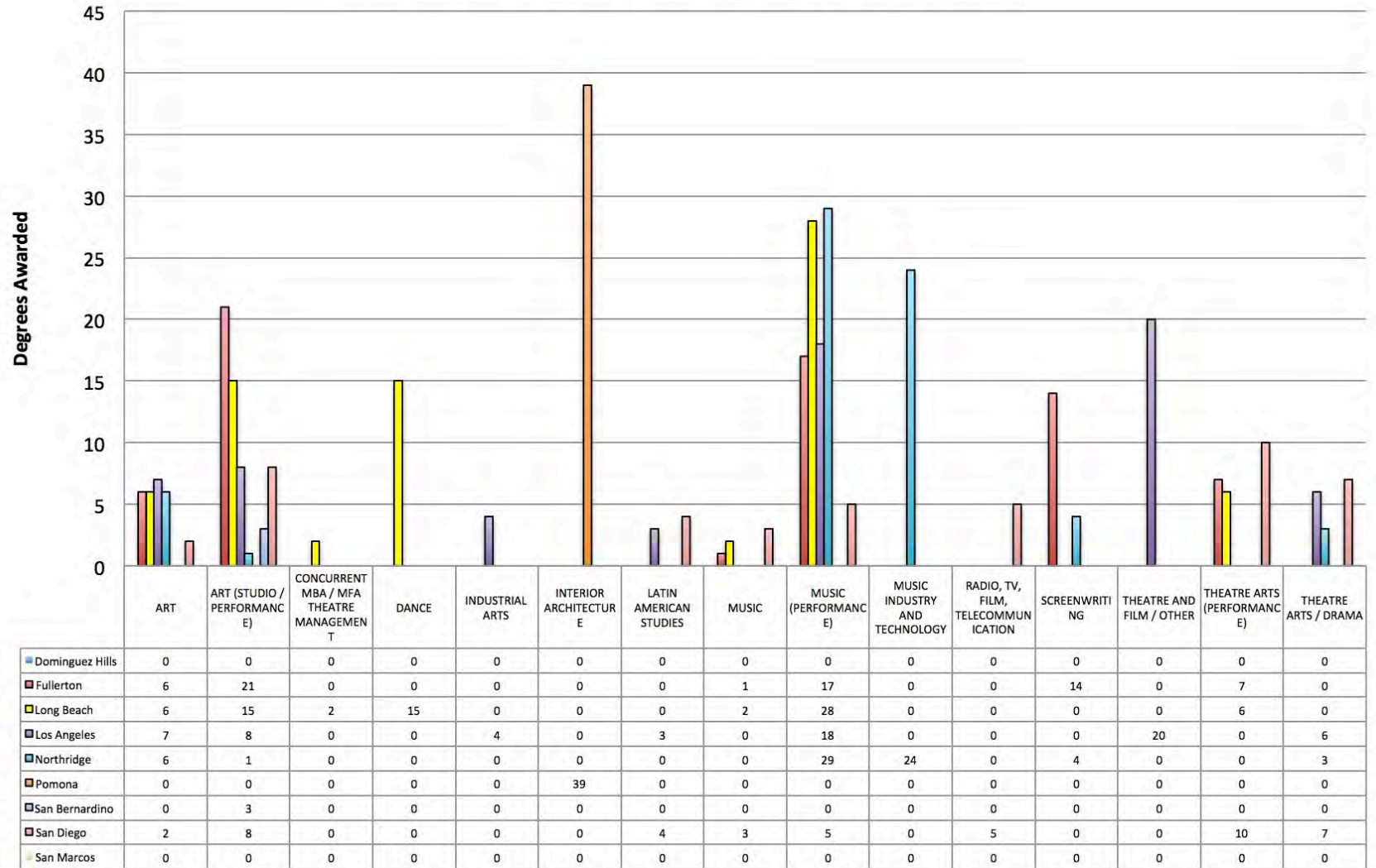
Unlike the graduation rates measured in the cohort model, the degrees awarded data is used to understand the physical number of degrees conferred to students graduating with master's degrees.

Masters Degree Awarded by College

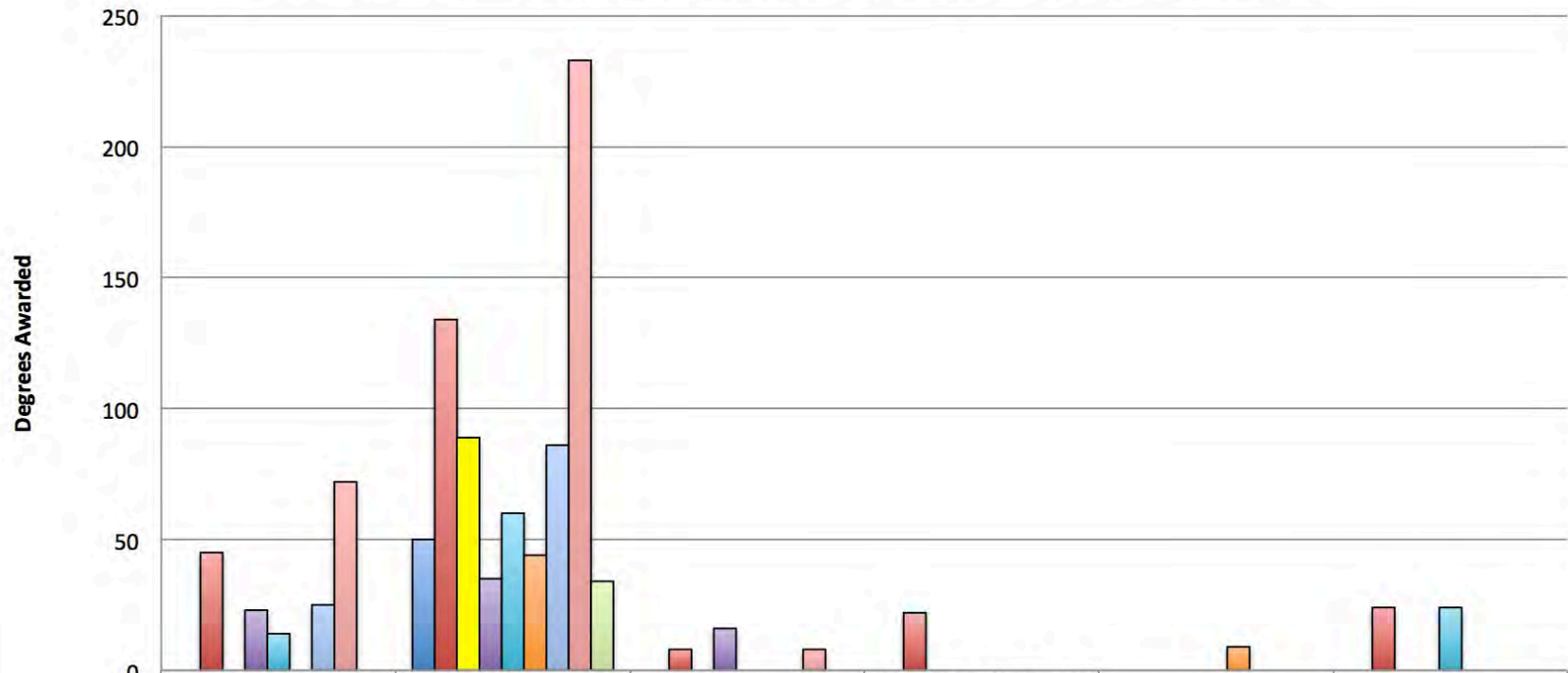


	CBA & Related	CED & Related	CHHS & Related	CLA & Related	CNSM & Related	COE & Related	COTA & Related
■ Dominguez Hills	50	202	308	171	16	40	0
■ Fullerton	233	347	251	229	70	280	66
■ Long Beach	89	225	703	249	118	222	74
■ Los Angeles	74	280	306	190	55	112	66
■ Northridge	98	393	856	294	74	210	67
■ Pomona	53	54	28	79	29	106	39
■ San Bernardino	111	193	178	94	18	13	3
■ San Diego	313	319	453	361	98	152	44
■ San Marcos	34	79	17	29	8	18	0

Art Masters Degrees Awarded in CY2014

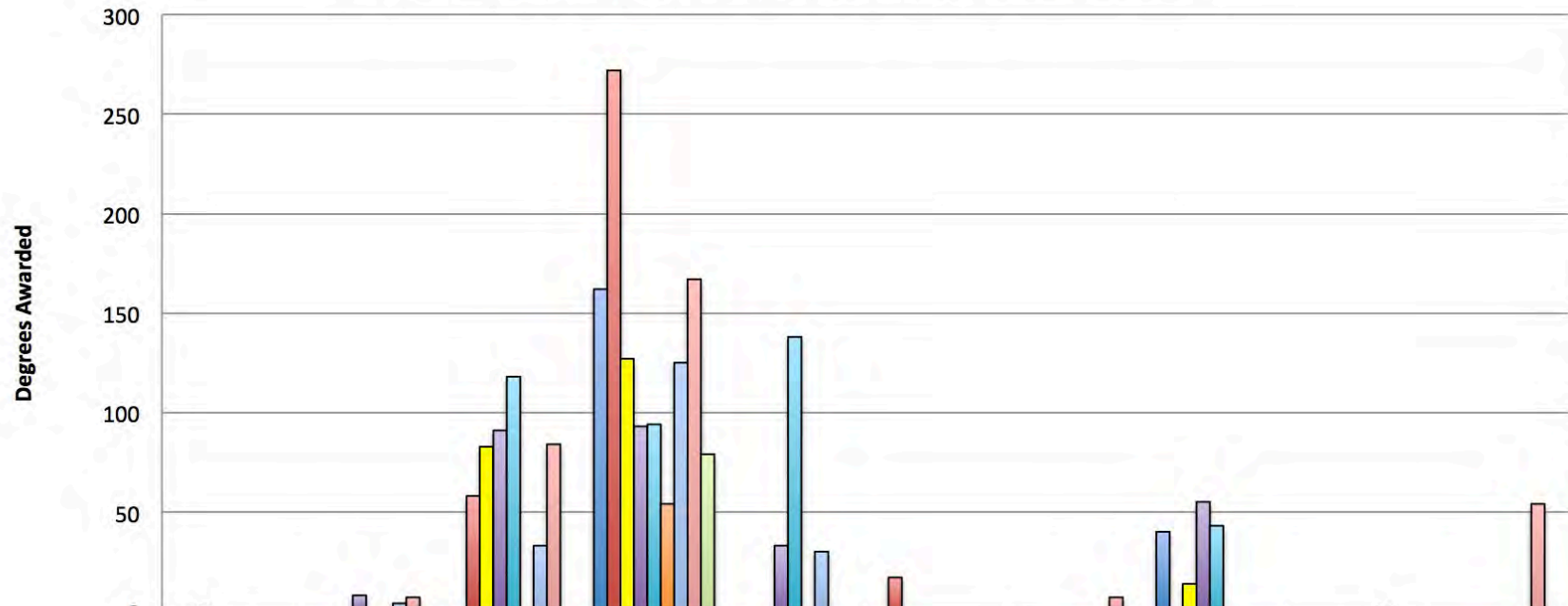


Business Administration Masters Degrees Awarded in CY2014



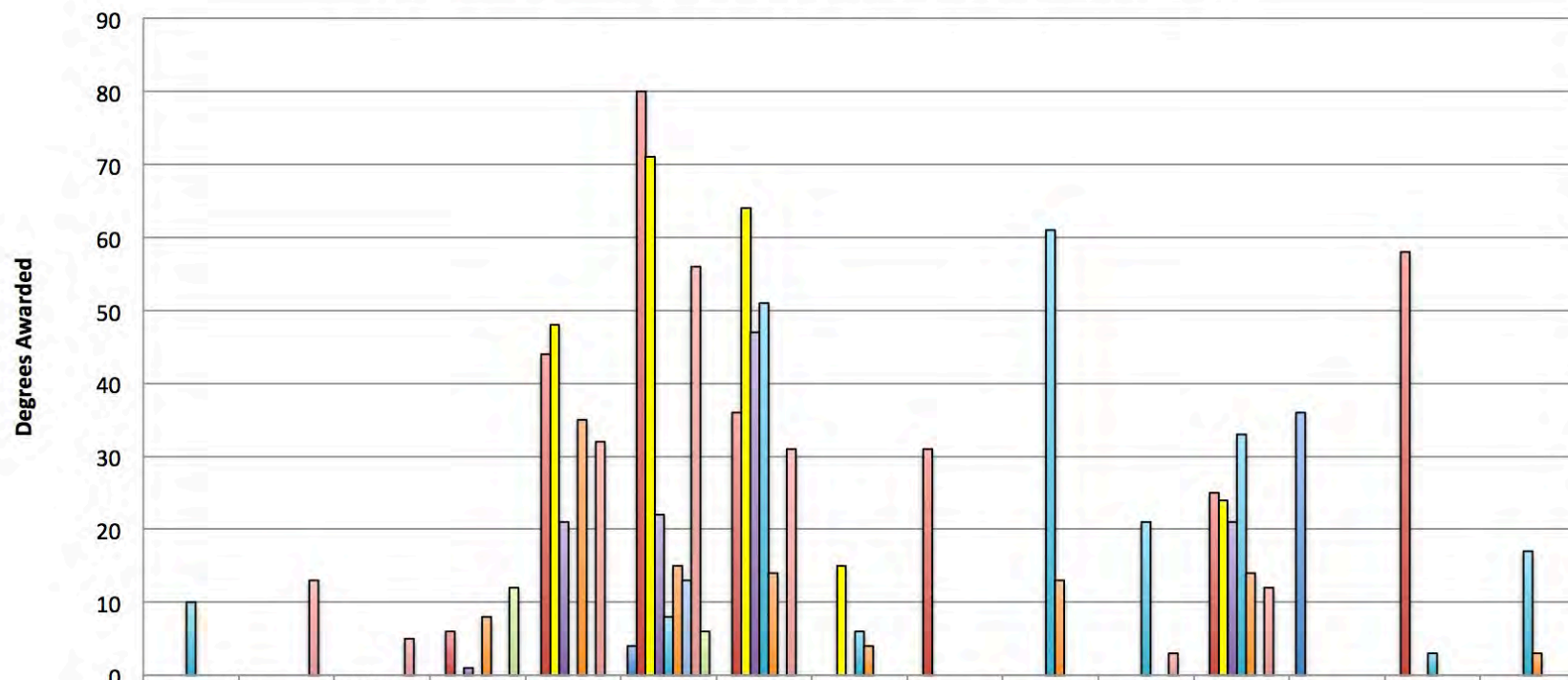
	ACCOUNTANCY	BUSINESS ADMINISTRATION	INFORMATION SYSTEMS	INFORMATION TECHNOLOGY MANAGEMENT	LANDSCAPE ARCHITECTURE	TAXATION
■ Dominguez Hills	0	50	0	0	0	0
■ Fullerton	45	134	8	22	0	24
■ Long Beach	0	89	0	0	0	0
■ Los Angeles	23	35	16	0	0	0
■ Northridge	14	60	0	0	0	24
■ Pomona	0	44	0	0	9	0
■ San Bernardino	25	86	0	0	0	0
■ San Diego	72	233	8	0	0	0
■ San Marcos	0	34	0	0	0	0

Education Masters Degrees Awarded in CY2014



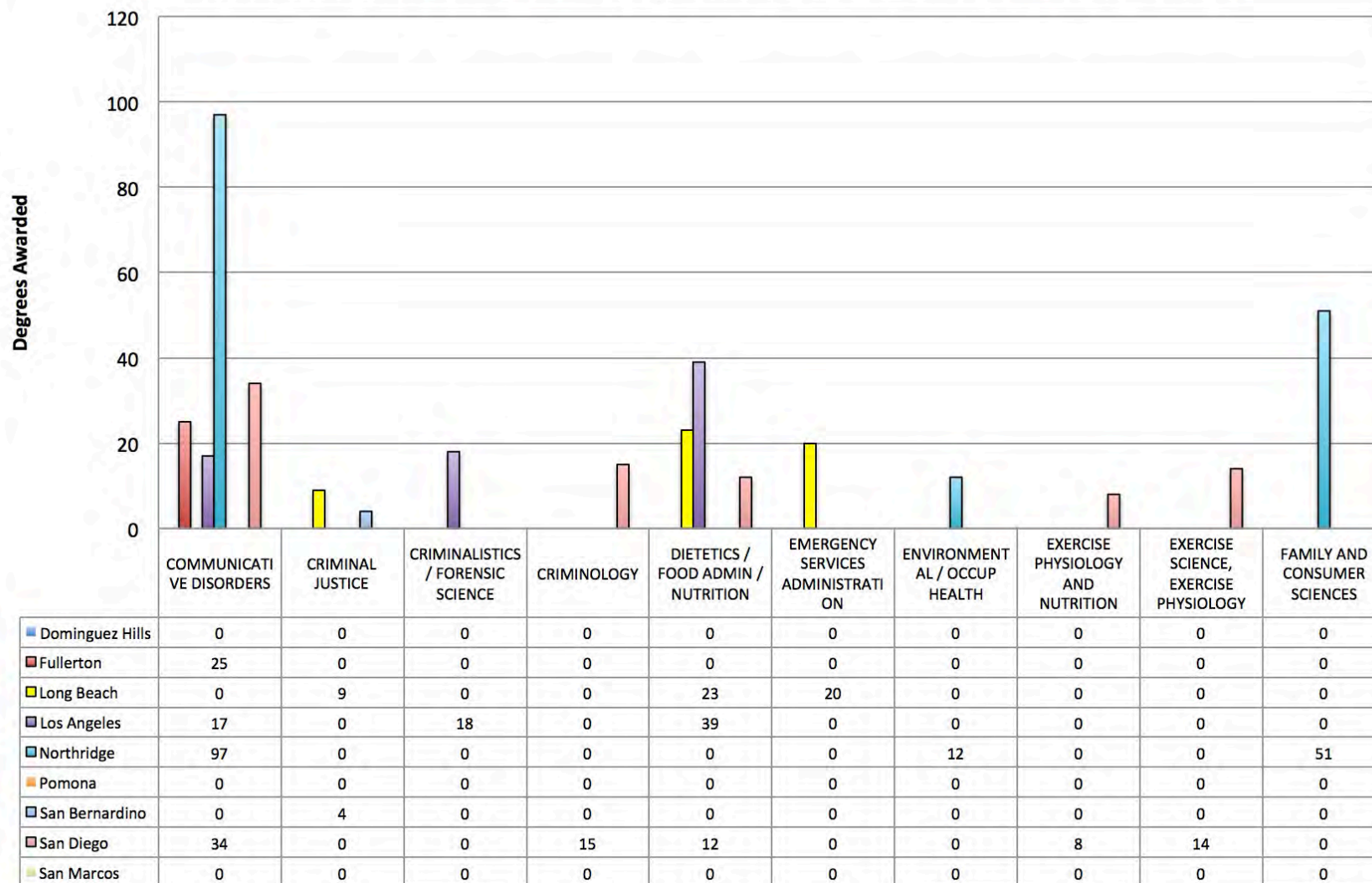
	CAREER AND TECHNICAL STUDIES	CHILD DEVELOPMENT, EARLY CHILDHOOD EDUCATION	COUNSELING AND GUIDANCE	EDUCATION	EDUCATIONAL ADMINISTRATION, LEADERSHIP	INSTRUCTIONAL MEDIA, TECHNOLOGY	SCHOOL PSYCHOLOGY	SPECIAL EDUCATION	STEM EDUCATION	TEACHING, MASTER'S
Dominguez Hills	0	0	0	162	0	0	0	40	0	0
Fullerton	0	0	58	272	0	17	0	0	0	0
Long Beach	1	0	83	127	0	0	0	14	0	0
Los Angeles	0	8	91	93	33	0	0	55	0	0
Northridge	0	0	118	94	138	0	0	43	0	0
Pomona	0	0	0	54	0	0	0	0	0	0
San Bernardino	0	4	33	125	30	0	0	0	1	0
San Diego	0	7	84	167	0	0	7	0	0	54
San Marcos	0	0	0	79	0	0	0	0	0	0

Engineering Masters Degrees Awarded in CY2014

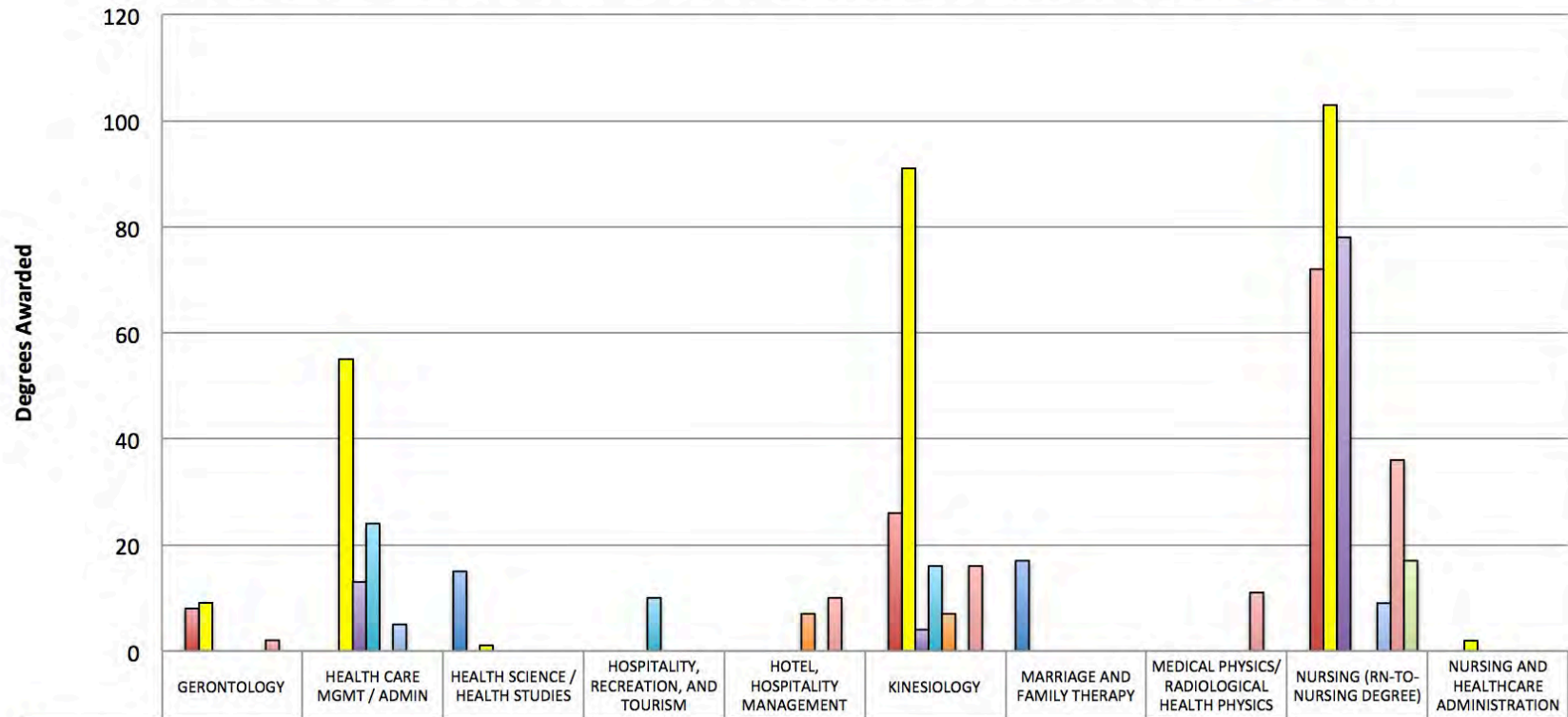


	ASSISTIVE TECHNOLOGY ENGINEERING	BIOINFORMATICS	BIOMEDICAL ENGINEERING, BIOENGINEERING	BIOTECHNOLOGY	CIVIL ENGINEERING	COMPUTER SCIENCE	ELECTRICAL ENGINEERING	ENGINEERING	ENVIRONMENTAL ENGINEERING	INDUSTRIAL MGMT AND ENGINEERING	MANUFACTURING ENGINEERING	MECHANICAL ENGINEERING	QUALITY ASSURANCE	SOFTWARE ENGINEERING	STRUCTURAL ENGINEERING
Dominguez Hills	0	0	0	0	0	4	0	0	0	0	0	0	36	0	0
Fullerton	0	0	0	6	44	80	36	0	31	0	0	25	0	58	0
Long Beach	0	0	0	0	48	71	64	15	0	0	0	24	0	0	0
Los Angeles	0	0	0	1	21	22	47	0	0	0	0	21	0	0	0
Northridge	10	0	0	0	0	8	51	6	0	61	21	33	0	3	17
Pomona	0	0	0	8	35	15	14	4	0	13	0	14	0	0	3
San Bernardino	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0
San Diego	0	13	5	0	32	56	31	0	0	0	3	12	0	0	0
San Marcos	0	0	0	12	0	6	0	0	0	0	0	0	0	0	0

Health & Human Masters Degrees Awarded in CY2014 (1 of 3 charts)

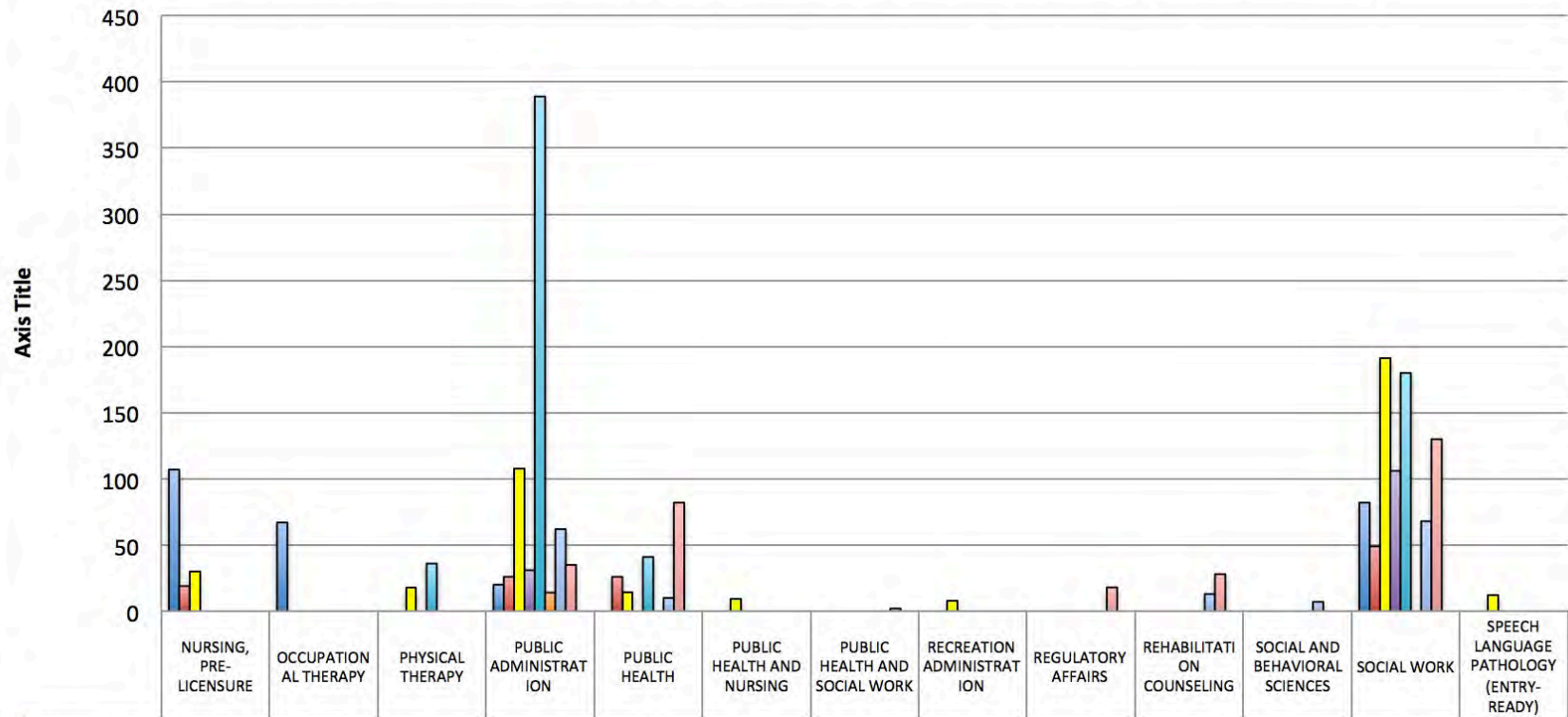


Health & Human Masters Degrees Awarded in CY2014 (2 of 3 charts)



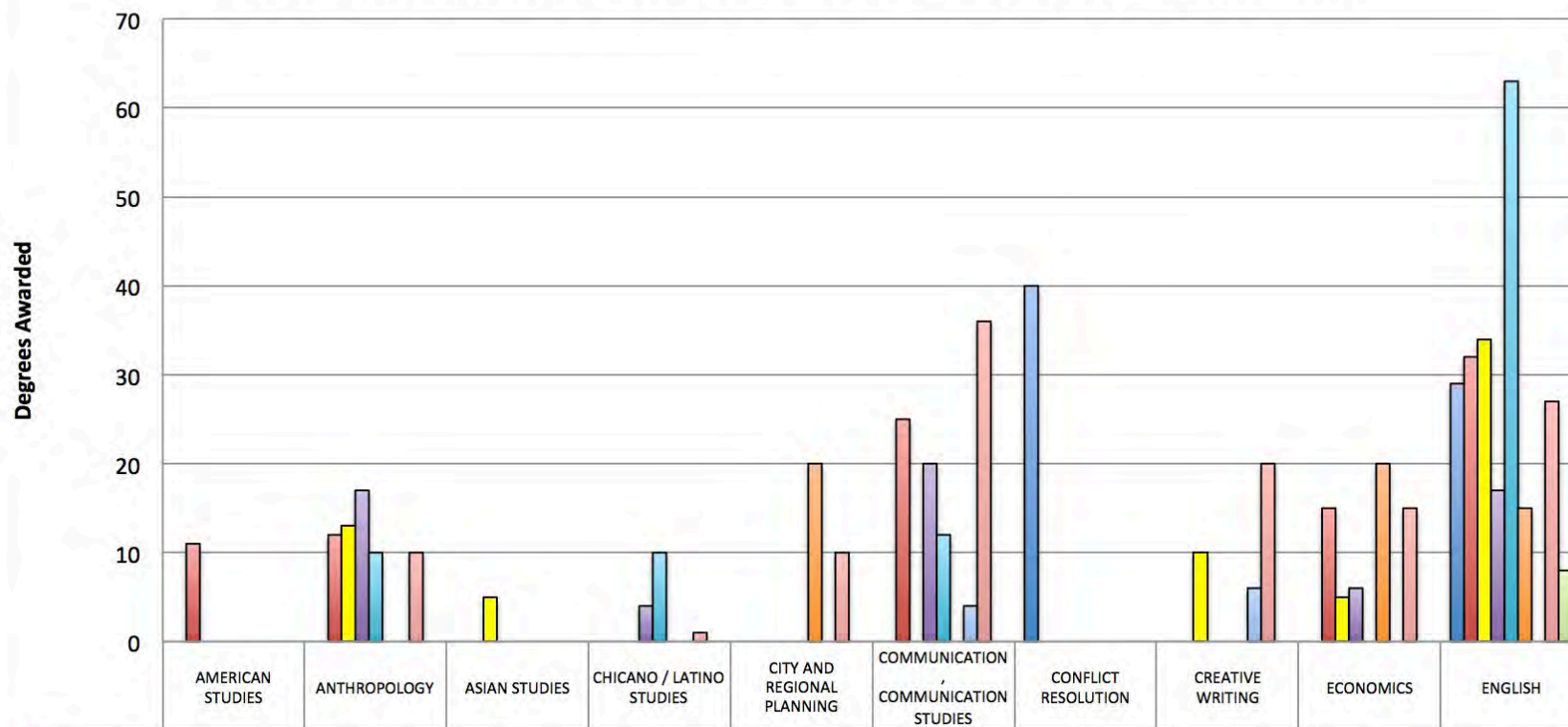
	GERONTOLOGY	HEALTH CARE MGMT / ADMIN	HEALTH SCIENCE / HEALTH STUDIES	HOSPITALITY, RECREATION, AND TOURISM	HOTEL, HOSPITALITY MANAGEMENT	KINESIOLOGY	MARRIAGE AND FAMILY THERAPY	MEDICAL PHYSICS/ RADIOLOGICAL HEALTH PHYSICS	NURSING (RN-TO-NURSING DEGREE)	NURSING AND HEALTHCARE ADMINISTRATION
Dominguez Hills	0	0	15	0	0	0	17	0	0	0
Fullerton	8	0	0	0	0	26	0	0	72	0
Long Beach	9	55	1	0	0	91	0	0	103	2
Los Angeles	0	13	0	0	0	4	0	0	78	0
Northridge	0	24	0	10	0	16	0	0	0	0
Pomona	0	0	0	0	7	7	0	0	0	0
San Bernardino	0	5	0	0	0	0	0	0	9	0
San Diego	2	0	0	0	10	16	0	11	36	0
San Marcos	0	0	0	0	0	0	0	0	17	0

Health & Human Masters Degree Awarded in CY2014 (3 of 3 charts)



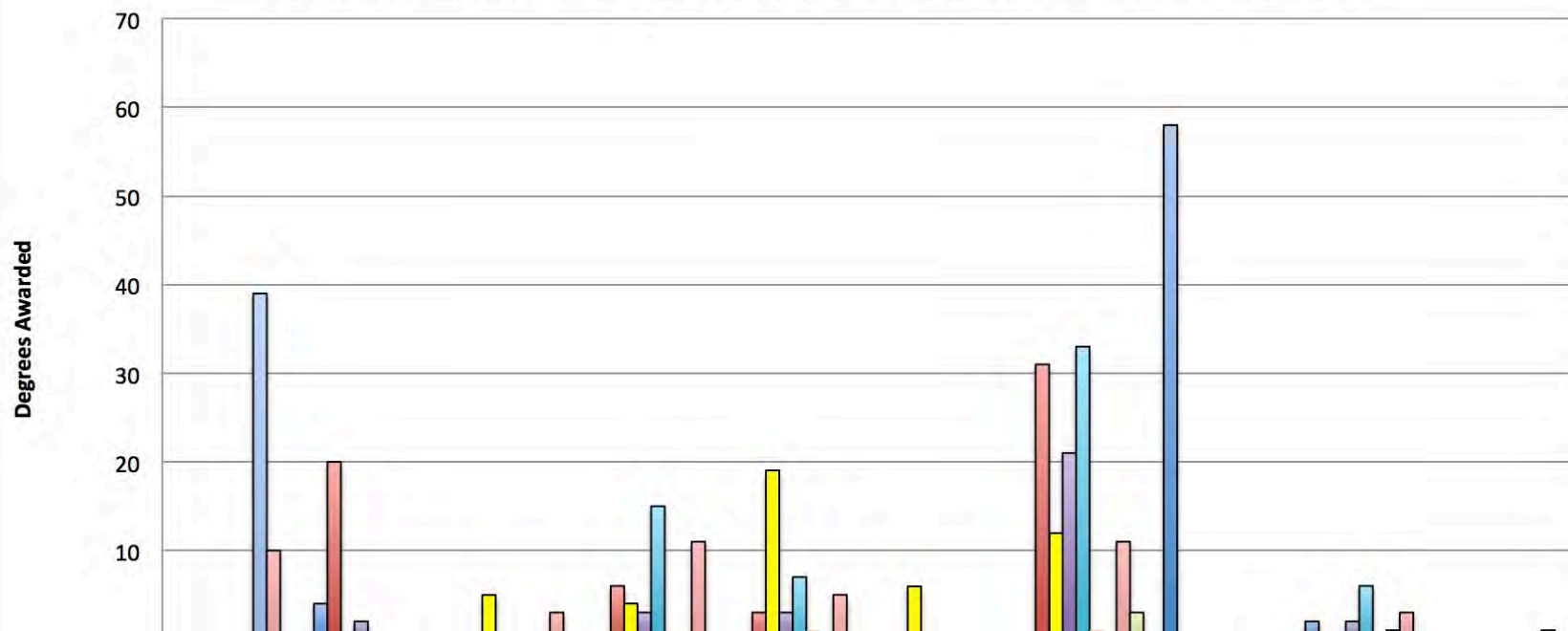
	NURSING, PRE-LICENSURE	OCCUPATIONAL THERAPY	PHYSICAL THERAPY	PUBLIC ADMINISTRATION	PUBLIC HEALTH	PUBLIC HEALTH AND NURSING	PUBLIC HEALTH AND SOCIAL WORK	RECREATION ADMINISTRATION	REGULATORY AFFAIRS	REHABILITATION COUNSELING	SOCIAL AND BEHAVIORAL SCIENCES	SOCIAL WORK	SPEECH LANGUAGE PATHOLOGY (ENTRY-READY)
Dominguez Hills	107	67	0	20	0	0	0	0	0	0	0	82	0
Fullerton	19	0	0	26	26	0	0	0	0	0	0	49	0
Long Beach	30	0	18	108	14	9	0	8	0	0	0	191	12
Los Angeles	0	0	0	31	0	0	0	0	0	0	0	106	0
Northridge	0	0	36	389	41	0	0	0	0	0	0	180	0
Pomona	0	0	0	14	0	0	0	0	0	0	0	0	0
San Bernardino	0	0	0	62	10	0	0	0	0	13	7	68	0
San Diego	0	0	0	35	82	0	2	0	18	28	0	130	0
San Marcos	0	0	0	0	0	0	0	0	0	0	0	0	0

Liberal Arts Masters Degrees Awarded in CY2014 (1 of 3 charts)



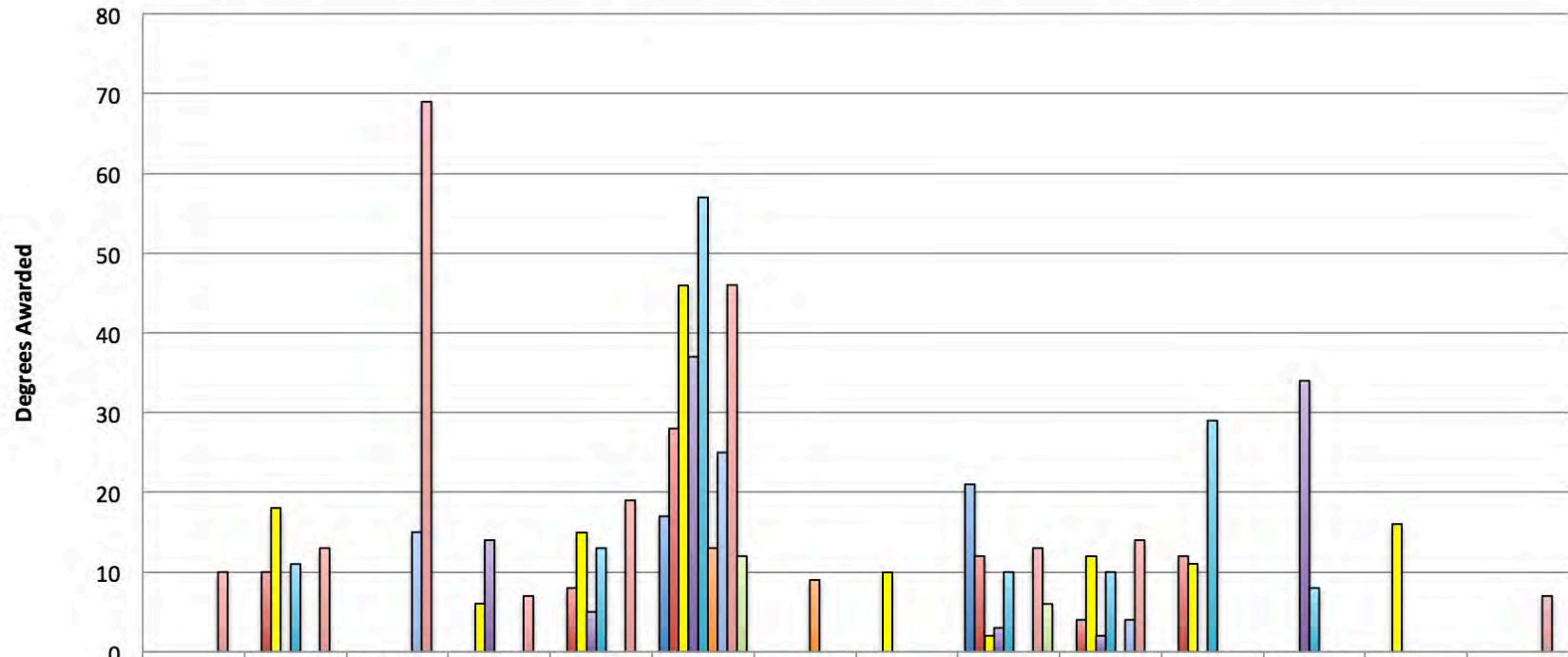
	AMERICAN STUDIES	ANTHROPOLOGY	ASIAN STUDIES	CHICANO / LATINO STUDIES	CITY AND REGIONAL PLANNING	COMMUNICATION / COMMUNICATION STUDIES	CONFLICT RESOLUTION	CREATIVE WRITING	ECONOMICS	ENGLISH
Dominguez Hills	0	0	0	0	0	0	40	0	0	29
Fullerton	11	12	0	0	0	25	0	0	15	32
Long Beach	0	13	5	0	0	0	0	10	5	34
Los Angeles	0	17	0	4	0	20	0	0	6	17
Northridge	0	10	0	10	0	12	0	0	0	63
Pomona	0	0	0	0	20	0	0	0	20	15
San Bernardino	0	0	0	0	0	4	0	6	0	0
San Diego	0	10	0	1	10	36	0	20	15	27
San Marcos	0	0	0	0	0	0	0	0	0	8

Liberal Arts Masters Degrees Awarded in CY2014 (2 of 3 charts)



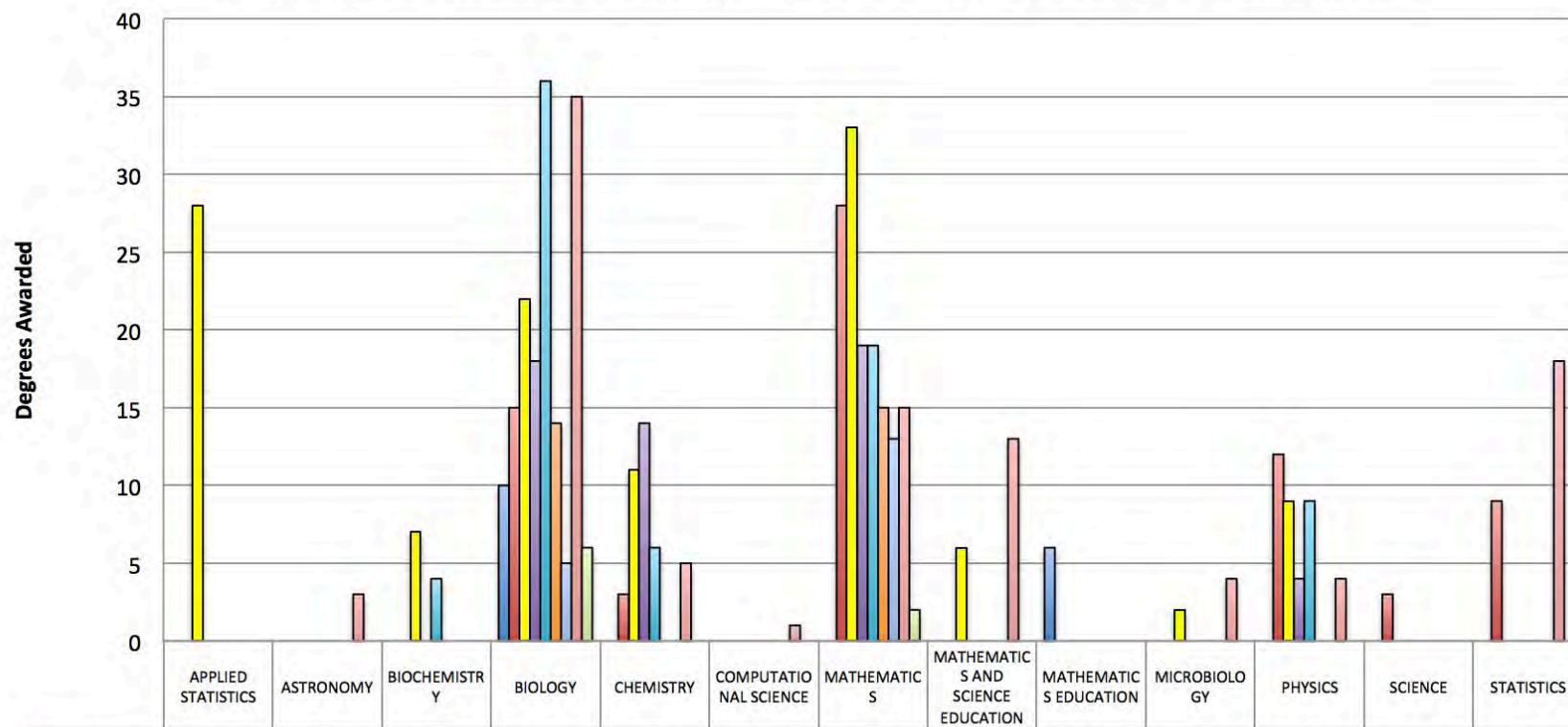
	ENGLISH COMPOSITION	ENVIRONMENTAL SCIENCE	FRENCH	GEOGRAPHY	GEOLOGY	GERMAN	HISTORY	HUMANITIES	INTERDISCIPLINARY STUDIES / SPECIAL MAJOR	LATIN-AMERICAN STUDIES / BUSINESS ADMIN (CONCURRENT)
Dominguez Hills	0	4	0	0	0	0	0	58	2	0
Fullerton	0	20	0	6	3	0	31	0	0	0
Long Beach	0	0	5	4	19	6	12	0	0	0
Los Angeles	0	2	0	3	3	0	21	0	2	0
Northridge	0	0	0	15	7	0	33	0	6	0
Pomona	0	0	0	0	1	0	1	0	0	0
San Bernardino	39	0	0	0	0	0	0	0	1	0
San Diego	10	0	3	11	5	0	11	0	3	1
San Marcos	0	0	0	0	0	0	3	0	0	0

Liberal Arts Masters Degrees Awarded in CY2014 (3 of 3 charts)



	LIBERAL ARTS	LINGUISTICS	NATIONAL SECURITY STUDIES / HOMELAND SECURITY	PHILOSOPHY	POLITICAL SCIENCE / GOVERNMENT	PSYCHOLOGY	REGENERATIVE STUDIES	RELIGIOUS STUDIES	SOCIOLOGY / APPLIED SOCIOLOGY	SPANISH	SPEECH COMMUNICATION	TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES	TRANSPORTATION, LOGISTICS MGMT	WOMEN'S STUDIES
■ Dominguez Hills	0	0	0	0	0	17	0	0	21	0	0	0	0	0
■ Fullerton	0	10	0	0	8	28	0	0	12	4	12	0	0	0
■ Long Beach	0	18	0	6	15	46	0	10	2	12	11	0	16	0
■ Los Angeles	0	0	0	14	5	37	0	0	3	2	0	34	0	0
■ Northridge	0	11	0	0	13	57	0	0	10	10	29	8	0	0
■ Pomona	0	0	0	0	0	13	9	0	0	0	0	0	0	0
■ San Bernardino	0	0	15	0	0	25	0	0	0	4	0	0	0	0
■ San Diego	10	13	69	7	19	46	0	0	13	14	0	0	0	7
■ San Marcos	0	0	0	0	0	12	0	0	6	0	0	0	0	0

Natural Science & Mathematics Masters Degrees Awarded in CY2014



	APPLIED STATISTICS	ASTRONOMY	BIOCHEMISTRY	BIOLOGY	CHEMISTRY	COMPUTATIONAL SCIENCE	MATHEMATICS	MATHEMATICS AND SCIENCE EDUCATION	MATHEMATICS EDUCATION	MICROBIOLOGY	PHYSICS	SCIENCE	STATISTICS
Dominguez Hills	0	0	0	10	0	0	0	0	6	0	0	0	0
Fullerton	0	0	0	15	3	0	28	0	0	0	12	3	9
Long Beach	28	0	7	22	11	0	33	6	0	2	9	0	0
Los Angeles	0	0	0	18	14	0	19	0	0	0	4	0	0
Northridge	0	0	4	36	6	0	19	0	0	0	9	0	0
Pomona	0	0	0	14	0	0	15	0	0	0	0	0	0
San Bernardino	0	0	0	5	0	0	13	0	0	0	0	0	0
San Diego	0	3	0	35	5	1	15	13	0	4	4	0	18
San Marcos	0	0	0	6	0	0	2	0	0	0	0	0	0