



Graduate Enrollment and Degrees: 2009 to 2019

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Quick Takes

The CGS/GRE Survey of Graduate Enrollment and Degrees is the comprehensive source of information on master's/other and doctoral program applications, enrollment, and degrees in the United States. This report highlights findings from Fall 2019 with detailed data tables. Below are key points from this year's survey.

HIGHLIGHTS BY SELECTED INSTITUTIONAL TYPES

- Overall, applications for admission to graduate school in Fall 2019 flattened (-0.6%). The change of applications was driven by Doctoral Universities with Very High Research Activities and Doctoral Universities with High Research Activities (0.4% and 1.1%, respectively), with a decrease in applications to Doctoral/Professional Universities as well as to Master's Colleges and Universities (-9.9% and -2.8%, Table C.1).
- First-time enrollment increased by 2.5% overall between Fall 2018 and Fall 2019. This includes a 3.2% increase in Doctoral Very High Research Institutions, 3.0% increase in Doctoral Universities with High Research Activities, and 0.7% increase in Master's Colleges and Universities, with modest decreases in first-time enrollment in Doctoral/Professional Universities (-0.1%, Table C.4).
- Between Fall 2018 and Fall 2019, total graduate enrollment increased by 1.3%. Over the academic year, total graduate enrollment increased 1.4% at public institutions and 1.0% at private, not-for-profit institutions (Table C.14).

HIGHLIGHTS BY SELECTED DEGREE OBJECTIVES

- *Doctoral Degrees.* Applications to graduate school increased at the doctoral level (0.8%) between Fall 2018 and Fall 2019 (Table C.1). There was also an 8.2% increase in first-time doctoral enrollment between Fall 2018 and Fall 2019 (Table C.12). There was a 3.8% increase in the total number of doctoral degrees awarded between academic years 2017-18 and 2018-19 (Table C.30).
- *Master's Degrees.* Applications for admissions to master's/other decreased 1.2% over the past year (Table C.1). Similar to previous years, the large majority (82.4%) of all first-time graduate students in Fall 2019 continued to enroll in programs leading to a master's degree or a graduate certificate (Table B.6). However, the number of master's degree awarded by institutions participating in the survey remained flat (0.8%) between academic years 2017-18 and 2018-19 (Table C.29).
- *Graduate Certificates.* Over the past year, the number of graduate-level certificates awarded increased by 19.6% (Table C.25). The largest shares of certificates were awarded in the fields of education (30.0%), business (14.3%), and health sciences (13.9%) during 2018-19 (Table B.22).

HIGHLIGHTS BY SELECTED BROAD FIELDS OF STUDY

- *Arts and Humanities.* Graduate applications in arts and humanities decreased by 2.6% between Fall 2018 and Fall 2019 (Table C.2). The decrease of first-time enrollment in arts and humanities was driven by master's level enrollment (-2.9%), with a slight increase in doctoral level enrollment (1.2%) between Fall 2018 and Fall 2019 (Tables C.12 and C.13). The number of degrees conferred in the arts and humanities decreased 5% at the master's level and increased 2.8% at the doctoral level between Fall 2018 and Fall 2019 (Tables C.29 and C.30).
- *Engineering.* Graduate applications to master's programs in engineering declined by 3.5% between Fall 2018 and Fall 2019, while doctoral applications flattened (0.3%, Table C.3). The first-time enrollment of international students¹ in engineering increased by 3.3% over the past year (Table C.9).
- *Mathematics and Computer Sciences.* There was a robust increase in first-time enrollment in mathematics and computer sciences (5.7%) between Fall 2018 and Fall 2019, in line with the 4.9% annual average growth over the previous five-year period and 11.6% annual average growth over the past ten-year period (Table C.7). Mathematics and computer sciences had the largest increase in first-time enrollment for part-time students (12.4%), between Fall 2018 and Fall 2019 (Tables C.8). The broad field also reported increases in total enrollment among American Indian/Alaska Native (15.5%) and Native Hawaiian/Other Pacific Islander (23.0%) students over the past year, though each group had less than 100 students reported (Table C.20).

HIGHLIGHTS BY SELECTED STUDENT DEMOGRAPHICS

- *Underrepresented Minorities.* Among first-time U.S. citizens and permanent resident graduate students in Fall 2019, about 24.8% were underrepresented minorities, including American Indian/Alaska Native (0.5%), Black/African American (12.1%), Native Hawaiian/Other Pacific Islander (0.2%), and Latinx² (11.9%). Despite these healthy increases in terms of first-time enrollment, minority students remain substantially underrepresented as percentage shares of the graduate student population, particularly in STEM fields (Table B.11). For example, Black/African American students still only account for 6.1% of all incoming graduate students at Doctoral Universities with Very High Research Activities in Fall 2019, compared to 5.3% in Fall 2009 (Figure 9).
- *Gender.* In Fall 2019, more than half of first-time graduate students both at the master's degree and certificate level (60.1%) and at the doctoral level (54.7%) were women (Table B.7). However, men still constituted majorities of first-time graduate enrollment in business (52.9%), engineering (71.2%), mathematics and computer sciences (65.4%), and physical and earth sciences (58.5%, Table B.4). Women earned the majority of graduate certificates (62.2%), master's degrees (58.5%), and doctoral degrees (52.9%) awarded by U.S. institutions in 2018-19 (Tables B.23, B.24, and B.25).
- *International Students.* International student first-time graduate enrollment increased by 3.8% between Fall 2018 and Fall 2019, after declines in two consecutive years. The five-year average annual rate of change (0.3%), as well as the ten-year average annual rate of change (5.6%) remains positive (Table C.5). Shares of first-time international graduate students were higher at private, not-for-profit institutions (25.4%) than at public institutions (18.0%) in Fall 2019. At Doctoral Very High Research Institutions, almost three out of ten (29.0%) first-time graduate enrollees were international students (Table B.8).

1 The term Temporary Residents was used as one of the citizenship and racial/ethnicity categories in the survey instrument (Appendix F). The term International Student was used in the body of the report when referring to Temporary Residents population.

2 The term Hispanic/Latino was used as one of the citizenship and racial/ethnicity categories in the survey instrument (Appendix F). The term Latinx was used in the body of the report when referring to Hispanic/Latino population.

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Introduction

The CGS/GRE Survey of Graduate Enrollment and Degrees is jointly sponsored by the Council of Graduate Schools (CGS) and the Graduate Record Examinations (GRE) Program. Conducted annually since 1986, the survey is designed to provide information about applications for admission to graduate school, graduate student enrollment, and graduate degrees and certificates conferred. Graduate education is a vital part of U.S. higher education. By providing an annual examination of trends in graduate applications, enrollment, and degrees, by broad field of study, degree level, and demographics, this report is essential for understanding the graduate education enterprise.

The CGS/GRE Survey of Graduate Enrollment and Degrees is the only national survey that collects data on first-time and total graduate enrollment across all fields of master's and research doctorate programs in the United States. It is also the only source of data on first-time and total graduate enrollment by degree level (master's versus research doctorate) and the only national survey that collects data on applications to graduate school by broad field of study.

The 2019 CGS/GRE Survey of Graduate Enrollment and Degrees was launched in November 2019 and sent to the U.S.-based institutions that were members of the Council of Graduate Schools or one of the four regional graduate school associations—the Conference of Southern Graduate Schools (CSGS), the Midwestern Association of Graduate Schools (MAGS), the Northeastern Association of Graduate Schools (NAGS), and the Western Association of Graduate Schools (WAGS). This year's survey was sent to a total of 770 colleges and universities, and useable responses were received from institutions (N=561), for an overall response rate of 72.8%.

This report begins by highlighting the findings on the number of applications received from prospective graduate students for Fall 2019, first-time and total enrollment for Fall 2019, and the number of master's and doctoral degrees and other post-baccalaureate certificates conferred during the 2018-19 academic year. This report then details some of the one-year comparisons and five- and ten-year average annual changes. Full data tables appear at the end of the report in Appendix B (Data Tables for Graduate Applications; First-Time Enrollment, and Total Enrollment, Fall 2019; and Degrees Conferred, 2018-19) and Appendix C (Data Tables for Trends in Graduate Applications; First-Time Enrollment; Total Enrollment; and Degrees Conferred, 2009 to 2019). Other appendices include Appendix A (Definitions), Appendix D (Taxonomy of Fields of Study), Appendix E (List of Institutions Participating in the Fall 2019 Survey), and Appendix F (Survey Instrument).

Acknowledgments

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We thank CGS President Suzanne Ortega for her insights and guidance for the project. Also, many thanks to Julia Kent and the CGS Communications Team, especially Katherine Hazelrigg for assistance in preparation for the final report, its release, and media relations and to Matthew Linton for preparing its digital publication. Last, and most importantly, special thanks to the graduate deans, institutional researchers, and other staff at the colleges and universities who completed the CGS/GRE Survey of Graduate Enrollment and Degrees this and every year. We are incredibly grateful for the time and effort they, and others, gave to the survey project and report.

Graduate Applications, Enrollment, and Degrees: Fall 2019

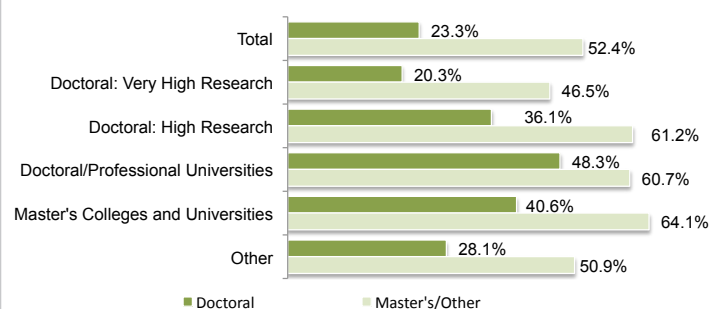
More than 1.8 million graduate students were enrolled in graduate certificate, master's, or doctoral programs in Fall 2019 at the 561 U.S. graduate schools participating in the 2019 CGS/GRE Survey of Graduate Enrollment and Degrees. This section will highlight the state of graduate applications for admission for Fall 2019, first-time and total enrollment in Fall 2019, and graduate degrees and certificates conferred in the 2018-19 academic year.

GRADUATE APPLICATIONS

Institutions responding to the 2019 CGS/GRE Survey of Graduate Enrollment and Degrees received approximately 2.1 million applications for admission to graduate programs for study beginning in Fall 2019. The figure includes more than 1.2 million applications for Fall 2019 received by public institutions and 852,511 graduate applications for admission to private, not-for-profit institutions. About 68% or 1,456,225 of the applications received by institutions responding to the survey were for master's/other programs. Even among Doctoral Universities with Very High Research Activities, 62% of applications received were for master's/other programs.

Acceptance rates for doctoral programs have traditionally been lower than acceptance rates for master's/other programs, and results from the 2019 survey were consistent with this pattern. Overall, 23.3% of doctoral applicants and 52.4% of master's/other applicants were accepted for admission. Private, not-for-profit institutions generally have lower acceptance rates than public institutions. Doctoral programs at private, not-for-profit research universities with Very High Research activity were most selective, accepting 12.8% of applications received. Master's/other programs at these universities were also more selective with the overall acceptance rate of 40.5% (Table B.1 and Figure 1).

Figure 1. Graduate Application Acceptance Rates by Carnegie Classification and Degree Level, Fall 2019



Source: 2019 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.1

By broad field of study, the largest number of total doctoral applications for Fall 2019 were in the social and behavioral sciences (114,111), engineering (94,668), and biological and agricultural sciences (82,108). These three broad fields alone accounted for 46.5% of all doctoral applications for which the intended field of study was known in Fall 2019. The broad field of social and behavioral sciences also had the lowest aggregated application acceptance rate (16.0%) of all broad fields. For the master's/other applications, the broad field of business received the largest number of applications (242,525), followed by mathematics and computer sciences (193,804). In terms of master's acceptance rates, mathematics and computer sciences (38.7%) reported the lowest aggregated application acceptance rate, followed by arts and humanities (40%), health sciences (43.6%), physical and earth sciences (47.5%), engineering (49.2%), biological and agricultural sciences (50.8%), and business (54.5%) (Table B.2).

FIRST-TIME GRADUATE ENROLLMENT

A total of 518,721 graduate students enrolled for the first time in graduate certificate, education specialist, master's, or research doctoral programs in Fall 2019 at the institutions responding to the CGS/GRE Survey of Graduate Enrollment and

Degrees. Tables B.3 to B.11 provide additional details regarding first-time graduate enrollment for Fall 2019.

At those institutions, 59.3% of first-time graduate students were women, though the shares of women vary by institution type (Table B.3). Consistent with previous survey cycles, business (85,220), education (77,292), and health sciences (67,352) were the three largest broad fields for first-time graduate enrollment in Fall 2019. These three broad fields collectively represented 44.3% of first-time graduate enrollments. Institutions responding to the survey also reported that while women constitute more than three quarters of first-time graduate enrollment in fields of public administration and services (79.1%), health sciences (78.8%), and education (76.1%) in Fall 2019, they comprised much smaller portions of first-time enrollment in the fields of engineering (28.8%), mathematics and computer sciences (34.6%), and physical and earth sciences (41.5%) (Table B.4 and Figure 2).

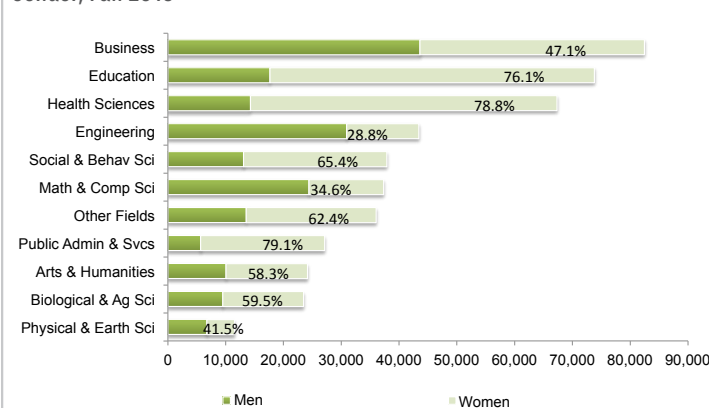
other enrollees were particularly high. By contrast, the majority (60.2%) of first-time graduate enrollment in physical and earth science was in doctoral programs (Table B.6).

Over one third (34.4%) of all first-time master's/other students were enrolled in business (81,011) and education (66,784). At the doctoral level, the broad fields of health sciences (13,896), social and behavioral sciences (11,370), education (10,795), and engineering (10,200) were the largest, accounting for about one-half (50.4%) of all first-time doctoral students (Table B.6).

In Fall 2019, women comprised a larger share of first-time enrollees at the master's and graduate certificate level (60.1%) than at the doctoral level (54.7%). Although women comprised the majority of first-time graduate students overall, in engineering (28.4% and 30.0%), mathematics and computer sciences (35.6% and 28.6%), business (47.1% and 47.7%), and physical and earth sciences (47.6% and 37.5%), men comprised a majority of first-time enrollees both at the master's and doctoral level, respectively (Table B.7).

Consistent with past surveys, U.S. citizens and permanent residents constituted the majority of first-time graduate enrollees. Specifically, among first-time graduate enrollees in Fall 2019 for whom citizenship was known, 80.0% were U.S. citizens and permanent residents and 20.0% were international students (Table B. 8). The share of first-time international enrollment edged higher for the first time in six years: Fall 2018 (19.8%), Fall 2017 (20.3%), Fall 2016 (21.1%) and Fall 2015 (22.0%).⁴ The share of international students among first-time graduate students was higher at private, not-for-profit universities (25.4%) than at public universities (18.0%). The share of international students among first-time graduate students was the largest at doctoral universities with Very High Research activity (29.0%) (Table B.8). International students comprised the largest share of first-time graduate students in mathematics and computer sciences (54.4%), followed closely by engineering (50.1%). The share of international students was

Figure 2. First-time Graduate Enrollment by Broad Field of Study and Gender, Fall 2019



Source: 2019 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.4

The large majority (82.4%) of first-time graduate students in Fall 2019 were enrolled in programs leading to a master's degree or a graduate certificate. In the broad fields of public administration and services (96.6%), business (95.0%), "other fields" (92.0%),³ education (86.1%), and mathematics and computer sciences (85.5%), the shares of master's/

3 The "other fields" category included the fields of Architecture and Environmental Design, Communications and Journalism, Family and Consumer Sciences, Library and Archival Sciences, and Religion and Theology (For more details, see Appendix D).

4 Data for the share of first-time international enrollment in Fall 2015, Fall 2016, Fall 2017 and Fall 2018 can be found in previous editions of the *Graduate Enrollment and Degrees* reports, which are available on the Council of Graduate Schools' website.

smallest in public administration and services (4.17%), education (4.2%), and health sciences (5.0%) (Table B.9 and Figure 3). While 59.3% of first-time graduate enrollees who were U.S. citizens and permanent residents were women, 45.3% of first-time graduate enrollees who were international students were women (Table B.10).

The share of underrepresented minorities (URM) among U.S. citizens and permanent residents slightly increased from previous years (24.1%).⁵ In Fall 2019, approximately 24.8% of all first-time U.S. citizens and permanent resident enrollees were URM students, including American Indian/Alaska Native (0.5%), Black/African American (12.1%), Native Hawaiian/Other Pacific Islander (0.2%), and Latinx (11.9%) (Table B.11 and Figure 4).

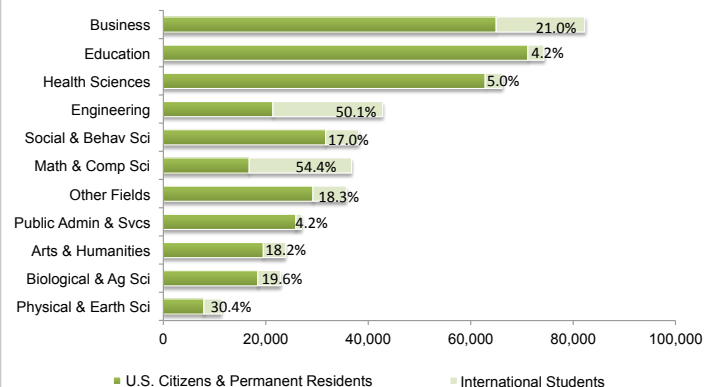
American Indian/Alaska Native, Black/African American, Latinx and Native Hawaiian/Other Pacific Islander first-time graduate students remain particularly underrepresented in science, engineering, technology, and mathematics (STEM) fields. For example, only 4.5% of U.S. citizen and permanent resident students enrolled for the first time in physical and earth sciences and 5.8% in engineering were Black/African American students. While only 3.5% of first-time students in education were Asian, they constituted a relatively large share of U.S. citizens and permanent residents enrolled for the first time in mathematics and computer sciences (19.2%) and engineering (14.9%) fields (Table B.11).

TOTAL GRADUATE ENROLLMENT

Institutions responding to the CGS/GRE survey (N=561) enrolled more than 1.8 million graduate students in Fall 2019. Complete details of total enrollment findings by institution type, gender, attendance status, broad field, degree level, citizenship, and race/ethnicity appear in Tables B.12 to B.20.

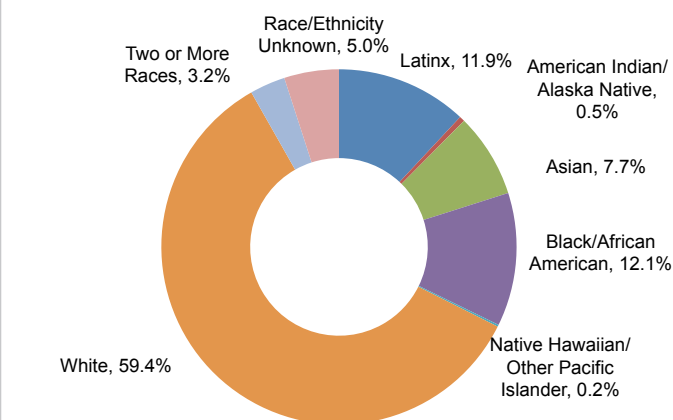
Over one million of those graduate students, or 58.5%, were women. Interestingly, at Very High Research Doctoral Universities, men and women were almost equally represented with 48.2% men

Figure 3. First-time Graduate Enrollment by Broad Field of Study and Citizenship, Fall 2019



Source: 2019 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.9

Figure 4. U.S. Citizen and Permanent Resident First-time Graduate Enrollment by Race/Ethnicity, Fall 2019



Source: 2019 CGS/GRE Survey of Graduate Enrollment & Degrees, Table B.11

and 51.8% women. Across all institutions that participated in this survey, 56.6% of graduate students were enrolled full time. The share of full-time students among all graduate students was the greatest at private, not-for-profit, very-high-level research doctoral institutions with 75.9% of graduate students enrolled full time. By contrast, 60.8% of graduate students at public master's colleges and universities were enrolled part-time in Fall 2019. (Table B.12).

The three largest broad fields of study, education, business, and health sciences, were also the fields with the largest proportions of part-time graduate students. More than six out of ten (63.7%) master's

⁵ Data for the share of first-time underrepresented minorities (URM) among U.S. citizens and permanent residents can be found in the previous year's *Graduate Enrollment and Degrees* report, Fall 2018, which is available on the Council of Graduate Schools' website.

and doctoral students in education, about one-half in business (51.7%) and “other fields” (50.3%), and 41.2% in health sciences were enrolled part-time. By contrast, physical and earth sciences (15.7%), biological and agricultural sciences (24.0%), and engineering (28.9%) had smaller proportions of graduate students enrolled part-time in their

administration and services (92.5%) was heavily concentrated in master’s/other programs. Across STEM fields, too, graduate enrollment was predominantly at the master’s level. However, the majority of graduate enrollment in physical and earth sciences (74.5%) and biological and agricultural sciences (54.3%) was at the doctoral level (Table B.15 and Figure 6).

International graduate students constituted 17.8% of total enrollment in Fall 2019, compared with U.S. citizens and permanent residents, who constituted 82.2%. At the Very High Research Doctoral Institutions, the share of international students was 27.4% (Table B.17). The presence of international students was particularly high in engineering (49.8%), mathematics and computer sciences (49.0%), and physical and earth sciences (33.9%, Table B.18).

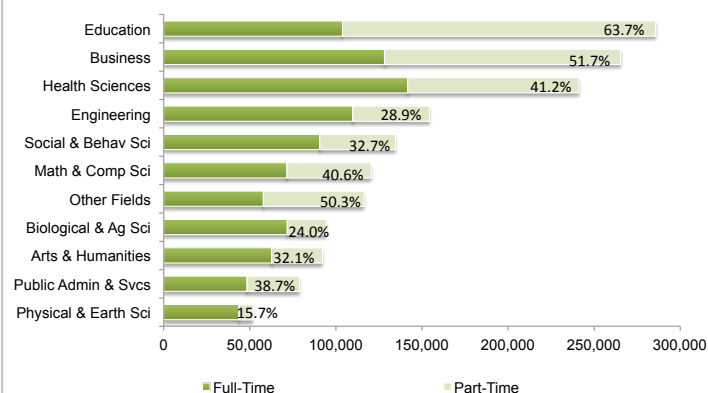
Among U.S. citizens and permanent residents, Blacks/African Americans were particularly underrepresented in several fields. While they constitute 12.8% of U.S. citizens and permanent resident graduate students, overall, they accounted for only 3.7% of physical and earth sciences enrollees. Similarly, they were grossly underrepresented in engineering (5.7%), biological and agricultural sciences (6.1%), and arts and humanities (6.2%, Table B.20).

GRADUATE CERTIFICATES AND DEGREES CONFERRED

Institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees (N=561) awarded a total of 696,811 graduate certificates and degrees in the academic year 2018-19 (July 1, 2018 through June 30, 2019). Tables B.21 and B.25 provide the details.

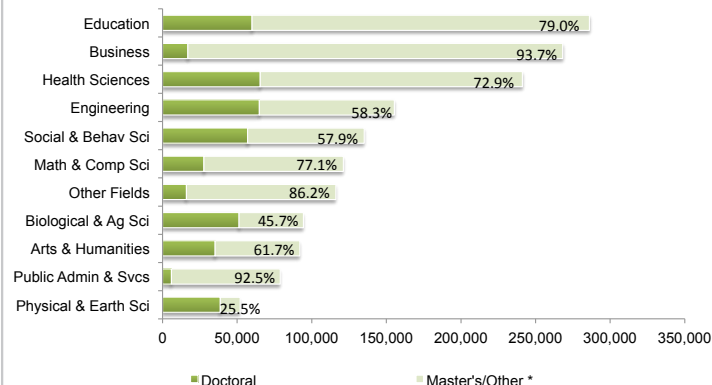
The large majority (571,177 or 82.0%) of degrees awarded in 2018-19 were master’s degrees, followed by doctoral degrees (79,548 or 11.4%), and graduate certificates (46,086 or 6.6%) (Table B.21). By field of study, health sciences accounted for the largest number of doctoral degrees awarded in 2018-19, with 21.0% of the total, followed by engineering (13.8%), social and behavioral sciences (12.2%), education (12.2%), and biological and agricultural sciences (11.5%). At the master’s degree

Figure 5. Total Graduate Enrollment by Broad Field of Study and Attendance Status, Fall 2019



Source: 2019 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.13

Figure 6. Total Graduate Enrollment by Broad Field of Study and Degree Level, Fall 2019



Source: 2019 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.15

programs (Table B.13 and Figure 5). Among graduate students in Fall 2019, men were more likely to be enrolled full time than women (59.3% and 54.8% respectively) (Table B.14).

Nearly three quarters (73.5%) of total graduate enrollment at institutions participating in this year’s survey was in master’s programs, while 26.5% was in doctoral programs. In particular, graduate enrollment in business (93.7%) and public

level, business and education had the largest number of degrees awarded, accounting for 21.9% and 18.6%, respectively. While over one-third of degrees and certificates conferred in physical and earth sciences (42.6%) were doctorates, more than nine out of ten degree recipients in business (93.0%) and public administration and services (92.4%) were awarded master's degrees. Of the broad fields in this report, education (30.0%), business (14.3%), and health sciences (13.9%) had large shares of certificates awarded by institutions participating in this survey during 2018-19 (Table B.22).

Consistent with the recent trends, women earned the majority of graduate degrees and certificates awarded by participating institutions of the GED survey in 2018-19. Women earned 62.2% of graduate certificates awarded in 2018-19, 58.5% of master's degrees, and 52.9% of doctorates. However, in many STEM fields, men still earned the majority of graduate degrees and certificates. Men earned about three-fourths of master's degrees (72.7%) and doctoral degrees (74.9%) in engineering. Similarly, men earned 65.2% of master's degrees and 73.2% of doctoral degrees in mathematics and computer sciences (Tables B.23, B.24, and B.25).

Trends in Graduate Applications, Enrollment, and Degrees: 2009 to 2019

Institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees reported a decrease in applications for admission and an increase in first-time graduate enrollment (-0.6% and 2.5%, respectively) between Fall 2018 and Fall 2019. This section presents one-year comparisons; five- and ten-year average annual changes; and selected trends in graduate applications, first-time and total enrollment, and degrees conferred from universities that reported at all periods. The findings are presented by broad field, degree level, institution type, 2018 Carnegie Classification, attendance status, gender, race/ethnicity, and citizenship status.

TRENDS IN GRADUATE APPLICATIONS

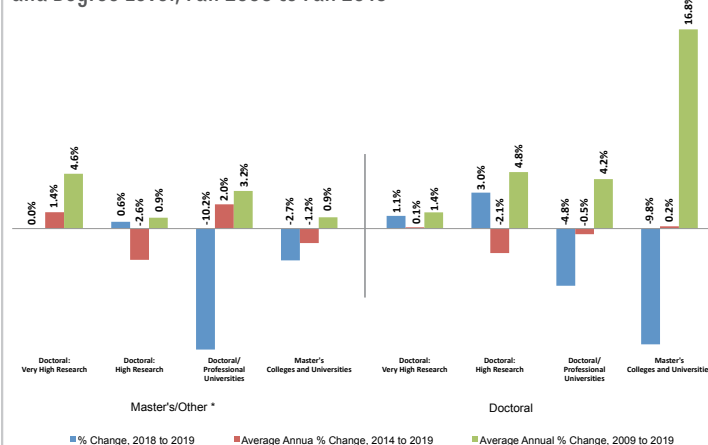
Between Fall 2018 and Fall 2019, applications for admission to U.S. graduate schools decreased by 0.6% at the institutions that responded to the CGS/GRE Survey of Graduate Enrollment and Degrees in both 2018 and 2019. Tables C.1 to C.3 offer detailed information about trends in graduate

applications. Public institution application counts decreased 0.7%, while private, not-for-profit applications decreased by 0.4%. However, in the decade between Fall 2009 and Fall 2019, graduate applications grew at an average annual rate of 2.7%. Although there was a one-year slight decrease in graduate applications for Fall 2019 (-0.6%), the number of applications for admission to graduate school increased slightly at Very High Research Doctoral Universities (0.4%), and High Research Doctoral universities (1.1%) between Fall 2018 and Fall 2019. At the same time, Master's Colleges and Universities reported a small decrease (-2.8%) and Doctoral/Professional Universities reported a more significant decrease (-9.9%) in applications between Fall 2018 and Fall 2019 (Tables B.1, C.1 and Figure 7).

By broad field of study, three fields saw one-year increases in graduate applications between Fall 2018 and Fall 2019: biological and agricultural sciences (6.1%), mathematics and computer sciences (5.2%), and business (1.4%). Other fields, including public administration and services (-7.9%) and social and behavioral sciences (-4.6%), saw one-year decreases, however. Nevertheless, despite the decline, institutions received more graduate applications in Fall 2019 than a decade ago in all fields, except for arts and humanities (-1.4% annually) and education (-1.0% annually). The broad field of engineering saw a decline by 3.3% annually over the last five years, though the Fall 2019 application counts were still much greater than a decade ago (Table C.2).

Applications for admission increased slightly for doctoral programs (0.8%), but decreased for master's/other programs (-1.2%) between Fall 2018 and Fall 2019. The five-year average annual rate of change was less than 0.1% at the doctoral level and 0.5% at the master's level between Fall 2014 and Fall 2019. At the doctoral level, biological and agricultural sciences (10.4%) had the largest one-

Figure 7. Changes in Graduate Applications by Carnegie Classification and Degree Level, Fall 2009 to Fall 2019



Note: Master's/Other includes applications to graduate-level certificate and education specialist programs. Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: 2019 CGS/GRE Survey of Graduate Enrollment and Degrees

year increase of all broad fields of study. This was a higher rate of increase when compared to the five-year average annual rate of change (3.0%). Similar to previous years, health sciences had the largest one-year decrease at the doctoral level (-6.8%). At the master's/other level, mathematics and computer sciences (5.6%) reported the highest one-year increase (Table C.3).

TRENDS IN FIRST-TIME GRADUATE ENROLLMENT

First-time graduate enrollment increased 2.5% between Fall 2018 and Fall 2019 at the institutions that responded to both the 2018 and 2019 CGS/GRE Surveys of Graduate Enrollment and Degrees. The increase in first-time enrollment between Fall 2018 and Fall 2019 was greater at private, not-for-profit institutions (4.0%) than it was at public institutions (1.8%). By Basic Carnegie Classification, first-time graduate enrollment rose by 3.2% at Doctoral Universities with Very High Research Activity, 3.0% at Doctoral Universities with High Research Activity, and 0.7% at master's colleges and universities over the one year. Doctoral/Professional Universities saw their first-time graduate enrollment decrease slightly by 0.1% (Table C.4).

The first-time graduate enrollment of international students increased for the first time in four years (3.8%) between Fall 2018 and Fall 2019. Overall, the ten-year average annual increase (5.6%) rates remain high. Similarly, first-time graduate enrollment also reported an increase (2.2%) among U.S. citizens and permanent residents between Fall 2018 and Fall 2019, though it was slightly lower than the prior-year's increase (2.8%). Over the past five years, the first-time enrollment of U.S. citizens and permanent resident graduate students rose on average by 3.1% annually (Table C.5).

Between Fall 2018 and Fall 2019, first-time enrollment increased 5.7% among Latinx students, 5.5% among Black/African American students, and 5.3% among Asian students. Notably, the annual growth rates of first-time enrollment between Fall 2018 and Fall 2019 also increased for American Indian/Alaska Native students (3.5%), though at a slower rate of growth than the prior cycle (8.3%). Although the baseline enrollment number is small, the increased first-time enrollment of American Indian/Alaska Native students is encouraging.

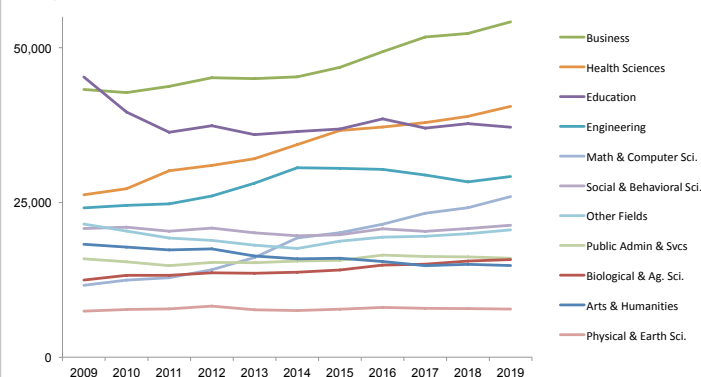
Native Hawaiians/Other Pacific Islanders, however, saw a decline of 3.0%. For year-over-year changes between Fall 2009 and Fall 2019, first-time graduate enrollment increased 6.6% among Latinx, 2.1% among Black/African Americans, and 4.0% among Asians/Pacific Islanders, while it declined 2.0% among American Indian/Alaska Natives (Table C.5).

Both men and women saw an increase in first-time graduate enrollment between Fall 2018 and Fall 2019 (1.4% and 3.2% respectively). Among international students, first-time graduate enrollment increased by 2.1% for men and 5.9% for women between Fall 2018 and Fall 2019. By comparison, among U.S. citizens and permanent residents, there was a 1.1% increase in first-time enrollment among men between Fall 2018 and Fall 2019, compared with a 2.8% increase among women (Table C.6).

Of the broad fields of study, mathematics and computer sciences (5.7%) reported the largest one-year gain in first-time graduate enrollment between Fall 2018 and Fall 2019, followed by engineering (5.0%). However, physical and earth sciences fields reported a decrease in first-time graduate enrollment. The one-year change in first-time graduate enrollment in physical and earth sciences was -2.5%, compared to -4.6% between Fall 2017 and Fall 2018. Similarly, the first-time graduate enrollment in public administration and services decreased by 0.4% between Fall 2018 and Fall 2019 (Table C.7). In the decade spanning 2009 to 2019, increases in first-time enrollments have been particularly strong in the fields of mathematics and computer sciences, health sciences, and biological and agricultural sciences, and engineering (Figure 8).

Among U.S. citizens and permanent residents, increases in first-time graduate enrollment were greater for Latinxs (5.7%) than all other groups, including Blacks/African Americans (5.5%), Asian (5.3%), American Indian/Alaska Native (3.5%), and Whites (0.5%) between Fall 2018 and Fall 2019 (Table C.10). Despite one-year gains among all other race/ethnicities, Native Hawaiians/Other Pacific Islanders experienced decreases in first-time enrollment (-3.0%) between Fall 2018 and Fall 2019. It's important to note that the base rates of Native Hawaiians/Other Pacific Islanders is small. For

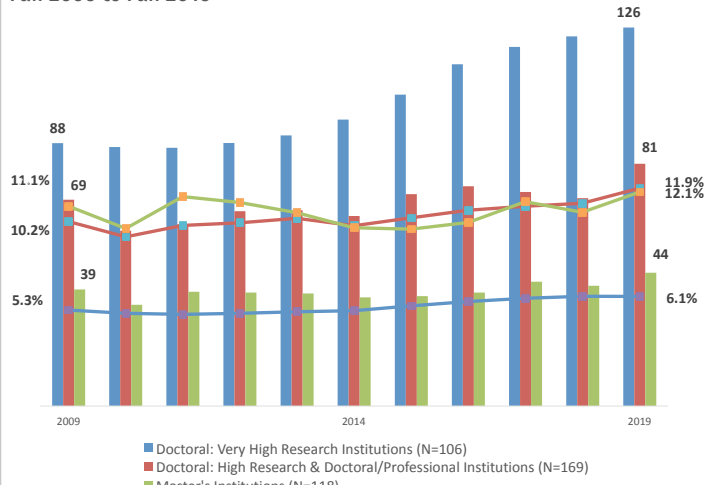
Figure 8. Trends in First-time Graduate Enrollment by Broad Field of Study, Fall 2009 to Fall 2019



Note: Trends were developed based upon institutions that provided data for all years 2009 to 2019; therefore, the numbers of first-time enrollments do not match data in the tables.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Figure 9. Average Number of Black First-time Graduate Students and Their % Shares among the Incoming Cohorts by Institution Types, Fall 2009 to Fall 2019



Note: Trends were developed based upon institutions that provided data for all years 2009 to 2019. The numbers of first-time enrollments do not match data in the tables.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

more detailed information about changes and trends in first-time graduate enrollment, see Tables C.4 through C.13.

It should be noted that despite the robust increases over the years, shares of underserved students of color in incoming graduate cohorts, and thus in the total graduate enrollment, remain stagnant. For example, the number of Black incoming graduate students increased over the last decade, particularly at Doctoral Universities with Very High Research Activities. The growth at these institutions were

notable over the last five years. However, Black students still account for 6.1% of all incoming graduate students at these institutions in Fall 2019, compared to 5.3% in Fall 2009 (Figure 9). In STEM fields, underrepresentation of Black students, particularly at Doctoral Universities with Very High Research Activities, is even more pronounced and persistent. For example, in engineering, mathematics and computer sciences, and physical and earth sciences shares of Black students in incoming master's and doctoral cohorts remain very low, accounting for less than 3%. Although, their representation has increased in some fields, such as biological and agricultural sciences and arts and humanities, Black students still represent less than 6% of incoming master's and doctoral students at Doctoral Universities with Very High Research Activities (Figure 10).

TRENDS IN TOTAL GRADUATE ENROLLMENT

Total graduate enrollment increased 1.3% between Fall 2018 and Fall 2019 at the institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees for both 2018 and 2019. Tables C.14 through C.23 provide detailed information about changes and trends in total graduate enrollment. Over the one-year period, total graduate enrollment increased 1.4% at public institutions and 1.0% at private, not-for-profit institutions. Total graduate enrollment increased 0.9% over the last five years between Fall 2014 and Fall 2019, and 0.3% increase during the ten-year period between Fall 2009 and Fall 2019 (Table C.14).

Between Fall 2018 and Fall 2019, the total graduate enrollment of U.S. citizens and permanent residents increased by 1.4% and 1.0% for international students. Total enrollment reflects trends of multiple preceding years (Table C.15). Total enrollment increased by 0.3% among men, while increasing 2.0% among women between Fall 2018 and Fall 2019 (Table C.16).

The largest one-year change in total graduate enrollment by broad field of study between Fall 2018 and Fall 2019 was in mathematics and computer sciences (6.2%). There was also growth in the broad fields of business (2.6%), health sciences (2.4%), engineering (2.2%) and biological and agricultural sciences (2.1%). While these five fields

reported the largest one-year increases, the broad fields of public administration and services, physical and earth sciences, arts and humanities, and education saw decreases in total enrollment between 2018 and 2019 (-2.7%, -1.9%, -1.5% and -0.7%, respectively). The fields of education (-2.0%) and arts and humanities (-2.0%) reported the largest declines in total enrollment over the ten-year period between 2009 and 2019 (Table C.17).

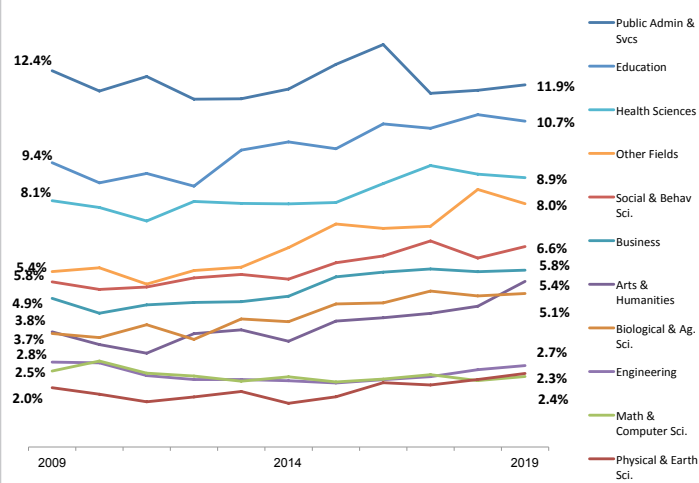
Between Fall 2018 and Fall 2019, total enrollment increased by 5.3% among Latinxs, 4.9% among Asian/Pacific Islanders, 4.0% among Black/African Americans, 1.9% among American Indian/Alaskan Natives, and 5.4 % among Native Hawaiians/Other Pacific Islanders, but decreased by 0.2% among Whites. While the Latinx total graduate enrollment grew on average by 5.8% annually over the last ten years, the total enrollment of Black/African American students grew only by 0.3% each year on average. Furthermore, the total graduate enrollment of American Indian/Alaska Native students declined on average by 3.1% annually between Fall 2009 and Fall 2019 (Table C.20).

TRENDS IN GRADUATE DEGREES

The number of doctoral degrees and master's degrees awarded increased by 3.8% and 0.8%, respectively between 2017-18 and 2018-19 at institutions responding to the 2019 CGS/GRE Survey of Graduate Enrollment and Degrees. Further details on changes and trends in graduate certificates and degrees awarded can be found in Tables C.24 through C.30. Notably, there was a large increase in the number of graduate certificates awarded (19.6%) between 2017-18 and 2018-19. In the five-years spanning 2014 to 2019, the average annual change in the number of graduate certificates awarded was 4.8%. Over the same period, increases in doctoral degree production (2.6%) were higher than for master's degree production (1.5%, Table C.24). Since more master's degrees are awarded than doctoral degrees, the total number of master's degrees earned continues to far exceed the number of doctoral degrees conferred.

Doctoral degree production grew on average 2.6% annually between Fall 2013 and Fall 2018 and on average by 3.8% annually over the ten-year period

Figure 10. Percentage Shares of Black Students in First-time Graduate Enrollment by Broad Field of Study, Doctoral Research Universities: Very High Research Activity, Fall 2009 to Fall 2019



Note: Trends were developed based upon institutions that provided data for all years 2009 to 2019. The numbers of first-time enrollments do not match data in the tables.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

between Fall 2008 and Fall 2018. The larger five- and ten-year annual percentage changes of doctoral degree production was partly because the base rates of doctoral degrees awarded were lower. Over the one-year period between 2017-18 and 2018-19, doctoral degree production at both private, not-for-profit institutions and public institutions increased (3.8% and 3.7%, respectively). In the decade spanning 2008-09 to 2018-19, doctoral degree production increased at similar rates as the one-year interval, 3.9% at public institutions and 3.8% at private, not-for-profit institutions (Table C.24).

There was also a 0.8% increase in master's degree production between 2017-18 and 2018-19 both at the rate of 1.5%, which is lower than the average 5-year and 10-year annual average increase. The average annual percentage change for master's degree production at public institutions increased between the five- and ten-year intervals (Table C.24). Some types of institutions also saw more robust growth of the graduate certificates awarded over the past year than others. For example, the number of graduate certificates awarded rose by 39.1% at Doctoral Universities with Very High Research Activity between 2017-18 and 2018-19. The average annual rates of increase for graduate certificates awarded were 15.8% for Doctoral/Professional Universities and 8.9% for Master's

Colleges and Universities (Table C.25). However, it should be noted that there are far fewer graduate certificates conferred than master's or doctoral degrees.

The 0.8% increase in degrees awarded at the master's level between 2017-18 and 2018-19 included increases in six broad fields of study and decreases in five others. The largest one-year increases in master's degree production were in health sciences (3.9%), and public administration and services (3.8%), while physical and earth sciences reported the largest declines in master's degree production (-6.9%) (Table C.29).

At the doctoral level, the number of degrees awarded increased in six broad fields, including: engineering (4.8%), mathematics and computer sciences (3.1%), and arts and humanities (2.8%). The number of doctorates earned by women in mathematics and computer sciences (9.6%) and engineering (6.2%) also saw sizeable increases (Table C.30).

APPENDIX A

Definitions

The CGS/GRE Survey of Graduate Enrollment and Degrees collects data on four aspects of graduate education:

Applications—Includes the number of completed applications for admission to U.S. graduate schools for the Fall term, the number of those applications accepted for admission, and the number of applications not accepted. Data are collected by fine field and degree level (master's and 'other' vs. doctoral). The application data excludes individuals who applied as transfers or for readmission at the same institution.

First-Time Enrollment—Includes the number of students enrolled for the first time in graduate certificate, education specialist, master's, or doctoral programs for the Fall term. Data are collected by fine field, degree level (master's and 'other' vs. doctoral), gender, race/ethnicity, citizenship, and enrollment status (full-time/part-time).

Total Enrollment—Includes the total number of students enrolled (first-time and continuing students) in graduate certificate, education specialist, master's, or doctoral programs for the Fall term. Data are collected by fine field, degree level (master's and 'other' vs. doctoral), gender, race/ethnicity, citizenship, and enrollment status (full-time/part-time).

Degrees—Includes the number of master's and doctoral degrees and post-baccalaureate and post-master's certificates awarded in the U.S. in a given academic year (July 1 through June 30). Degree data are collected by fine field, degree level (graduate certificate, master's, and doctoral), and gender. The survey does not collect degree data by race/ethnicity or citizenship.

For both first-time and total enrollment, master's and 'other' enrollment is defined as the number of students enrolled in programs specifically leading to the master's degree and other non-doctoral programs, such as graduate certificate programs and education specialist programs. Graduate certificates are awards that require the completion of an organized program of study generally equivalent to 15-18 credit hours beyond the bachelor's degree. Education specialist programs are generally equivalent to 30-45 credit hours beyond the master's degree. Doctoral enrollment is defined as the number of students enrolled in programs leading directly to the doctoral degree as well as the total number of students enrolled in doctoral programs where a master's degree is earned en route to the doctoral degree.

Full-time enrollment includes students enrolled for credit in graduate degree programs who are engaged full time in training activities in their field; these activities may include any appropriate combination of study, teaching, and research, depending on the responding institution's own policy. Part-time enrollment includes students enrolled in graduate degree programs who are not pursuing graduate work full-time as defined above.

The survey collects the total data for each institution for the categories and variables listed above, as well as data for up to 51 individual fields of study. This report groups the data from the 51 fine fields of study into 11 broad fields. A special online report, Graduate Enrollment and Degrees by Fine Field, presents the fine field data for first-time enrollment, total enrollment, and degrees awarded and is available exclusively to CGS member institutions at www.cgsnet.org.

The survey excludes students applying to, enrolled in, or graduating from the following comprehensive list of first-professional programs: Chiropractic (D.C. or D.C.M.), Dentistry (D.D.S. or D.M.D.), Law (LL.B., J.D.), Medicine (M.D.), Optometry (O.D.), Osteopathic Medicine (D.O.), Pharmacy (Pharm.D.), Podiatry (D.P.M., D.P., or Pod.D.), Theology (M.Div., M.H.L., B.D., or Ordination), and Veterinary Medicine (D.V.M.). Data for all other graduate-level programs are collected, including programs in other professional fields such as health sciences and business.

The racial/ethnic data included in this report are collected from institutional records based on graduate students' self-reports. Accordingly, the number of students in any given racial/ethnic category is subject to individual interpretation on the part of students as they complete registration forms. The citizenship and race/ethnicity categories are defined as follows:

Temporary Resident/Non-Resident Alien (International Student)—A person who is not a citizen, national, or permanent resident of the U.S., and who is in the country on a visa or temporary basis and does not have the right to remain indefinitely.

Hispanic/Latino (Latinx)—A U.S. citizen or permanent resident of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.

American Indian/Alaska Native—A U.S. citizen or permanent resident having origins in any of the original peoples of North and South America (including Central America) who maintains cultural identification through tribal affiliation or community recognition.

Asian—A U.S. citizen or permanent resident having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent, including, for example, Cambodia, China, India, Japan, Malaysia, Pakistan, the Philippines, South Korea, Thailand, and Vietnam.

Black/African American—A U.S. citizen or permanent resident having origins in any of the black racial groups of Africa (except those of Hispanic origin).

Native Hawaiian/Other Pacific Islander—A U.S. citizen, permanent resident, or national having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific islands.

White—A U.S. citizen or permanent resident having origins in any of the original peoples of Europe, North Africa, or the Middle East (except those of Hispanic origin).

Two or More Races—A U.S. citizen or permanent resident having origins in any two or more of the following race categories: American Indian/Alaska Native, Asian, Black/African American, Native Hawaiian/Other Pacific Islander, or White.

Race/Ethnicity Unknown—Includes U.S. citizens and permanent residents whose race/ethnicity is not known.

Citizenship Unknown—Includes individuals whose citizenship is not known.

Two significant changes to the race/ethnicity categories occurred starting with the 2010 data collection cycle. The first change divided the previous Asian/Pacific Islander category into two separate categories: Asian and Native Hawaiian/Other Pacific Islander. The second change split the previous Other/Unknown category into three separate categories: Two or More Races, Race/Ethnicity Unknown, and Citizenship Unknown. The findings regarding the current academic year are based on the new race/ethnicity categories. Readers of this report should not directly compare the figures in this report to those that appeared in editions of this report issued prior to 2010. Findings regarding changes and trends are aggregated to correspond with the earlier definitions of Asian/Pacific Islander and Other/Unknown, to permit a comparable examination.

In some sections of this report, data are presented by Carnegie Classification based on the 2018 Carnegie Classification of Institutions of Higher Education, using the “basic” classification. The 33 “basic” classification categories are aggregated to five categories in this report as follows:

R1: Doctoral Universities – Very High Research Activity—Universities with very high research activity that award at least 20 doctorates per year.

R2: Doctoral Universities – High Research Activity—Universities with High Research activity that award at least 20 doctorates per year.

D/PU: Doctoral/Professional Universities—Universities with below 20 research/scholarship doctoral degrees that awarded at least 30 professional practice doctoral degrees in at least 2 programs.

Master’s Colleges and Universities—Institutions that award at least 50 master’s degrees and fewer than 20 doctorates per year.

Other—Includes baccalaureate institutions awarding fewer than 50 master’s degrees or 20 doctorates per year, as well as institutions awarding graduate degrees where a high concentration of degrees is in a single field or set of related fields (e.g., theological seminaries, medical schools, health profession schools, schools of engineering, etc.).

Since the institutions responding to the survey differ slightly from year-to-year, the trend data are limited to only those institutions that responded to the CGS/GRE Survey of Graduate Enrollment and Degrees in those years being compared.

One-year Comparisons—One-year comparisons, which are reported as percentages, are based on data collected from only those institutions that responded to both the 2018 and 2019 surveys.

Five-year Average Annual Changes—Five-year average annual changes, which are reported as percentages, are based on data collected from only those institutions that responded to both the 2014 and 2019 surveys.

Ten-year Average Annual Changes—Ten-year average annual changes, which are reported as percentages, are based on data collected from only those institutions that responded to both the 2009 and 2019 surveys.

Trend Lines—Trend lines were constructed using data collected from only those institutions that responded to all surveys from 2009 through 2019.

OTHER NOTES

In some cases, survey respondents were unable to provide data for one or more categories or variables. Thus, not all tables and figures in this report include data from all 561 institutions that responded to the 2019 CGS/GRE Survey of Graduate Enrollment and Degrees. Data were not imputed for missing fields or for non-responding institutions. Also, while the reporting guidelines and definitions of degree programs have not changed between 2009 and 2019, the interpretation of these guidelines and definitions by individual institutions may have changed due to various reasons. Some of the extreme outliers were reviewed and verified; however, data submitted by institutions were used for analysis without imputation.

Due to the small numbers of for-profit institutions providing data on graduate applications and first-time graduate enrollment, their data are suppressed from this report. The total graduate enrollment and graduate certificates and degrees awarded for for-profit institutions are reported in this report; however, given the small number of institutions participating in this survey, the data may not be representative of all for-profit institutions in the U.S.

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APPENDIX B

Data Tables for Graduate Applications, First-Time Enrollment, Total Enrollment, Fall 2019, and Degrees Conferred, 2018-19

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Table B.1: Applications for Admission to Graduate School by Institution Type, Carnegie Classification, and Degree Level, Fall 2019

Carnegie Classification and Institution Type **	Doctoral			Master's/Other *			Total		
	Total	Accepted Applications		Total	Accepted Applications		Total	Accepted Applications	
Total	670,128	156,258	23.3%	1,456,225	762,450	52.4%	2,129,726	920,954	43.2%
Public	394,902	107,316	27.2%	871,098	477,478	54.8%	1,268,474	586,466	46.2%
Private, not-for-profit	271,279	46,762	17.2%	580,333	281,821	48.6%	852,511	329,157	38.6%
Private, for-profit	S	S		S	S		S	S	
Doctoral: Very High Research	549,365	111,471	20.3%	883,566	410,775	46.5%	1,432,931	522,246	36.4%
Public	329,092	83,205	25.3%	561,730	280,549	49.9%	890,822	363,754	40.8%
Private, not-for-profit	220,273	28,266	12.8%	321,836	130,226	40.5%	542,109	158,492	29.2%
Private, for-profit	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral: High Research	68,251	24,670	36.1%	224,842	137,515	61.2%	293,093	162,185	55.3%
Public	42,048	16,673	39.7%	128,317	82,124	64.0%	170,365	98,797	58.0%
Private, not-for-profit	25,729	7,881	30.6%	96,303	55,303	57.4%	122,032	63,184	51.8%
Private, for-profit	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral/Professional Universities	17,753	8,574	48.3%	104,287	63,285	60.7%	122,040	71,859	58.9%
Public	5,403	2,466	45.6%	34,929	22,902	65.6%	40,332	25,368	62.9%
Private, not-for-profit	11,425	5,579	48.8%	68,224	39,475	57.9%	79,649	45,054	56.6%
Private, for-profit	S	S		S	S		S	S	
Master's Colleges and Universities	14,156	5,745	40.6%	204,168	130,851	64.1%	221,697	138,842	62.6%
Public	6,709	2,917	43.5%	135,483	87,235	64.4%	144,666	91,824	63.5%
Private, not-for-profit	7,447	2,828	38.0%	68,685	43,616	63.5%	77,031	47,018	61.0%
Private, for-profit	N/A	N/A		N/A	N/A		N/A	N/A	
Other	20,603	5,798	28.1%	39,362	20,024	50.9%	59,965	25,822	43.1%
Public	11,650	2,055	17.6%	10,639	4,668	43.9%	22,289	6,723	30.2%
Private, not-for-profit	6,405	2,208	34.5%	25,285	13,201	52.2%	31,690	15,409	48.6%
Private, for-profit	N/A	N/A		N/A	N/A		N/A	N/A	

* Includes applications to graduate-level certificate and education specialist programs.

** See Appendix A for information about the Carnegie Classification system.

Notes: Because not all institutions responded to all items, details may not sum to totals. N/A = Not applicable. S = Suppressed due to small number of institutional respondents in this category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.2: Applications for Admission to Graduate School by Broad Field and Degree Level, Fall 2019

Broad Field	Doctoral			Master's/Other *			Total		
	Total	Accepted Applications		Total	Accepted Applications		Total	Accepted Applications	
Total	670,128	156,258	23.3%	1,456,225	762,450	52.4%	2,129,726	920,954	43.2%
Arts and Humanities	53,923	10,424	19.3%	83,931	33,611	40.0%	137,854	44,068	32.0%
Biological and Agricultural Sciences	82,108	15,510	18.9%	49,617	25,212	50.8%	131,838	40,778	30.9%
Business	23,505	4,046	17.2%	242,525	132,074	54.5%	266,142	136,243	51.2%
Education	28,033	12,874	45.9%	123,965	88,139	71.1%	152,075	101,354	66.6%
Engineering	94,668	24,466	25.8%	166,948	82,208	49.2%	261,616	106,674	40.8%
Health Sciences	74,850	20,953	28.0%	185,510	80,866	43.6%	267,286	103,257	38.6%
Mathematics and Computer Sciences	63,024	13,367	21.2%	193,804	75,015	38.7%	256,828	88,389	34.4%
Physical and Earth Sciences	66,172	16,789	25.4%	16,333	7,753	47.5%	82,505	24,542	29.7%
Public Administration and Services	4,463	1,365	30.6%	61,489	40,900	66.5%	66,336	42,759	64.5%
Social and Behavioral Sciences	114,111	18,233	16.0%	85,276	48,612	57.0%	199,695	67,090	33.6%
Other Fields	20,615	6,159	29.9%	96,251	58,099	60.4%	116,866	64,258	55.0%

* Includes applications to graduate-level certificate and education specialist programs.

Notes: Because not all institutions responded to all items, details may not sum to totals. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.3: First-Time Graduate Enrollment by Institution Type, Carnegie Classification, Gender, and Attendance Status, Fall 2019

Carnegie Classification and Institution Type *	Total	Men		Women		Full-Time		Part-Time	
Total	518,721	207,494	40.7%	302,204	59.3%	343,778	66.3%	174,821	33.7%
Public	328,016	135,830	41.4%	192,096	58.6%	212,961	64.9%	115,055	35.1%
Private, not-for-profit	169,227	68,377	40.4%	100,728	59.6%	120,127	71.0%	48,978	29.0%
Private, for-profit	S	S		S		S		S	
Doctoral: Very High Research	256,448	119,395	46.6%	137,053	53.4%	194,926	76.0%	61,522	24.0%
Public	183,715	85,495	46.5%	98,220	53.5%	135,443	73.7%	48,272	26.3%
Private, not-for-profit	72,733	33,900	46.6%	38,833	53.4%	59,483	81.8%	13,250	18.2%
Private, for-profit	N/A	N/A		N/A		N/A		N/A	
Doctoral: High Research	91,522	36,122	39.5%	55,400	60.5%	57,148	62.4%	34,374	37.6%
Public	60,938	23,343	38.3%	37,595	61.7%	35,629	58.5%	25,309	41.5%
Private, not-for-profit	30,474	12,729	41.8%	17,745	58.2%	21,411	70.3%	9,063	29.7%
Private, for-profit	N/A	N/A		N/A		N/A		N/A	
Doctoral/Professional Universities	64,339	15,820	28.5%	39,708	71.5%	32,874	51.1%	31,465	48.9%
Public	16,403	4,723	28.8%	11,680	71.2%	7,669	46.8%	8,734	53.2%
Private, not-for-profit	29,759	8,910	29.9%	20,849	70.1%	17,278	58.1%	12,481	41.9%
Private, for-profit	S	S		S		S		S	
Master's Colleges and Universities	91,751	30,626	33.5%	60,913	66.5%	48,047	52.4%	43,582	47.6%
Public	61,871	20,737	33.6%	41,044	66.4%	30,996	50.1%	30,875	49.9%
Private, not-for-profit	29,880	9,889	33.2%	19,869	66.8%	17,051	57.3%	12,707	42.7%
Private, for-profit	N/A	N/A		N/A		N/A		N/A	
Other	14,607	5,508	37.7%	9,099	62.3%	10,729	73.5%	3,878	26.5%
Public	5,089	1,532	30.1%	3,557	69.9%	3,224	63.4%	1,865	36.6%
Private, not-for-profit	6,381	2,949	46.2%	3,432	53.8%	4,904	76.9%	1,477	23.1%
Private, for-profit	N/A	N/A		N/A		N/A		N/A	

* See Appendix A about the Carnegie Classification system.

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender or attendance status. N/A = Not applicable. S = Suppressed due to small number of institutional respondents in this category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.4: First-Time Graduate Enrollment by Broad Field, Gender, and Attendance Status, Fall 2019

Broad Field	Total	Men		Women		Full-Time		Part-Time	
Total	518,721	207,494	40.7%	302,204	59.3%	343,778	66.3%	174,821	33.7%
Arts and Humanities	24,174	10,067	41.7%	14,096	58.3%	19,434	80.4%	4,740	19.6%
Biological and Agricultural Sciences	23,482	9,514	40.5%	13,968	59.5%	19,743	84.1%	3,739	15.9%
Business	85,220	43,618	52.9%	38,840	47.1%	54,972	64.5%	30,248	35.5%
Education	77,292	17,658	23.9%	56,151	76.1%	34,453	44.6%	42,747	55.4%
Engineering	43,443	30,939	71.2%	12,504	28.8%	34,942	80.4%	8,501	19.6%
Health Sciences	67,352	14,290	21.2%	53,036	78.8%	45,398	67.4%	21,954	32.6%
Mathematics and Computer Sciences	37,595	24,413	65.4%	12,917	34.6%	27,191	72.3%	10,404	27.7%
Physical and Earth Sciences	11,536	6,747	58.5%	4,789	41.5%	10,265	89.0%	1,271	11.0%
Public Administration and Services	27,272	5,658	20.9%	21,474	79.1%	18,846	69.1%	8,426	30.9%
Social and Behavioral Sciences	39,903	13,094	34.6%	24,793	65.4%	29,593	74.2%	10,310	25.8%
Other Fields	36,258	13,567	37.6%	22,482	62.4%	23,106	63.7%	13,152	36.3%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender or attendance status. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.5: First-Time Graduate Enrollment by Gender, Attendance Status, and Broad Field, Fall 2019

Broad Field	Men				Women			
	Full-Time		Part-Time		Full-Time		Part-Time	
Total	145,732	70.3%	61,690	29.7%	194,656	64.5%	107,260	35.5%
Arts and Humanities	8,287	82.4%	1,774	17.6%	11,145	79.1%	2,946	20.9%
Biological and Agricultural Sciences	7,983	83.9%	1,531	16.1%	11,760	84.2%	2,208	15.8%
Business	29,012	66.5%	14,597	33.5%	24,970	64.3%	13,853	35.7%
Education	8,278	47.0%	9,338	53.0%	24,650	44.1%	31,291	55.9%
Engineering	24,712	79.9%	6,227	20.1%	10,230	81.8%	2,274	18.2%
Health Sciences	10,345	72.4%	3,945	27.6%	35,028	66.0%	18,008	34.0%
Mathematics and Computer Sciences	17,339	71.0%	7,073	29.0%	9,756	75.5%	3,160	24.5%
Physical and Earth Sciences	6,047	89.6%	700	10.4%	4,218	88.1%	571	11.9%
Public Administration and Services	3,714	65.8%	1,934	34.2%	15,024	70.2%	6,370	29.8%
Social and Behavioral Sciences	10,038	76.7%	3,043	23.3%	19,004	76.7%	5,763	23.3%
Other Fields	8,962	66.1%	4,605	33.9%	14,067	62.6%	8,415	37.4%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known attendance status. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.6: First-Time Graduate Enrollment by Broad Field and Degree Level, Fall 2019

Broad Field	Total	Doctoral		Master's/Other *	
Total	518,721	91,698	17.6%	429,569	82.4%
Arts and Humanities	24,174	5,289	21.9%	18,889	78.1%
Biological and Agricultural Sciences	23,482	8,338	35.5%	15,144	64.5%
Business	85,220	4,304	5.0%	81,011	95.0%
Education	77,292	10,795	13.9%	66,784	86.1%
Engineering	43,443	10,200	23.3%	33,576	76.7%
Health Sciences	67,352	13,896	20.6%	53,456	79.4%
Mathematics and Computer Sciences	37,595	5,444	14.5%	32,151	85.5%
Physical and Earth Sciences	11,536	6,941	60.2%	4,598	39.8%
Public Administration and Services	27,272	917	3.4%	26,355	96.6%
Social and Behavioral Sciences	39,903	11,370	28.5%	28,516	71.5%
Other Fields	36,258	2,887	8.0%	33,371	92.0%

* Includes first-time enrollment in graduate-level certificate and education specialist programs.

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known degree levels. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.7: First-Time Graduate Enrollment by Degree Level, Gender, and Broad Field, Fall 2019

Broad Field	Doctoral				Master's/Other *			
	Men		Women		Men		Women	
Total	38,908	45.3%	46,976	54.7%	170,167	39.9%	255,923	60.1%
Arts and Humanities	2,471	46.7%	2,818	53.3%	7,588	40.2%	11,272	59.8%
Biological and Agricultural Sciences	3,572	42.8%	4,766	57.2%	5,942	39.2%	9,202	60.8%
Business	1,266	52.3%	1,153	47.7%	42,396	52.9%	37,712	47.1%
Education	2,467	29.9%	5,773	70.1%	15,232	23.2%	50,467	76.8%
Engineering	7,143	70.0%	3,057	30.0%	24,043	71.6%	9,533	28.4%
Health Sciences	3,730	26.8%	10,166	73.2%	10,554	19.8%	42,841	80.2%
Mathematics and Computer Sciences	3,753	71.4%	1,503	28.6%	20,659	64.4%	11,413	35.6%
Physical and Earth Sciences	4,339	62.5%	2,602	37.5%	2,411	52.4%	2,187	47.6%
Public Administration and Services	263	32.0%	559	68.0%	5,385	20.5%	20,835	79.5%
Social and Behavioral Sciences	3,666	35.1%	6,790	64.9%	9,402	34.4%	17,947	65.6%
Other Fields	1,224	44.9%	1,501	55.1%	12,343	37.0%	20,981	63.0%

* Includes first-time enrollment in graduate-level certificate and education specialist programs.

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.8: First-Time Graduate Enrollment by Institution Type, Carnegie Classification, and Citizenship, Fall 2019

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
Total	518,721	410,296	80.0%	102,850	20.0%
Institution Type					
Public	328,016	267,520	82.0%	58,561	18.0%
Private, not-for-profit	169,227	127,779	74.6%	43,553	25.4%
Private, for-profit	S	S		S	
Carnegie Classification *					
Doctoral: Very High Research	256,448	184,205	71.0%	75,276	29.0%
Doctoral: High Research	91,522	77,280	84.5%	14,217	15.5%
Doctoral/Professional Universities	64,339	53,656	93.1%	4,007	6.9%
Master's Colleges and Universities	91,751	83,431	92.8%	6,495	7.2%
Other	14,661	11,724	80.4%	2,855	19.6%

* See Appendix A for information about the Carnegie Classification system.

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known citizenship. S = Suppressed due to a small number of institutional respondents in this category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.9: First-Time Graduate Enrollment by Broad Field and Citizenship, Fall 2019

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
Total	518,721	410,296	80.0%	102,850	20.0%
Arts and Humanities	24,174	19,523	81.8%	4,346	18.2%
Biological and Agricultural Sciences	23,482	18,451	80.4%	4,484	19.6%
Business	85,220	64,980	79.0%	17,288	21.0%
Education	77,292	71,174	95.8%	3,134	4.2%
Engineering	43,443	21,393	49.9%	21,442	50.1%
Health Sciences	67,352	62,841	95.0%	3,293	5.0%
Mathematics and Computer Sciences	37,595	16,769	45.6%	19,981	54.4%
Physical and Earth Sciences	11,536	7,934	69.6%	3,462	30.4%
Public Administration and Services	27,272	25,883	95.8%	1,126	4.2%
Social and Behavioral Sciences	39,903	31,691	83.0%	6,468	17.0%
Other Fields	36,258	29,208	81.7%	6,523	18.3%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known citizenship. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.10: First-Time Graduate Enrollment by Citizenship, Race/Ethnicity, and Gender, Fall 2019

Citizenship and Race/Ethnicity	Total	Men		Women	
Total	518,721	207,494	40.7%	302,204	59.3%
U.S. Citizens and Permanent Residents	410,296	151,786	37.4%	254,489	62.6%
Hispanic/Latino	49,165	17,527	35.8%	31,432	64.2%
<i>Non-Hispanic:</i>					
American Indian/Alaska Native	2,000	658	33.5%	1,309	66.5%
Asian	31,510	13,804	43.9%	17,641	56.1%
Black/African American	49,955	14,892	30.6%	33,773	69.4%
Native Hawaiian/ Other Pacific Islander	735	290	40.5%	426	59.5%
White	244,312	92,237	38.0%	150,471	62.0%
Two or More Races	13,298	4,840	36.8%	8,296	63.2%
Race/Ethnicity Unknown	20,504	7,874	39.6%	11,988	60.4%
Temporary Residents	102,850	56,256	54.7%	46,536	45.3%
Citizenship Unknown	6,143	462	48.1%	499	51.9%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender within each citizenship and race/ethnicity category. See Appendix A for a description of each citizenship and race/ethnicity category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.11 First-Time Graduate Enrollment by Broad Field and Race/Ethnicity, Fall 2019
(U.S. Citizens and Permanent Residents Only)**

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/ African American	
Total	49,165	11.9%	2,000	0.5%	31,510	7.7%	49,955	12.1%
Arts and Humanities	2,375	12.2%	115	0.6%	962	4.9%	1,413	7.2%
Biological and Agricultural Sciences	2,056	11.1%	83	0.4%	1,977	10.7%	1,315	7.1%
Business	7,140	11.0%	279	0.4%	6,170	9.5%	8,334	12.8%
Education	9,404	13.1%	403	0.6%	2,478	3.5%	9,547	13.3%
Engineering	2,458	11.5%	70	0.3%	3,192	14.9%	1,231	5.8%
Health Sciences	6,150	9.8%	296	0.5%	5,083	8.1%	7,363	11.7%
Mathematics and Computer Sciences	1,623	9.7%	32	0.2%	3,214	19.2%	1,640	9.8%
Physical and Earth Sciences	845	10.7%	31	0.4%	559	7.0%	356	4.5%
Public Administration and Services	3,918	15.1%	214	0.8%	973	3.8%	4,773	18.4%
Social and Behavioral Sciences	4,646	14.6%	200	0.6%	1,826	5.7%	4,175	13.1%
Other Fields	3,820	13.1%	206	0.7%	1,489	5.1%	3,805	13.0%

Broad Field	Native Hawaiian/ Other Pacific Islander		White		Two or More Races		Race/ Ethnicity Unknown	
Total	735	0.2%	244,312	59.4%	13,298	3.2%	20,504	5.0%
Arts and Humanities	35	0.2%	13,024	66.7%	749	3.8%	850	4.4%
Biological and Agricultural Sciences	17	0.1%	11,490	62.3%	706	3.8%	810	4.4%
Business	165	0.3%	37,495	57.6%	1,768	2.7%	3,754	5.8%
Education	164	0.2%	44,041	61.3%	1,966	2.7%	3,794	5.3%
Engineering	29	0.1%	12,778	59.7%	794	3.7%	841	3.9%
Health Sciences	106	0.2%	38,615	61.4%	1,827	2.9%	3,488	5.5%
Mathematics and Computer Sciences	26	0.2%	8,598	51.3%	589	3.5%	1,047	6.2%
Physical and Earth Sciences	9	0.1%	5,555	70.0%	300	3.8%	279	3.5%
Public Administration and Services	50	0.2%	14,092	54.4%	828	3.2%	1,080	4.2%
Social and Behavioral Sciences	50	0.2%	18,197	57.3%	1,205	3.8%	1,461	4.6%
Other Fields	58	0.2%	17,259	59.1%	927	3.2%	1,644	5.6%

Notes: This table only includes U.S. citizens and permanent residents. See Table B.9 for first-time enrollment by broad field for temporary residents. Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known race/ethnicity. See Appendix A for a description of each race/ethnicity category. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.12 Total Graduate Enrollment by Institution Type, Carnegie Classification, Gender, and Attendance Status, Fall 2019

Carnegie Classification and Institution Type *	Total	Men		Women		Full-Time		Part-Time	
Total	1,811,832	746,390	41.5%	1,052,785	58.5%	1,025,274	56.6%	785,879	43.4%
Public	1,125,161	476,679	42.4%	648,482	57.6%	624,466	55.5%	500,695	44.5%
Private, not-for-profit	563,881	228,992	40.8%	332,944	59.2%	345,010	61.3%	218,192	38.7%
Private, for-profit	S	S		S		S		S	
Doctoral: Very High Research	852,900	411,248	48.2%	441,652	51.8%	581,347	68.2%	271,553	31.8%
Public	627,003	300,075	47.9%	326,928	52.1%	409,942	65.4%	217,061	34.6%
Private, not-for-profit	225,897	111,173	49.2%	114,724	50.8%	171,405	75.9%	54,492	24.1%
Private, for-profit	N/A	N/A		N/A		N/A		N/A	
Doctoral: High Research	311,721	124,136	39.8%	187,585	60.2%	159,906	51.3%	151,815	48.7%
Public	215,044	83,797	39.0%	131,247	61.0%	101,818	47.3%	113,226	52.7%
Private, not-for-profit	96,411	40,217	41.7%	56,194	58.3%	57,827	60.0%	38,584	40.0%
Private, for-profit	N/A	N/A		N/A		N/A		N/A	
Doctoral/Professional Universities	218,864	57,868	28.0%	149,018	72.0%	97,513	44.6%	121,351	55.4%
Public	62,265	17,817	28.6%	44,448	71.4%	21,945	35.2%	40,320	64.8%
Private, not-for-profit	102,038	30,385	30.2%	70,387	69.8%	49,413	48.4%	52,625	51.6%
Private, for-profit	S	S		S		S		S	
Master's Colleges and Universities	351,883	127,653	36.3%	223,551	63.7%	134,259	38.2%	216,945	61.8%
Public	202,694	69,082	34.1%	133,612	65.9%	79,439	39.2%	123,255	60.8%
Private, not-for-profit	117,062	38,866	33.4%	77,517	66.6%	53,484	46.0%	62,899	54.0%
Private, for-profit	S	S		S		S		S	
Other	76,211	25,367	33.3%	50,844	66.7%	51,996	68.2%	24,215	31.8%
Public	18,155	5,908	32.5%	12,247	67.5%	11,322	62.4%	6,833	37.6%
Private, not-for-profit	22,473	8,351	37.2%	14,122	62.8%	12,881	57.3%	9,592	42.7%
Private, for-profit	N/A	N/A		N/A		N/A		N/A	

* See Appendix A for information about the Carnegie Classification system.

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender or attendance status. N/A = Not applicable. S = Suppressed due to small number of institutional respondents in this category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.13: Total Graduate Enrollment by Broad Field, Gender, and Attendance Status, Fall 2019

Broad Field	Total	Men		Women		Full-Time		Part-Time	
Total	1,811,832	746,390	41.5%	1,052,785	58.5%	1,025,274	56.6%	785,879	43.4%
Arts and Humanities	92,200	40,287	43.7%	51,909	56.3%	62,643	67.9%	29,557	32.1%
Biological and Agricultural Sciences	94,414	41,094	43.5%	53,307	56.5%	71,765	76.0%	22,649	24.0%
Business	268,071	140,054	53.5%	121,941	46.5%	128,249	48.3%	137,106	51.7%
Education	286,547	69,277	24.6%	212,116	75.4%	103,837	36.3%	181,835	63.7%
Engineering	154,417	112,426	72.8%	41,991	27.2%	109,816	71.1%	44,601	28.9%
Health Sciences	241,173	52,016	21.6%	189,076	78.4%	141,713	58.8%	99,460	41.2%
Mathematics and Computer Sciences	121,209	81,469	67.8%	38,733	32.2%	71,569	59.4%	48,961	40.6%
Physical and Earth Sciences	51,922	31,761	61.2%	20,161	38.8%	43,772	84.3%	8,150	15.7%
Public Administration and Services	78,913	17,391	22.1%	61,355	77.9%	48,397	61.3%	30,516	38.7%
Social and Behavioral Sciences	135,342	47,409	35.8%	84,884	64.2%	90,605	67.3%	44,058	32.7%
Other Fields	116,357	46,878	40.4%	69,215	59.6%	57,868	49.7%	58,489	50.3%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender or attendance status. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.14: Total Graduate Enrollment by Gender, Attendance Status, and Broad Field, Fall 2019

Broad Field	Men				Women			
	Full-Time		Part-Time		Full-Time		Part-Time	
Total	442,561	59.3%	303,572	40.7%	576,773	54.8%	474,957	45.2%
Arts and Humanities	27,403	68.1%	12,862	31.9%	35,231	67.9%	16,645	32.1%
Biological and Agricultural Sciences	31,448	76.5%	9,646	23.5%	40,317	75.6%	12,990	24.4%
Business	68,360	48.8%	71,661	51.2%	58,380	47.9%	63,513	52.1%
Education	25,430	36.8%	43,716	63.2%	75,998	35.9%	135,490	64.1%
Engineering	79,168	70.4%	33,258	29.6%	30,648	73.0%	11,343	27.0%
Health Sciences	33,850	65.1%	18,166	34.9%	107,806	57.0%	81,270	43.0%
Mathematics and Computer Sciences	46,945	57.6%	34,519	42.4%	24,477	63.2%	14,254	36.8%
Physical and Earth Sciences	27,015	85.1%	4,746	14.9%	16,757	83.1%	3,404	16.9%
Public Administration and Services	9,512	54.8%	7,846	45.2%	38,621	63.2%	22,453	36.8%
Social and Behavioral Sciences	32,208	68.0%	15,157	32.0%	57,575	67.9%	27,213	32.1%
Other Fields	23,044	49.2%	23,834	50.8%	34,696	50.1%	34,519	49.9%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known attendance status. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.15: Total Graduate Enrollment by Broad Field and Degree Level, Fall 2019

Broad Field	Total	Doctoral		Master's/Other *	
Total	1,811,832	479,936	26.5%	1,329,673	73.5%
Arts and Humanities	92,200	35,247	38.3%	56,758	61.7%
Biological and Agricultural Sciences	94,414	51,287	54.3%	43,106	45.7%
Business	268,071	16,964	6.3%	251,218	93.7%
Education	286,547	59,970	21.0%	226,099	79.0%
Engineering	154,417	64,863	41.7%	90,547	58.3%
Health Sciences	241,173	65,432	27.1%	175,712	72.9%
Mathematics and Computer Sciences	121,209	27,734	22.9%	93,393	77.1%
Physical and Earth Sciences	51,922	38,682	74.5%	13,250	25.5%
Public Administration and Services	78,913	5,939	7.5%	72,901	92.5%
Social and Behavioral Sciences	135,342	56,964	42.1%	78,196	57.9%
Other Fields	116,357	15,990	13.8%	100,107	86.2%

* Includes total enrollment in graduate-level certificate and education specialist programs.

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known degree levels. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.16: Total Graduate Enrollment by Degree Level, Gender, and Broad Field, Fall 2019

Broad Field	Doctoral				Master's/Other *			
	Men		Women		Men		Women	
Total	222,270	47.1%	250,037	52.9%	523,504	39.5%	800,820	60.5%
Arts and Humanities	16,448	46.7%	18,799	53.3%	23,730	41.9%	32,952	58.1%
Biological and Agricultural Sciences	23,543	45.9%	27,744	54.1%	17,544	40.7%	25,549	59.3%
Business	7,505	52.8%	6,717	47.2%	132,572	53.5%	115,231	46.5%
Education	17,385	30.7%	39,211	69.3%	51,707	23.1%	172,136	76.9%
Engineering	47,430	73.1%	17,433	26.9%	65,728	72.6%	24,819	27.4%
Health Sciences	18,069	27.6%	47,363	72.4%	33,929	19.3%	141,623	80.7%
Mathematics and Computer Sciences	19,844	72.3%	7,584	27.7%	61,561	66.4%	31,124	33.6%
Physical and Earth Sciences	24,640	63.7%	14,042	36.3%	7,132	53.8%	6,118	46.2%
Public Administration and Services	1,908	32.8%	3,912	67.2%	15,431	21.3%	57,108	78.7%
Social and Behavioral Sciences	20,909	37.6%	34,774	62.4%	26,391	34.6%	49,897	65.4%
Other Fields	7,374	46.7%	8,401	53.3%	39,396	39.4%	60,662	60.6%

* Includes total enrollment in graduate-level certificate and education specialist programs.

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.17: Total Graduate Enrollment by Institution Type, Carnegie Classification, and Citizenship, Fall 2019

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
Total	1,811,832	1,475,016	82.2%	320,261	17.8%
Institution Type					
Public	1,125,161	918,577	82.1%	200,570	17.9%
Private, not-for-profit	563,881	445,524	79.2%	116,752	20.8%
Private, for-profit	S	S		S	
Carnegie Classification *					
Doctoral: Very High Research	852,900	618,448	72.6%	233,024	27.4%
Doctoral: High Research	311,721	265,520	85.2%	46,122	14.8%
Doctoral/Professional Universities	218,864	197,282	94.0%	12,529	6.0%
Master's Colleges and Universities	351,883	325,661	94.1%	20,370	5.9%
Other	76,464	68,105	89.2%	8,216	10.8%

* See Appendix A for information about the Carnegie Classification system. S = Suppressed due to small number of institutional respondents in this category.

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known citizenship.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.18: Total Graduate Enrollment by Broad Field and Citizenship, Fall 2019

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
Total	1,811,832	1,475,016	82.2%	320,261	17.8%
Arts and Humanities	92,200	75,188	82.8%	15,668	17.2%
Biological and Agricultural Sciences	94,414	72,705	79.0%	19,355	21.0%
Business	268,071	219,321	84.4%	40,482	15.6%
Education	286,547	268,331	96.4%	10,150	3.6%
Engineering	154,417	76,298	50.2%	75,795	49.8%
Health Sciences	241,173	224,962	95.2%	11,358	4.8%
Mathematics and Computer Sciences	121,209	60,061	51.0%	57,786	49.0%
Physical and Earth Sciences	51,922	33,876	66.1%	17,408	33.9%
Public Administration and Services	78,913	75,391	96.4%	2,831	3.6%
Social and Behavioral Sciences	135,342	110,240	84.4%	20,304	15.6%
Other Fields	116,357	97,915	85.4%	16,781	14.6%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known citizenship. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.19: Total Graduate Enrollment by Citizenship, Race/Ethnicity, and Gender, Fall 2019

Citizenship and Race/Ethnicity	Total	Men		Women	
Total	1,811,832	746,390	41.5%	1,052,785	58.5%
U.S. Citizens and Permanent Residents	1,475,016	560,128	38.1%	909,461	61.9%
Hispanic/Latino	166,691	60,986	36.7%	105,397	63.3%
<i>Non-Hispanic:</i>					
American Indian/Alaska Native	7,339	2,521	34.5%	4,783	65.5%
Asian	102,488	45,526	44.5%	56,865	55.5%
Black/African American	188,478	56,840	30.4%	130,248	69.6%
Native Hawaiian/ Other Pacific Islander	3,039	1,200	39.8%	1,818	60.2%
White	884,033	345,035	39.1%	536,328	60.9%
Two or More Races	44,488	16,675	37.6%	27,625	62.4%
Race/Ethnicity Unknown	81,681	32,306	39.9%	48,657	60.1%
Temporary Residents	320,261	183,436	57.3%	136,719	42.7%
Citizenship Unknown	10,090	1,381	42.9%	1,835	57.1%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender within each citizenship and race/ethnicity category. See Appendix A for a description of each citizenship and race/ethnicity category. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.20: Total Graduate Enrollment by Broad Field and Race/Ethnicity, Fall 2019
(U.S. Citizens and Permanent Residents Only)

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/ African American	
Total	166,691	11.3%	7,339	0.5%	102,488	6.9%	188,478	12.8%
Arts and Humanities	8,629	11.5%	431	0.6%	3,387	4.5%	4,627	6.2%
Biological and Agricultural Sciences	7,563	10.4%	342	0.5%	6,665	9.2%	4,428	6.1%
Business	23,473	10.7%	944	0.4%	19,194	8.7%	31,669	14.4%
Education	33,866	12.5%	1,558	0.6%	8,756	3.2%	37,348	13.8%
Engineering	8,058	10.6%	234	0.3%	10,040	13.2%	4,359	5.7%
Health Sciences	19,668	8.7%	1,023	0.5%	17,689	7.9%	27,970	12.4%
Mathematics and Computer Sciences	5,537	9.2%	143	0.2%	10,229	17.0%	6,172	10.3%
Physical and Earth Sciences	3,313	9.8%	134	0.4%	2,488	7.3%	1,261	3.7%
Public Administration and Services	10,495	13.9%	571	0.8%	2,485	3.3%	15,632	20.7%
Social and Behavioral Sciences	15,133	13.7%	742	0.7%	6,001	5.4%	14,776	13.4%
Other Fields	11,520	11.8%	655	0.7%	4,526	4.6%	11,570	11.8%

Broad Field	Native Hawaiian/ Other Pacific Islander		White		Two or More Races		Race/ Ethnicity Unknown	
Total	3,039	0.2%	884,033	59.8%	44,488	3.0%	81,681	5.5%
Arts and Humanities	135	0.2%	51,154	68.0%	2,794	3.7%	4,031	5.4%
Biological and Agricultural Sciences	100	0.1%	47,739	65.7%	2,674	3.7%	3,197	4.4%
Business	792	0.4%	123,938	56.4%	5,652	2.6%	13,956	6.4%
Education	643	0.2%	167,877	62.2%	6,849	2.5%	13,143	4.9%
Engineering	120	0.2%	47,344	62.1%	2,628	3.4%	3,515	4.6%
Health Sciences	460	0.2%	139,132	61.8%	6,038	2.7%	13,182	5.9%
Mathematics and Computer Sciences	136	0.2%	32,267	53.7%	1,948	3.2%	3,629	6.0%
Physical and Earth Sciences	43	0.1%	24,171	71.4%	1,148	3.4%	1,318	3.9%
Public Administration and Services	143	0.2%	40,519	53.7%	2,383	3.2%	3,276	4.3%
Social and Behavioral Sciences	221	0.2%	63,655	57.7%	4,075	3.7%	5,802	5.3%
Other Fields	202	0.2%	60,850	62.1%	3,029	3.1%	5,563	5.7%

Notes: This table only includes U.S. citizens and permanent residents. See Table B.18 for total enrollment by broad field for temporary residents. Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known race/ethnicity. See Appendix A for a description of each race/ethnicity category. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.21: Graduate Degrees and Certificates Awarded by Degree Level, Carnegie Classification, and Institution Type, 2018-19

Carnegie Classification and Institution Type *	Doctoral Degrees		Master's Degrees		Certificates	
Total	79,548	100.0%	571,177	100.0%	46,086	100.0%
<i>Public</i>	51,647	65.3%	342,873	60.5%	30,481	66.6%
<i>Private, not-for-profit</i>	24,330	30.8%	193,586	34.1%	13,617	29.8%
<i>Private, for-profit</i>	S		S		S	
Doctoral: Highest Research	51,179	64.4%	257,282	45.0%	19,074	41.4%
<i>Public</i>	38,650	75.5%	183,124	71.2%	14,576	76.4%
<i>Private, not-for-profit</i>	12,529	24.5%	74,158	28.8%	4,498	23.6%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral: Very High Research	12,695	16.0%	100,413	17.6%	10,607	23.0%
<i>Public</i>	8,073	63.8%	65,585	65.3%	8,323	78.5%
<i>Private, not-for-profit</i>	4,584	36.2%	34,790	34.7%	2,284	21.5%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral/Professional Universities	8,052	10.1%	62,486	10.9%	5,802	12.6%
<i>Public</i>	1,945	24.2%	19,409	31.1%	2,138	36.8%
<i>Private, not-for-profit</i>	4,198	52.1%	33,886	54.2%	2,865	49.4%
<i>Private, for-profit</i>	S		S		S	
Master's Colleges and Universities	3,591	4.5%	128,597	22.5%	8,658	18.8%
<i>Public</i>	1,711	47.6%	70,406	54.7%	5,043	58.2%
<i>Private, not-for-profit</i>	1,880	52.4%	44,995	35.0%	3,615	41.8%
<i>Private, for-profit</i>	S		S		S	
Other	4,009	5.0%	22,357	3.9%	1,945	4.2%
<i>Public</i>	1,268	35.6%	4,349	23.6%	401	24.6%
<i>Private, not-for-profit</i>	1,139	31.9%	5,757	31.2%	355	21.8%
<i>Private, for-profit</i>	N/A		N/A		N/A	

* See Appendix A for information about the Carnegie Classification system.

Notes: Percentages for Carnegie classifications are the percent of all degrees awarded at that level by institutions with that Carnegie classification. Percentages for institution types are the percent of degrees awarded at that level by institutions with that Carnegie classification. N/A = Not applicable. S = Suppressed due to small number of institutional respondents in this category. Because not all institutions responded to all items, details may not sum to totals.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.22: Graduate Degrees and Certificates Awarded by Degree Level and Broad Field, 2018-19

Broad Field	Doctoral Degrees		Master's Degrees		Certificates	
Total	79,548	100.0%	571,177	100.0%	46,086	100.0%
Arts and Humanities	5,278	7.3%	22,726	4.5%	1,018	2.6%
Biological and Agricultural Sciences	8,270	11.5%	18,963	3.7%	1,073	2.7%
Business	2,709	3.8%	111,230	21.9%	5,615	14.3%
Education	8,787	12.2%	94,383	18.6%	11,794	30.0%
Engineering	9,985	13.8%	45,754	9.0%	3,084	7.8%
Health Sciences	15,124	21.0%	65,371	12.9%	5,484	13.9%
Mathematics and Computer Sciences	3,436	4.8%	36,995	7.3%	1,926	4.9%
Physical and Earth Sciences	5,656	7.8%	7,194	1.4%	424	1.1%
Public Administration and Services	1,391	1.9%	31,120	6.1%	1,161	3.0%
Social and Behavioral Sciences	8,810	12.2%	34,715	6.8%	3,264	8.3%
Other Fields	2,738	3.8%	39,836	7.8%	4,483	11.4%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known broad fields. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.23: Graduate Certificates Awarded by Broad Field and Gender, 2018-19

Broad Field	Total	Men		Women	
Total	46,086	17,239	37.8%	28,422	62.2%
Arts and Humanities	1,018	426	42.5%	576	57.5%
Biological and Agricultural Sciences	1,073	463	43.2%	610	56.8%
Business	5,615	2,703	48.5%	2,874	51.5%
Education	11,794	2,562	22.4%	8,885	77.6%
Engineering	3,084	2,130	69.1%	954	30.9%
Health Sciences	5,484	1,223	22.3%	4,259	77.7%
Mathematics and Computer Sciences	1,926	1,192	61.9%	734	38.1%
Physical and Earth Sciences	424	225	53.1%	199	46.9%
Public Administration and Services	1,161	385	33.2%	776	66.8%
Social and Behavioral Sciences	3,264	1,313	40.4%	1,934	59.6%
Other Fields	4,483	1,532	34.2%	2,949	65.8%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.24: Master's Degrees Awarded by Broad Field and Gender, 2018-19

Broad Field	Total	Men		Women	
Total	571,177	235,738	41.5%	332,815	58.5%
Arts and Humanities	22,726	9,626	42.7%	12,907	57.3%
Biological and Agricultural Sciences	18,963	8,031	42.4%	10,908	57.6%
Business	111,230	60,716	54.7%	50,213	45.3%
Education	94,383	21,639	23.3%	71,384	76.7%
Engineering	45,754	33,253	72.7%	12,501	27.3%
Health Sciences	65,371	13,121	20.1%	52,147	79.9%
Mathematics and Computer Sciences	36,995	24,086	65.2%	12,841	34.8%
Physical and Earth Sciences	7,194	4,137	57.6%	3,049	42.4%
Public Administration and Services	31,120	6,603	21.3%	24,356	78.7%
Social and Behavioral Sciences	34,715	12,454	36.1%	22,080	63.9%
Other Fields	39,836	16,634	41.8%	23,161	58.2%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table B.25: Doctoral Degrees Awarded by Broad Field and Gender, 2018-19

Broad Field	Total	Men		Women	
Total	79,548	37,365	47.1%	41,943	52.9%
Arts and Humanities	5,278	2,538	48.1%	2,740	51.9%
Biological and Agricultural Sciences	8,270	3,975	48.6%	4,212	51.4%
Business	2,709	1,407	53.3%	1,231	46.7%
Education	8,787	2,746	31.6%	5,939	68.4%
Engineering	9,985	7,465	74.9%	2,499	25.1%
Health Sciences	15,124	4,390	29.0%	10,734	71.0%
Mathematics and Computer Sciences	3,436	2,512	73.2%	918	26.8%
Physical and Earth Sciences	5,656	3,673	64.9%	1,983	35.1%
Public Administration and Services	1,391	365	26.4%	1,019	73.6%
Social and Behavioral Sciences	8,810	3,421	39.0%	5,354	61.0%
Other Fields	2,738	1,358	49.8%	1,370	50.2%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

APPENDIX C

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Table C.1: Applications for Admission to Graduate School by Institution Type, Carnegie Classification, and Degree Level, 2009 to 2019

Institution Type, Carnegie Classification, and Degree Level	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	-0.6%	0.3%	2.7%
Institution Type			
<i>Public</i>	-0.7%	-0.5%	2.1%
<i>Private, not-for-profit</i>	-0.4%	1.7%	4.0%
<i>Private, for-profit</i>	S	N/A	N/A
Carnegie Classification *			
<i>Doctoral: Very High Research</i>	0.4%	0.9%	3.1%
<i>Doctoral: High Research</i>	1.1%	-2.5%	1.2%
<i>Doctoral/Professional Universities</i>	-9.9%	1.6%	3.2%
<i>Master's Colleges and Universities</i>	-2.8%	-1.0%	1.6%
<i>Other</i>	-7.2%	3.1%	2.9%
Degree Level			
<i>Doctoral</i>	0.8%	0.0%	1.8%
<i>Master's/Other **</i>	-1.2%	0.5%	3.4%

* See Appendix A for information about the Carnegie Classification system.

** Includes applications to graduate-level certificate and education specialist programs.

Notes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

N/A = Not available. S = Suppressed due to small number of institutional respondents in this category. Not all respondents provided applications data by level.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.2: Applications for Admission to Graduate School by Broad Field, 2009 to 2019

Broad Field	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	-0.6%	0.3%	2.7%
Arts and Humanities	-2.6%	-2.4%	-1.4%
Biological and Agricultural Sciences	6.1%	1.8%	3.2%
Business	1.4%	0.7%	1.7%
Education	-2.2%	-0.3%	-1.0%
Engineering	-2.1%	-3.3%	2.7%
Health Sciences	-2.3%	-0.2%	7.1%
Mathematics and Computer Sciences	5.2%	6.8%	16.2%
Physical and Earth Sciences	-0.7%	0.2%	2.1%
Public Administration and Services	-7.9%	-1.3%	1.0%
Social and Behavioral Sciences	-4.6%	-0.8%	0.5%
Other Fields	-5.0%	0.7%	0.3%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.3: Applications for Admission to Graduate School by Broad Field and Degree Level, 2009 to 2019

Broad Field	% Change, 2018 to 2019	Doctoral		Master's/Other *		
		Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	0.8%	0.0%	1.8%	-1.2%	0.5%	3.4%
Arts and Humanities	-1.0%	-2.6%	-1.8%	-3.6%	-2.3%	-1.1%
Biological and Agricultural Sciences	10.4%	3.0%	3.5%	-0.6%	-0.2%	2.6%
Business	-1.0%	0.7%	0.1%	1.6%	0.7%	1.9%
Education	-2.5%	0.9%	1.2%	-2.2%	-0.6%	-1.4%
Engineering	0.3%	-0.3%	1.2%	-3.5%	-4.7%	3.8%
Health Sciences	-6.8%	-3.0%	6.6%	-0.6%	0.9%	7.4%
Mathematics and Computer Sciences	4.0%	7.1%	5.6%	5.6%	6.7%	24.4%
Physical and Earth Sciences	0.4%	1.5%	2.8%	-5.0%	-4.2%	-0.6%
Public Administration and Services	7.2%	2.8%	-0.3%	-6.9%	-1.5%	1.1%
Social and Behavioral Sciences	-3.5%	-1.5%	0.4%	-6.0%	0.3%	0.6%
Other Fields	-6.2%	0.7%	1.2%	-4.7%	0.6%	0.3%

* Includes applications to graduate-level certificate and education specialist programs.

Notes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.4: First-Time Graduate Enrollment by Institution Type and Carnegie Classification, 2009 to 2019

Carnegie Classification and Institution Type *	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	2.5%	2.2%	1.4%
<i>Public</i>	1.8%	2.3%	1.3%
<i>Private, not-for-profit</i>	4.0%	2.2%	1.7%
<i>Private, for-profit</i>	S	N/A	N/A
Doctoral: Very High Research	3.2%	3.3%	2.7%
<i>Public</i>	2.4%	3.1%	2.2%
<i>Private, not-for-profit</i>	5.5%	4.2%	4.2%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral: High Research	3.0%	0.3%	-0.2%
<i>Public</i>	0.9%	0.4%	-0.2%
<i>Private, not-for-profit</i>	7.8%	0.0%	0.0%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral/Professional Universities	-0.1%	1.6%	-0.5%
<i>Public</i>	4.8%	2.8%	-1.4%
<i>Private, not-for-profit</i>	-2.6%	0.9%	0.1%
<i>Private, for-profit</i>	S	N/A	N/A
Master's Colleges and Universities	0.7%	1.1%	0.4%
<i>Public</i>	0.0%	1.3%	0.7%
<i>Private, not-for-profit</i>	2.6%	0.3%	-0.3%
<i>Private, for-profit</i>	N/A	N/A	N/A
Other	3.0%	5.8%	2.5%
<i>Public</i>	-3.2%	7.4%	3.3%
<i>Private, not-for-profit</i>	9.9%	4.4%	1.7%
<i>Private, for-profit</i>	N/A	N/A	N/A

* See Appendix A for information about the Carnegie Classification system.

Notes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

N/A = Not available. S = Suppressed due to small number of institutional respondents in this category.

Because not all institutions responded to all items, details may not sum to totals.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.5: First-Time Graduate Enrollment by Citizenship and Race/Ethnicity, 2009 to 2019

Citizenship and Race/Ethnicity	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	2.5%	2.2%	1.4%
U.S. Citizens and Permanent Residents	2.2%	3.1%	1.1%
<i>American Indian/Alaska Native</i>	3.5%	2.2%	-2.0%
<i>Asian/Pacific Islander *</i>	5.1%	7.0%	4.0%
<i>Asian</i>	5.3%	7.2%	N/A
<i>Native Hawaiians/Other Pacific Islanders</i>	-3.0%	1.2%	N/A
<i>Black/African American</i>	5.5%	5.3%	2.1%
<i>Hispanic/Latino</i>	5.7%	9.1%	6.6%
<i>White</i>	0.5%	1.5%	0.0%
Temporary Residents	3.8%	0.3%	5.6%
Other/Unknown **	-2.5%	0.2%	-2.2%

** Includes U.S. citizens and permanent residents of two or more races, U.S. citizens and permanent residents whose race/ethnicity is not known and individuals whose citizenship is not known.

Notes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

N/A=Not available. Ten-year trend data are unavailable for Asian and Native Hawaiians/Other Pacific Islanders. See Appendix A for a description of each citizenship and race/ethnicity category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.6: First-Time Graduate Enrollment by Citizenship, Race/Ethnicity, and Gender, 2009 to 2019

Citizenship and Race/Ethnicity	Men			Women		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	1.4%	0.8%	1.1%	3.2%	3.4%	1.6%
U.S. Citizens and Permanent Residents	1.1%	1.9%	0.6%	2.8%	3.9%	1.3%
<i>American Indian/Alaska Native</i>	7.2%	-0.6%	-2.8%	1.6%	4.0%	-1.6%
<i>Asian/Pacific Islander *</i>	4.1%	5.8%	3.3%	5.9%	8.1%	4.5%
<i>Asian</i>	4.1%	5.9%	N/A	6.2%	8.3%	N/A
<i>Native Hawaiians/Other Pacific Islanders</i>	4.4%	1.8%	N/A	-7.9%	0.7%	N/A
<i>Black/African American</i>	4.4%	4.7%	2.6%	6.0%	5.6%	1.9%
<i>Hispanic/Latino</i>	4.6%	7.4%	6.3%	6.4%	10.2%	6.7%
<i>White</i>	-0.4%	0.4%	-0.5%	1.2%	2.2%	0.3%
Temporary Residents	2.1%	-0.9%	4.8%	5.9%	2.1%	6.6%
Other/Unknown **	-2.8%	-1.1%	-2.9%	-2.5%	1.1%	-1.7%

** Includes U.S. citizens and permanent residents of two or more races, U.S. citizens and permanent residents whose race/ethnicity is not known and individuals whose citizenship is not known.

Notes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

N/A=Not available. Ten-year trend data are unavailable for Asian and Native Hawaiians/Other Pacific Islanders. See Appendix A for a description of each citizenship and race/ethnicity category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.7: First-Time Graduate Enrollment by Broad Field, 2009 to 2019

Broad Field	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	2.5%	2.2%	1.4%
Arts and Humanities	-2.0%	-0.9%	-1.7%
Biological and Agricultural Sciences	1.9%	3.0%	2.5%
Business	1.6%	3.7%	2.2%
Education	0.4%	0.6%	-1.8%
Engineering	5.0%	-0.9%	2.5%
Health Sciences	3.5%	3.6%	5.1%
Mathematics and Computer Sciences	5.7%	4.9%	11.6%
Physical and Earth Sciences	-2.5%	0.7%	0.5%
Public Administration and Services	-0.4%	0.8%	0.5%
Social and Behavioral Sciences	2.2%	1.9%	0.2%
Other Fields	6.9%	2.9%	-0.4%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.8: First-Time Graduate Enrollment by Broad Field and Attendance Status, 2009 to 2019

Broad Field	Full-Time			Part-Time		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	1.3%	1.5%	1.9%	5.2%	4.0%	0.3%
Arts and Humanities	-2.4%	-1.1%	-1.4%	-0.2%	-0.2%	-2.8%
Biological and Agricultural Sciences	0.7%	2.6%	2.2%	9.2%	5.3%	3.4%
Business	2.5%	2.8%	2.3%	-0.3%	6.0%	2.2%
Education	-3.4%	-0.7%	-1.8%	3.8%	1.8%	-1.8%
Engineering	4.5%	-1.5%	2.6%	7.2%	2.0%	1.7%
Health Sciences	2.9%	3.1%	5.2%	4.8%	4.7%	4.5%
Mathematics and Computer Sciences	3.5%	3.5%	11.1%	12.4%	9.9%	13.1%
Physical and Earth Sciences	-1.6%	0.8%	0.7%	-9.6%	-0.9%	-1.4%
Public Administration and Services	-1.5%	0.4%	1.0%	2.1%	1.8%	-0.5%
Social and Behavioral Sciences	0.7%	1.3%	0.2%	8.2%	4.5%	0.4%
Other Fields	2.9%	1.6%	0.0%	14.7%	5.5%	-1.2%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.9: First-Time Graduate Enrollment by Broad Field and Citizenship, 2009 to 2019

Broad Field	U.S. Citizens and Permanent Residents			Temporary Residents		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	2.2%	3.1%	1.1%	3.8%	0.3%	5.6%
Arts and Humanities	-2.5%	-1.1%	-1.9%	2.6%	1.9%	2.6%
Biological and Agricultural Sciences	0.8%	3.0%	2.8%	5.0%	2.8%	2.2%
Business	0.9%	5.2%	2.2%	8.1%	0.9%	3.9%
Education	-0.5%	0.9%	-1.9%	8.6%	0.1%	2.5%
Engineering	6.8%	3.3%	1.9%	3.3%	-3.6%	4.1%
Health Sciences	4.4%	3.7%	5.3%	8.7%	1.8%	2.9%
Mathematics and Computer Sciences	6.2%	9.3%	8.4%	4.4%	2.5%	16.5%
Physical and Earth Sciences	-4.1%	1.4%	1.0%	0.7%	-0.4%	0.7%
Public Administration and Services	0.5%	0.8%	1.1%	-3.5%	1.7%	0.5%
Social and Behavioral Sciences	2.5%	1.8%	-0.1%	7.6%	3.9%	4.9%
Other Fields	5.0%	2.7%	-0.9%	10.3%	3.7%	5.8%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.10: First-Time Graduate Enrollment by Broad Field and Race/Ethnicity, 2009 to 2019
(U.S. Citizens and Permanent Residents Only)

Broad Field	% Change, '18 – '19	Avg. Annual % Change, '14 – '19	Avg. Annual % Change, '09 – '19	% Change, '18 – '19	Avg. Annual % Change, '14 – '19	Avg. Annual % Change, '09 – '19	% Change, '18 – '19	Avg. Annual % Change, '14 – '19	Avg. Annual % Change, '09 – '19
	American Indian/Alaska Native			Asian/Pacific Islander *			Asian		
Total	3.5%	2.2%	-2.0%	5.1%	7.0%	4.0%	5.3%	7.2%	N/A
Arts & Humanities	14.6%	2.8%	-4.0%	-1.7%	3.5%	0.0%	-1.9%	3.4%	N/A
Bio. & Agric. Sci.	25.0%	7.3%	0.0%	5.9%	5.6%	4.1%	6.6%	5.7%	N/A
Business	1.0%	5.2%	-0.2%	5.1%	7.8%	2.8%	5.1%	7.8%	N/A
Education	12.7%	-0.1%	-3.2%	-3.4%	2.0%	-0.1%	-4.0%	2.0%	N/A
Engineering	19.1%	2.0%	-1.9%	10.1%	5.5%	2.3%	10.3%	5.5%	N/A
Health Sciences	7.7%	-1.0%	0.9%	2.1%	4.7%	7.9%	3.1%	5.3%	N/A
Math & Comp. Sci.	-11.5%	-6.9%	-4.1%	16.2%	22.5%	17.4%	16.5%	23.0%	N/A
Physical & Earth Sci.	53.3%	-1.7%	-2.8%	-4.4%	3.8%	0.8%	-4.1%	4.2%	N/A
Public Admin. & Svcs.	7.7%	0.9%	-1.1%	9.0%	6.7%	1.7%	7.3%	7.0%	N/A
Social & Behav. Sci.	-2.8%	1.3%	-3.5%	2.3%	5.1%	0.5%	2.3%	5.6%	N/A
Other Fields	-17.8%	7.0%	-1.4%	8.2%	4.4%	-0.2%	7.0%	5.1%	N/A
	Native Hawaiians/ Other Pacific Islanders			Black/African American			Hispanic/Latino		
Total	-3.0%	1.2%	N/A	5.5%	5.3%	2.1%	5.7%	9.1%	6.6%
Arts & Humanities	4.0%	8.0%	N/A	8.7%	5.3%	2.3%	-1.7%	3.9%	4.1%
Bio. & Agric. Sci.	-38.5%	-2.4%	N/A	-1.0%	6.5%	5.4%	3.9%	11.6%	14.8%
Business	6.0%	7.5%	N/A	3.3%	9.2%	4.3%	5.1%	10.7%	6.3%
Education	9.7%	0.6%	N/A	1.3%	2.6%	-1.2%	3.6%	6.3%	1.7%
Engineering	-4.0%	4.2%	N/A	4.5%	3.5%	1.5%	10.5%	8.0%	10.0%
Health Sciences	-34.6%	-9.3%	N/A	8.0%	6.2%	6.1%	17.4%	13.3%	16.7%
Math & Comp. Sci.	-22.7%	-3.8%	N/A	2.5%	7.2%	9.8%	4.4%	14.9%	10.7%
Physical & Earth Sci.	-20.0%	-11.1%	N/A	7.0%	9.6%	2.4%	1.7%	10.2%	15.5%
Public Admin. & Svcs.	59.3%	0.0%	N/A	0.6%	1.2%	0.9%	-0.2%	4.3%	8.0%
Social & Behav. Sci.	0.0%	-6.8%	N/A	5.8%	4.0%	1.7%	7.2%	6.5%	3.2%
Other Fields	50.0%	-5.7%	N/A	21.1%	10.7%	4.3%	9.4%	8.5%	6.7%
	White			* Includes Asians and Native Hawaiians/Other Pacific Islanders Notes: See Appendix D for the survey taxonomy. See Appendix A for a description of each race/ethnicity category. Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years. N/A=Not available. Ten-year trend data are unavailable for Asian and Native Hawaiians/Other Pacific Islanders. Source: CGS/GRE Survey of Graduate Enrollment and Degrees					
Total	0.5%	1.5%	0.0%						
Arts & Humanities	-3.9%	-2.5%	-2.8%						
Bio. & Agric. Sci.	-0.5%	1.3%	1.5%						
Business	-0.9%	3.5%	1.3%						
Education	-1.7%	-0.4%	-2.6%						
Engineering	5.4%	2.1%	1.1%						
Health Sciences	2.1%	2.1%	3.9%						
Math & Comp. Sci.	3.6%	5.8%	5.9%						
Physical & Earth Sci.	-5.6%	0.0%	0.1%						
Public Admin. & Svcs.	0.0%	-0.4%	0.1%						
Social & Behav. Sci.	1.0%	0.3%	-0.9%						
Other Fields	1.1%	0.4%	-2.4%						

Table C.11: First-Time Graduate Enrollment by Broad Field and Gender, 2009 to 2019

Broad Field	Men			Women		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	1.4%	0.8%	1.1%	3.2%	3.4%	1.6%
Arts and Humanities	-2.3%	-1.5%	-1.8%	-1.8%	-0.4%	-1.7%
Biological and Agricultural Sciences	-2.0%	0.3%	1.1%	4.7%	5.2%	3.7%
Business	-0.3%	2.2%	1.1%	3.8%	5.9%	3.9%
Education	0.1%	-1.0%	-2.4%	0.5%	1.1%	-1.6%
Engineering	2.2%	-1.9%	1.5%	12.5%	1.9%	5.8%
Health Sciences	1.1%	1.3%	5.0%	4.2%	4.3%	5.0%
Mathematics and Computer Sciences	5.2%	4.0%	10.4%	6.5%	6.8%	14.3%
Physical and Earth Sciences	-2.6%	-0.4%	0.2%	-2.3%	2.4%	1.0%
Public Administration and Services	-1.9%	-0.9%	-0.9%	-0.1%	1.2%	0.9%
Social and Behavioral Sciences	-2.6%	-0.4%	-0.9%	5.2%	3.3%	1.0%
Other Fields	7.7%	1.9%	-0.8%	6.4%	3.5%	-0.2%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.12: Doctorate-Level First-Time Graduate Enrollment by Broad Field and Gender, 2009 to 2019

Broad Field	Total			Men			Women		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	8.2%	3.6%	2.6%	7.2%	1.9%	1.5%	9.1%	5.6%	3.6%
Arts and Humanities	1.2%	-0.9%	-0.8%	3.4%	-1.3%	-1.0%	-0.7%	-0.4%	-0.7%
Biological and Agricultural Sciences	2.5%	2.8%	1.6%	-0.3%	-0.2%	0.7%	4.6%	5.7%	2.4%
Business	1.7%	3.3%	4.6%	-4.7%	0.9%	3.1%	10.4%	6.7%	6.8%
Education	-0.8%	2.1%	0.6%	-3.8%	0.1%	-0.4%	0.5%	3.0%	1.0%
Engineering	4.8%	2.0%	2.0%	1.7%	0.6%	1.1%	12.5%	6.2%	4.7%
Health Sciences	1.1%	3.5%	8.0%	-0.4%	0.1%	6.6%	1.6%	4.9%	8.4%
Mathematics and Computer Sciences	6.5%	4.7%	3.6%	6.7%	4.4%	3.1%	6.0%	5.6%	4.9%
Physical and Earth Sciences	-0.3%	1.4%	1.4%	0.5%	0.7%	1.0%	-1.7%	2.8%	2.1%
Public Administration and Services	-5.1%	3.6%	-0.4%	-4.7%	3.5%	-0.8%	-5.3%	3.7%	-0.1%
Social and Behavioral Sciences	3.2%	-0.2%	-0.3%	-2.0%	-3.1%	-1.7%	6.7%	2.0%	0.8%
Other Fields	6.6%	0.9%	1.1%	4.2%	-0.8%	0.0%	8.7%	2.5%	2.1%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.13: Master's-Level First-Time Graduate Enrollment by Broad Field and Gender, 2009 to 2019

Broad Field	Total			Men			Women		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	1.3%	2.0%	1.3%	0.0%	0.6%	1.1%	2.2%	3.1%	1.4%
Arts and Humanities	-2.9%	-0.9%	-2.0%	-4.1%	-1.6%	-2.1%	-2.0%	-0.4%	-1.9%
Biological and Agricultural Sciences	1.6%	3.0%	3.1%	-3.0%	0.6%	1.3%	4.7%	4.9%	4.5%
Business	1.7%	3.8%	2.2%	0.0%	2.2%	1.1%	3.8%	6.0%	3.8%
Education	0.6%	0.5%	-2.0%	0.9%	-1.2%	-2.7%	0.6%	1.0%	-1.8%
Engineering	5.1%	-1.7%	2.7%	2.4%	-2.6%	1.7%	12.5%	0.9%	6.2%
Health Sciences	4.2%	3.6%	4.5%	1.6%	1.8%	4.6%	4.9%	4.2%	4.4%
Mathematics and Computer Sciences	5.5%	4.9%	14.0%	5.0%	3.9%	12.9%	6.6%	7.0%	16.7%
Physical and Earth Sciences	-5.9%	-0.7%	-0.9%	-8.3%	-2.5%	-1.4%	-3.1%	1.7%	-0.4%
Public Administration and Services	-0.3%	0.7%	0.5%	-1.8%	-1.0%	-0.9%	0.0%	1.2%	1.0%
Social and Behavioral Sciences	1.9%	2.6%	0.4%	-2.8%	0.7%	-0.6%	4.9%	3.8%	1.0%
Other Fields	6.9%	3.0%	-0.6%	8.1%	2.2%	-0.9%	6.2%	3.5%	-0.3%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.14: Total Graduate Enrollment by Institution Type and Carnegie Classification, 2009 to 2019

Carnegie Classification and Institution Type *	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	1.3%	0.9%	0.3%
<i>Public</i>	1.4%	1.5%	0.8%
<i>Private, not-for-profit</i>	1.0%	0.9%	0.7%
<i>Private, for-profit</i>	S	S	S
Doctoral: Very High Research	2.2%	2.3%	1.8%
<i>Public</i>	2.1%	2.2%	1.5%
<i>Private, not-for-profit</i>	2.4%	2.8%	3.0%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral: High Research	-0.4%	-0.5%	-0.4%
<i>Public</i>	0.0%	0.1%	-0.2%
<i>Private, not-for-profit</i>	-1.4%	-1.8%	-0.9%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral/Professional Universities	1.9%	1.0%	0.5%
<i>Public</i>	7.1%	2.0%	1.1%
<i>Private, not-for-profit</i>	-1.1%	0.5%	0.2%
<i>Private, for-profit</i>	S	S	S
Master's Colleges and Universities	-0.7%	0.1%	-0.8%
<i>Public</i>	-1.0%	0.2%	-0.5%
<i>Private, not-for-profit</i>	0.0%	-0.2%	-1.4%
<i>Private, for-profit</i>	N/A	N/A	N/A
Other	2.3%	-6.0%	-5.4%
<i>Public</i>	-4.4%	3.3%	2.0%
<i>Private, not-for-profit</i>	12.1%	1.7%	0.7%
<i>Private, for-profit</i>	N/A	N/A	N/A

* See Appendix A for information about the Carnegie Classification system.

Notes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

N/A = Not available. S = Suppressed due to small number of institutional respondents in this category. Not all respondents provided applications data by level.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.15: Total Graduate Enrollment by Citizenship and Race/Ethnicity, 2009 to 2019

Citizenship and Race/Ethnicity	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	1.3%	0.9%	0.3%
U.S. Citizens and Permanent Residents	1.4%	1.2%	0.1%
<i>American Indian/Alaska Native</i>	1.9%	-1.1%	-3.1%
<i>Asian/Pacific Islander *</i>	4.9%	4.9%	2.7%
<i>Asian</i>	4.9%	5.1%	N/A
<i>Native Hawaiians/Other Pacific Islanders</i>	5.4%	-2.2%	N/A
<i>Black/African American</i>	4.0%	1.8%	0.3%
<i>Hispanic/Latino</i>	5.3%	6.7%	5.8%
<i>White</i>	-0.2%	0.0%	-0.8%
Temporary Residents	1.0%	1.0%	3.4%
Other/Unknown **	-0.2%	-0.5%	-2.8%

** Includes U.S. citizens and permanent residents of two or more races, U.S. citizens and permanent residents whose race/ethnicity is not known, and individuals whose citizenship is not known.

Notes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

N/A=Not available. Ten-year trend data are unavailable for Asian and Native Hawaiians/Other Pacific Islanders.

See Appendix A for a description of each citizenship and race/ethnicity category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.16: Total Graduate Enrollment by Citizenship, Race/Ethnicity, and Gender, 2009 to 2019

Citizenship and Race/Ethnicity	Men			Women		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	0.3%	0.2%	0.3%	2.0%	1.5%	0.3%
U.S. Citizens and Permanent Residents	0.4%	0.5%	-0.1%	2.0%	1.8%	0.1%
<i>American Indian/Alaska Native</i>	3.5%	-2.4%	-3.6%	1.1%	-0.3%	-2.9%
<i>Asian/Pacific Islander *</i>	4.5%	4.4%	2.4%	5.3%	5.4%	2.9%
<i>Asian</i>	4.5%	4.6%	N/A	5.3%	5.7%	N/A
<i>Native Hawaiians/Other Pacific Islanders</i>	4.7%	-2.4%	N/A	5.8%	-2.0%	N/A
<i>Black/African American</i>	3.4%	2.0%	1.0%	4.3%	1.8%	-0.1%
<i>Hispanic/Latino</i>	4.5%	5.7%	5.6%	5.7%	7.3%	5.7%
<i>White</i>	-1.2%	-0.8%	-1.0%	0.5%	0.6%	-0.7%
Temporary Residents	0.2%	0.5%	3.1%	2.1%	1.7%	3.9%
Other/Unknown **	-0.6%	-3.3%	-3.3%	0.0%	-11.8%	-2.5%

** Includes U.S. citizens and permanent residents of two or more races, U.S. citizens and permanent residents whose race/ethnicity is not known, and individuals whose citizenship is not known.

Notes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

N/A=Not available. Ten-year trend data are unavailable for Asian and Native Hawaiians/Other Pacific Islanders.

See Appendix A for a description of each citizenship and race/ethnicity category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.17: Total Graduate Enrollment by Broad Field, 2009 to 2019

Broad Field	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	1.3%	0.9%	0.3%
Arts and Humanities	-1.5%	-2.0%	-2.0%
Biological and Agricultural Sciences	2.1%	1.8%	1.7%
Business	2.6%	3.3%	1.7%
Education	-0.7%	-0.3%	-2.0%
Engineering	2.2%	0.2%	2.2%
Health Sciences	2.4%	3.1%	5.3%
Mathematics and Computer Sciences	6.2%	6.1%	8.7%
Physical and Earth Sciences	-1.9%	-0.1%	0.5%
Public Administration and Services	-2.7%	0.5%	0.5%
Social and Behavioral Sciences	0.1%	-0.3%	-0.1%
Other Fields	4.7%	2.0%	-0.6%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.18: Total Graduate Enrollment by Broad Field and Attendance Status, 2009 to 2019

Broad Field	Full-Time			Part-Time		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	0.4%	0.2%	0.4%	2.6%	2.0%	0.0%
Arts and Humanities	-2.1%	-1.9%	-1.6%	0.0%	-2.0%	-3.0%
Biological and Agricultural Sciences	1.6%	1.5%	1.5%	4.0%	2.8%	1.9%
Business	2.0%	2.2%	1.5%	3.2%	4.7%	1.8%
Education	-3.7%	-1.2%	-2.0%	1.1%	0.4%	-2.1%
Engineering	2.2%	-0.1%	2.5%	2.0%	1.0%	1.5%
Health Sciences	2.2%	3.1%	5.3%	2.6%	3.0%	4.8%
Mathematics and Computer Sciences	3.7%	3.4%	7.8%	10.6%	12.3%	10.4%
Physical and Earth Sciences	-1.6%	0.1%	0.9%	-3.8%	-1.4%	-1.8%
Public Administration and Services	-4.3%	-0.1%	1.2%	0.2%	1.7%	-0.4%
Social and Behavioral Sciences	-0.5%	-0.2%	0.0%	1.6%	-0.6%	-0.5%
Other Fields	1.8%	1.2%	0.0%	8.2%	3.1%	-1.1%

Note: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.19: Total Graduate Enrollment by Broad Field and Citizenship, 2009 to 2019

Broad Field	U.S. Citizens and Permanent Residents			Temporary Residents		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	1.4%	1.2%	0.1%	1.0%	1.0%	3.4%
Arts and Humanities	-2.3%	-2.4%	-2.3%	2.7%	1.5%	1.7%
Biological and Agricultural Sciences	2.0%	2.1%	2.0%	1.6%	0.9%	0.9%
Business	3.1%	4.7%	2.0%	1.7%	-0.2%	2.1%
Education	-1.0%	-0.1%	-2.0%	0.8%	-1.6%	0.5%
Engineering	4.7%	1.9%	1.8%	-0.7%	-1.0%	3.4%
Health Sciences	2.5%	3.2%	5.4%	4.0%	0.9%	1.7%
Mathematics and Computer Sciences	7.2%	8.1%	6.5%	5.0%	4.9%	12.3%
Physical and Earth Sciences	-2.8%	-0.1%	0.6%	0.4%	0.5%	1.2%
Public Administration and Services	-2.1%	0.6%	1.2%	-8.4%	-1.2%	-0.6%
Social and Behavioral Sciences	0.1%	-0.6%	-0.4%	3.4%	2.1%	2.7%
Other Fields	4.1%	1.8%	-1.0%	5.6%	3.3%	4.9%

Note: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.20: Total Graduate Enrollment by Broad Field and Race/Ethnicity, 2009 to 2019
(U.S. Citizens and Permanent Residents Only)

Broad Field	% Change, '18 – '19	Avg. Annual % Change, '14 – '19	Avg. Annual % Change, '09 – '19	% Change, '18 – '19	Avg. Annual % Change, '14 – '19	Avg. Annual % Change, '09 – '19	% Change, '18 – '19	Avg. Annual % Change, '14 – '19	Avg. Annual % Change, '09 – '19
	American Indian/Alaska Native			Asian/Pacific Islander *			Asian		
Total	1.9%	-1.1%	-3.1%	4.9%	4.9%	2.7%	4.9%	5.1%	N/A
Arts & Humanities	7.5%	-3.6%	-4.8%	-0.9%	0.7%	-1.0%	-1.0%	0.7%	N/A
Bio. & Agric. Sci.	11.4%	0.5%	-2.5%	4.9%	4.5%	2.6%	5.1%	4.6%	N/A
Business	6.6%	2.4%	-0.9%	8.0%	6.7%	2.3%	7.8%	6.8%	N/A
Education	1.5%	-3.2%	-4.3%	-0.1%	2.3%	-0.2%	-0.5%	2.4%	N/A
Engineering	-1.6%	-0.2%	-2.2%	5.5%	2.8%	1.6%	5.4%	2.8%	N/A
Health Sciences	1.6%	1.1%	1.1%	4.1%	5.7%	8.5%	4.3%	5.8%	N/A
Math & Comp. Sci.	15.5%	-7.9%	-2.2%	17.6%	21.5%	13.9%	17.5%	21.8%	N/A
Physical & Earth Sci.	6.1%	-3.2%	-4.0%	1.9%	2.5%	1.3%	2.2%	2.6%	N/A
Public Admin. & Svcs.	-2.4%	-1.2%	-2.2%	7.1%	3.2%	0.6%	7.3%	3.6%	N/A
Social & Behav. Sci.	6.8%	-1.2%	-3.5%	0.5%	1.5%	0.4%	0.6%	1.8%	N/A
Other Fields	-7.9%	4.8%	-2.6%	6.9%	2.8%	-0.2%	6.8%	3.0%	N/A
	Native Hawaiians/ Other Pacific Islanders			Black/African American			Hispanic/Latino		
Total	5.4%	-2.2%	N/A	4.0%	1.8%	0.3%	5.3%	6.7%	5.8%
Arts & Humanities	2.4%	-1.8%	N/A	4.6%	1.9%	-0.3%	0.9%	2.3%	2.9%
Bio. & Agric. Sci.	-6.3%	0.0%	N/A	3.4%	4.3%	3.8%	7.9%	10.3%	12.4%
Business	18.7%	3.4%	N/A	4.1%	6.8%	3.7%	8.7%	10.3%	8.9%
Education	7.5%	-0.7%	N/A	1.1%	0.7%	-0.8%	3.4%	4.3%	2.2%
Engineering	12.2%	-1.4%	N/A	7.4%	1.6%	1.3%	9.1%	6.8%	8.9%
Health Sciences	-3.8%	0.6%	N/A	5.1%	5.7%	7.4%	11.4%	12.4%	15.8%
Math & Comp. Sci.	23.0%	2.6%	N/A	4.3%	8.0%	8.3%	8.7%	13.6%	13.9%
Physical & Earth Sci.	-12.1%	-3.4%	N/A	5.1%	2.1%	0.6%	6.5%	9.9%	11.6%
Public Admin. & Svcs.	2.1%	-4.3%	N/A	-2.8%	1.3%	1.3%	-1.6%	4.6%	8.2%
Social & Behav. Sci.	-4.3%	-5.7%	N/A	0.4%	0.7%	0.6%	6.7%	4.0%	5.2%
Other Fields	10.7%	-3.1%	N/A	11.3%	5.7%	3.2%	11.0%	8.9%	7.0%
	White			<div>* Includes Asians and Native Hawaiians/Other Pacific Islanders</div> <div>Notes: See Appendix D for the survey taxonomy.</div> <div>See Appendix A for a description of each race/ethnicity category.</div> <div>Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.</div> <div>N/A=Not available. Ten-year trend data are unavailable for Asian and Native Hawaiians/Other Pacific Islanders.</div> <div>Source: CGS/GRE Survey of Graduate Enrollment and Degrees</div>					
Total	-0.2%	0.0%	-0.8%						
Arts & Humanities	-3.5%	-3.5%	-3.0%						
Bio. & Agric. Sci.	0.6%	0.8%	1.1%						
Business	1.2%	3.3%	1.0%						
Education	-2.4%	-1.0%	-2.7%						
Engineering	3.6%	1.0%	1.2%						
Health Sciences	0.7%	1.6%	4.0%						
Math & Comp. Sci.	4.1%	4.7%	4.1%						
Physical & Earth Sci.	-4.7%	-1.2%	-0.1%						
Public Admin. & Svcs.	-2.5%	-0.5%	0.2%						
Social & Behav. Sci.	-1.4%	-1.8%	-1.4%						
Other Fields	1.6%	0.2%	-2.2%						

Table C.21: Total Graduate Enrollment by Broad Field and Gender, 2009 to 2019

Broad Field	Men			Women		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	0.3%	0.2%	0.3%	2.0%	1.5%	0.3%
Arts and Humanities	-1.5%	-2.2%	-1.9%	-1.5%	-1.8%	-2.0%
Biological and Agricultural Sciences	-0.6%	0.2%	0.9%	4.2%	3.2%	2.4%
Business	1.4%	2.2%	0.8%	4.0%	4.7%	2.8%
Education	-1.6%	-1.4%	-2.4%	-0.4%	0.2%	-1.9%
Engineering	0.0%	-0.6%	1.5%	8.4%	2.8%	4.8%
Health Sciences	0.4%	1.6%	5.2%	3.0%	3.5%	5.2%
Mathematics and Computer Sciences	5.9%	5.5%	7.9%	7.0%	7.5%	10.5%
Physical and Earth Sciences	-2.5%	-0.8%	0.2%	-1.0%	1.2%	0.9%
Public Administration and Services	-4.0%	-1.4%	-1.2%	-2.3%	1.1%	1.1%
Social and Behavioral Sciences	-1.9%	-1.7%	-0.8%	1.4%	0.6%	0.3%
Other Fields	3.9%	1.0%	-0.7%	5.1%	2.7%	-0.5%

Note: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.22: Doctorate-Level Total Graduate Enrollment by Broad Field and Gender, 2009 to 2019

Broad Field	Total			Men			Women		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	2.8%	1.1%	1.5%	1.0%	0.3%	1.0%	4.6%	2.0%	2.0%
Arts and Humanities	-0.8%	-2.0%	-1.4%	-1.1%	-2.0%	-1.4%	-0.6%	-2.0%	-1.4%
Biological and Agricultural Sciences	2.6%	1.4%	1.2%	0.5%	0.1%	0.7%	4.4%	2.7%	1.7%
Business	9.6%	3.8%	3.4%	6.9%	2.3%	2.6%	13.1%	6.1%	4.6%
Education	0.4%	0.6%	0.3%	-1.9%	-0.3%	-0.2%	1.5%	1.1%	0.5%
Engineering	4.3%	2.6%	3.1%	2.7%	1.7%	2.4%	8.8%	5.5%	5.2%
Health Sciences	2.5%	3.7%	7.9%	-1.4%	1.0%	6.5%	4.0%	4.9%	8.5%
Mathematics and Computer Sciences	4.3%	2.4%	2.7%	3.7%	2.2%	2.3%	5.9%	3.0%	4.0%
Physical and Earth Sciences	-0.8%	0.6%	1.3%	-1.5%	-0.1%	1.0%	0.5%	2.1%	2.0%
Public Administration and Services	-4.9%	-1.7%	-1.4%	-2.0%	-3.1%	-2.3%	-6.3%	-0.8%	-0.9%
Social and Behavioral Sciences	-0.4%	-0.9%	-0.3%	-3.1%	-2.3%	-0.9%	1.4%	0.1%	0.2%
Other Fields	2.3%	-0.9%	0.0%	0.6%	-1.7%	-0.8%	3.9%	-0.2%	0.8%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.23: Master's-Level Total Graduate Enrollment by Broad Field and Gender, 2009 to 2019 *

Broad Field	Total			Men			Women		
	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019	% Change, 2018 to 2019	Average Annual % Change, 2014 to 2019	Average Annual % Change, 2009 to 2019
Total	0.7%	0.8%	-0.1%	0.0%	0.2%	0.0%	1.2%	1.3%	-0.1%
Arts and Humanities	-2.0%	-1.9%	-2.4%	-1.8%	-2.3%	-2.4%	-2.1%	-1.6%	-2.4%
Biological and Agricultural Sciences	1.4%	2.2%	2.4%	-2.2%	0.3%	1.1%	4.0%	3.7%	3.4%
Business	2.4%	3.3%	1.6%	1.3%	2.3%	0.8%	3.7%	4.8%	2.8%
Education	-1.0%	-0.4%	-2.5%	-1.4%	-1.7%	-2.9%	-0.8%	0.0%	-2.3%
Engineering	0.5%	-1.3%	1.6%	-2.0%	-2.1%	0.8%	8.1%	1.1%	4.5%
Health Sciences	2.4%	2.8%	4.4%	1.4%	2.0%	4.6%	2.6%	3.0%	4.4%
Mathematics and Computer Sciences	6.9%	7.6%	12.0%	6.7%	6.9%	11.3%	7.3%	9.0%	13.8%
Physical and Earth Sciences	-5.6%	-2.5%	-1.9%	-6.1%	-3.6%	-2.3%	-5.1%	-1.0%	-1.4%
Public Administration and Services	-2.6%	0.6%	0.7%	-4.1%	-1.3%	-1.0%	-2.2%	1.2%	1.2%
Social and Behavioral Sciences	0.5%	0.2%	0.0%	-0.8%	-1.1%	-0.7%	1.4%	1.0%	0.5%
Other Fields	5.1%	2.7%	-0.7%	4.8%	1.7%	-0.7%	5.3%	3.2%	-0.6%

* Includes first-time enrollment in graduate-level certificate and education specialist programs.

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.24: Graduate Degrees and Certificates Awarded by Degree Level and Institution Type, 2008-09 to 2018-19

Degree Level and Institution Type	% Change, '17-18 to '18-19	Average Annual % Change, '13-14 to '18-19	Average Annual % Change, '08-09 to '18-19
Doctoral Degrees	3.8%	2.6%	3.8%
<i>Public</i>	3.7%	2.7%	3.9%
<i>Private, not-for-profit</i>	3.8%	2.7%	3.8%
<i>Private, for-profit</i>	\$	\$	\$
Master's Degrees	0.8%	1.5%	1.5%
<i>Public</i>	0.3%	2.2%	2.4%
<i>Private, not-for-profit</i>	1.8%	1.8%	1.8%
<i>Private, for-profit</i>	\$	\$	\$
Graduate-Level Certificates	19.6%	4.8%	5.2%
<i>Public</i>	24.8%	6.8%	14.3%
<i>Private, not-for-profit</i>	9.5%	0.6%	-1.5%
<i>Private, for-profit</i>	\$	\$	\$

NNotes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

\$ = Suppressed due to small number of institutional respondents in this category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.25: Graduate Degrees and Certificates Awarded by Degree Level and Carnegie Classification, 2008-09 to 2018-19

Degree Level and Carnegie Classification *	% Change, '17-18 to '18-19	Average Annual % Change, '13-14 to '18-19	Average Annual % Change, '08-09 to '18-19
Doctoral Degrees	3.8%	2.6%	3.8%
<i>Doctoral: Very High Research</i>	3.1%	1.7%	2.6%
<i>Doctoral: High Research</i>	7.9%	5.9%	6.8%
<i>Doctoral/Professional Universities</i>	9.2%	3.3%	11.9%
<i>Master's Colleges and Universities</i>	3.9%	10.9%	16.5%
<i>Other</i>	-10.0%	2.5%	2.5%
Master's Degrees	0.8%	1.5%	1.5%
<i>Doctoral: Very High Research</i>	1.8%	3.6%	3.8%
<i>Doctoral: High Research</i>	0.0%	0.3%	1.2%
<i>Doctoral/Professional Universities</i>	3.0%	0.8%	2.3%
<i>Master's Colleges and Universities</i>	-3.1%	0.6%	-0.3%
<i>Other</i>	1.8%	-8.5%	-5.9%
Graduate-Level Certificates	19.6%	4.8%	5.2%
<i>Doctoral: Very High Research</i>	39.1%	11.8%	15.6%
<i>Doctoral: High Research</i>	-2.9%	4.6%	-2.9%
<i>Doctoral/Professional Universities</i>	15.8%	4.5%	24.1%
<i>Master's Colleges and Universities</i>	8.9%	-5.4%	3.9%
<i>Other</i>	15.2%	-1.2%	1.7%

* See Appendix A for information about the Carnegie Classification system.

Note: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.26: Graduate Degrees and Certificates Awarded by Degree Level, Institution Type, and Gender, 2008-09 to 2018-19

Degree Level and Institution Type	Men			Women		
	% Change, '17-18 to '18-19	Average Annual % Change, '13-14 to '18-19	Average Annual % Change, '08-09 to '18-19	% Change, '17-18 to '18-19	Average Annual % Change, '13-14 to '18-19	Average Annual % Change, '08-09 to '18-19
Doctoral Degrees	4.6%	2.2%	3.2%	3.3%	3.1%	4.4%
<i>Public</i>	3.6%	2.0%	3.3%	4.2%	3.3%	4.5%
<i>Private, not-for-profit</i>	6.9%	3.1%	3.4%	1.2%	2.8%	4.2%
<i>Private, for-profit</i>	S	S	S	S	S	S
Master's Degrees	-0.4%	1.4%	1.8%	1.6%	1.6%	1.4%
<i>Public</i>	-1.6%	1.9%	2.6%	1.4%	2.5%	2.2%
<i>Private, not-for-profit</i>	1.9%	1.7%	1.9%	1.7%	1.9%	1.9%
<i>Private, for-profit</i>	S	S	S	S	S	S
Graduate-Level Certificates	31.0%	11.4%	8.2%	13.6%	5.7%	3.8%
<i>Public</i>	39.6%	15.3%	20.7%	16.6%	7.0%	11.3%
<i>Private, not-for-profit</i>	14.7%	3.6%	-0.4%	7.4%	3.7%	-1.8%
<i>Private, for-profit</i>	S	S	S	S	S	S

Notes: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

S = Suppressed due to small number of institutional respondents in this category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.27: Graduate Degrees and Certificates Awarded by Degree Level, Carnegie Classification, and Gender, 2008-09 to 2018-19

Degree Level and Carnegie Classification *	Men			Women		
	% Change, '17-18 to '18-19	Average Annual % Change, '13-14 to '18-19	Average Annual % Change, '08-09 to '18-19	% Change, '17-18 to '18-19	Average Annual % Change, '13-14 to '18-19	Average Annual % Change, '08-09 to '18-19
Doctoral Degrees	4.6%	2.2%	3.2%	3.3%	3.1%	4.4%
<i>Doctoral: Very High Research</i>	3.0%	1.4%	2.3%	3.6%	1.9%	2.9%
<i>Doctoral: High Research</i>	15.2%	5.9%	7.1%	2.7%	6.0%	6.4%
<i>Doctoral/Professional Universities</i>	13.2%	4.5%	12.1%	7.4%	4.3%	11.8%
<i>Master's Colleges and Universities</i>	4.3%	11.3%	19.7%	3.7%	10.8%	15.4%
<i>Other</i>	-14.8%	2.2%	0.5%	-7.1%	2.6%	3.8%
Master's Degrees	-0.4%	1.4%	1.8%	1.6%	1.6%	1.4%
<i>Doctoral: Very High Research</i>	0.9%	2.9%	3.6%	2.5%	4.3%	4.0%
<i>Doctoral: High Research</i>	-1.5%	0.0%	1.1%	1.1%	0.6%	1.0%
<i>Doctoral/Professional Universities</i>	1.5%	0.2%	1.9%	3.7%	0.9%	2.4%
<i>Master's Colleges and Universities</i>	-5.5%	0.9%	0.0%	-2.2%	0.4%	-0.5%
<i>Other</i>	-2.3%	-8.9%	-6.3%	3.8%	-8.3%	-6.0%
Graduate-Level Certificates	31.0%	11.4%	8.2%	13.6%	5.7%	3.8%
<i>Doctoral: Very High Research</i>	54.2%	23.7%	18.1%	29.2%	15.4%	14.6%
<i>Doctoral: High Research</i>	6.3%	10.3%	0.3%	-8.5%	2.0%	-4.3%
<i>Doctoral/Professional Universities</i>	12.0%	12.0%	25.1%	17.1%	16.7%	23.8%
<i>Master's Colleges and Universities</i>	17.7%	-5.5%	2.5%	6.5%	-5.8%	4.3%
<i>Other</i>	16.9%	-0.1%	1.5%	14.4%	-1.7%	1.9%

* See Appendix A for information about the Carnegie Classification system.

Note: Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.28: Graduate-Level Certificates Awarded by Broad Field and Gender, 2008-09 to 2018-19

Broad Field	Total			Men			Women		
	% Change, '17/18 - '18/19	Average Annual % Change, '13/14 - '18/19	Average Annual % Change, '08/09 - '18/19	% Change, '17/18 - '18/19	Average Annual % Change, '13/14 - '18/19	Average Annual % Change, '08/09 - '18/19	% Change, '17/18 - '18/19	Average Annual % Change, '13/14 - '18/19	Average Annual % Change, '08/09 - '18/19
Total	19.6%	4.8%	5.2%	31.0%	11.4%	8.2%	13.6%	5.7%	3.8%
Arts and Humanities	35.6%	-2.4%	6.9%	76.8%	4.5%	9.0%	15.2%	-1.6%	5.2%
Biological and Agricultural Sciences	23.5%	-0.3%	25.1%	30.0%	3.8%	24.5%	18.0%	0.1%	25.6%
Business	5.7%	15.3%	25.3%	11.2%	32.4%	28.1%	6.6%	26.7%	22.5%
Education	-6.9%	4.7%	4.9%	-7.8%	4.0%	3.2%	-7.1%	6.9%	6.0%
Engineering	-14.9%	4.0%	5.9%	-11.8%	12.7%	5.9%	-18.8%	9.1%	9.8%
Health Sciences	-1.2%	4.0%	23.2%	6.1%	3.3%	22.1%	-4.7%	6.3%	23.5%
Mathematics and Computer Sciences	5.9%	14.3%	24.4%	2.7%	14.6%	23.6%	11.7%	19.0%	27.3%
Physical and Earth Sciences	9.9%	3.5%	20.7%	16.3%	6.7%	17.5%	2.3%	31.1%	25.2%
Public Administration and Services	13.2%	0.8%	7.0%	38.9%	8.7%	12.7%	6.1%	0.0%	4.9%
Social and Behavioral Sciences	17.6%	4.5%	12.6%	36.2%	3.5%	14.1%	8.0%	4.2%	11.3%
Other Fields	20.5%	10.4%	19.6%	30.2%	9.9%	17.7%	15.1%	13.3%	20.8%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.29: Master's Degrees Awarded by Broad Field and Gender, 2008-09 to 2018-19

Broad Field	Total			Men			Women		
	% Change, '17/18 - '18/19	Average Annual % Change, '13/14 - '18/19	Average Annual % Change, '08/09 - '18/19	% Change, '17/18 - '18/19	Average Annual % Change, '13/14 - '18/19	Average Annual % Change, '08/09 - '18/19	% Change, '17/18 - '18/19	Average Annual % Change, '13/14 - '18/19	Average Annual % Change, '08/09 - '18/19
Total	0.8%	1.5%	1.5%	-0.4%	1.4%	1.8%	1.6%	1.6%	1.4%
Arts and Humanities	-5.0%	-2.7%	-1.7%	-3.8%	-3.1%	-1.7%	-6.1%	-2.6%	-1.8%
Biological and Agricultural Sciences	3.7%	3.1%	5.2%	3.1%	1.7%	4.3%	4.2%	4.1%	6.0%
Business	2.3%	1.8%	2.2%	1.9%	1.0%	1.1%	4.0%	2.9%	4.2%
Education	-1.1%	-1.0%	-2.0%	0.7%	-2.2%	-1.9%	-2.0%	-0.6%	-1.9%
Engineering	-1.3%	2.9%	4.6%	-3.4%	2.2%	3.9%	4.8%	5.2%	7.0%
Health Sciences	3.9%	4.4%	7.4%	3.9%	4.1%	8.7%	3.9%	4.5%	7.1%
Mathematics and Computer Sciences	-0.8%	13.4%	11.2%	-1.3%	12.1%	10.1%	-0.5%	16.5%	13.6%
Physical and Earth Sciences	-6.9%	-1.3%	1.1%	-8.1%	-1.7%	1.3%	-5.3%	-0.8%	0.9%
Public Administration and Services	3.8%	1.8%	2.6%	0.4%	-1.3%	0.7%	4.7%	2.7%	3.1%
Social and Behavioral Sciences	0.9%	-0.2%	1.5%	-3.4%	-1.6%	0.9%	4.0%	0.7%	2.1%
Other Fields	6.5%	1.9%	1.3%	8.7%	1.8%	1.4%	5.3%	2.1%	1.3%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.30: Doctoral Degrees Awarded by Broad Field and Gender, 2008-09 to 2018-19

Broad Field	Total			Men			Women		
	% Change, '17/18 - '18/19	Average Annual % Change, '13/14 - '18/19	Average Annual % Change, '08/09 - '18/19	% Change, '17/18 - '18/19	Average Annual % Change, '13/14 - '18/19	Average Annual % Change, '08/09 - '18/19	% Change, '17/18 - '18/19	Average Annual % Change, '13/14 - '18/19	Average Annual % Change, '08/09 - '18/19
Total	3.8%	2.6%	3.8%	4.6%	2.2%	3.2%	3.3%	3.1%	4.4%
Arts and Humanities	2.8%	-0.7%	1.0%	5.3%	-0.9%	1.3%	0.9%	-0.5%	0.8%
Biological and Agricultural Sciences	0.4%	0.7%	1.4%	3.2%	0.9%	1.4%	-1.2%	0.4%	1.3%
Business	19.1%	7.2%	5.0%	11.1%	5.4%	3.1%	33.2%	11.1%	8.3%
Education	-2.7%	0.6%	1.2%	1.5%	1.3%	1.1%	-4.2%	0.3%	1.3%
Engineering	4.8%	2.4%	3.8%	4.4%	1.8%	3.2%	6.2%	4.3%	6.2%
Health Sciences	-0.4%	5.6%	10.8%	-0.6%	5.7%	10.9%	-0.3%	5.4%	10.8%
Mathematics and Computer Sciences	3.1%	0.2%	3.1%	0.7%	0.2%	3.1%	9.6%	0.2%	3.1%
Physical and Earth Sciences	-0.7%	1.1%	1.8%	-0.7%	0.7%	1.6%	-0.9%	1.9%	2.2%
Public Administration and Services	4.4%	-0.2%	0.6%	-7.8%	-4.3%	-2.3%	10.7%	1.8%	2.4%
Social and Behavioral Sciences	-1.4%	0.1%	1.1%	2.1%	0.8%	0.8%	-3.6%	-0.4%	1.3%
Other Fields	-0.4%	0.0%	2.9%	-1.1%	-0.1%	2.3%	-0.2%	0.2%	3.5%

Notes: See Appendix D for the survey taxonomy.

Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

APPENDIX D

Taxonomy of Fields of Study

ARTS AND HUMANITIES

Arts – History, Theory, and Criticism, Art History, Criticism, and Conservation

Ethnomusicology
Music History, Literature, and Theory
Musicology
Theatre Literature, History and Criticism
Arts – History, Theory, and Criticism, Other

Arts – Performance and Studio

Arts, Entertainment, and Media Management
Crafts/Craft Design
Dance
Design and Applied Arts
Drama/Theatre Arts
Film/Video and Photographic Arts
Fine and Studio Arts
Music
Arts – Performance and Studio, Other

English Language and Literature

American Literature
English Language and Literature
English Literature
Rhetoric and Composition/
Writing Studies
English Language and Literatures, Other

Foreign Languages and Literatures

African Languages and Literatures

American Sign Language
Asiatic Languages and Literatures
Celtic Languages and Literatures
Classics and Classical Languages and Literatures
Germanic Languages and Literatures
Iranian/Persian Languages and Literatures
Modern Greek Language and Literature
Romance Languages and Literatures
Slavic, Baltic, and Albanian Languages and Literatures
Foreign Languages and Literatures, Other

History

American History
European History
History and Philosophy of Science and Technology
History, General
History, Other

Philosophy

Ethics
Logic
Philosophy
Philosophy, Other

Arts and Humanities, Other

Linguistic, Comparative, and Related Language Studies and Services
Humanities/Humanistic Studies
Liberal Arts and Sciences/
Liberal Arts
Arts and Humanities, Other

BIOLOGICAL AND AGRICULTURAL SCIENCES

Agriculture, Natural Resources, and Conservation

Agricultural and Domestic Animal Services
Agricultural and Food Products Processing
Agricultural Business and Management
Agricultural Economics
Agricultural Mechanization
Agricultural Production
Agricultural Public Services
Agriculture, General
Agronomy
Animal Sciences
Applied Horticulture
Fishing and Fisheries Sciences and Management
Food Science and Technology
Forestry
Horticultural Business Services
International Agriculture
Natural Resources and Conservation
Natural Resources Management and Policy
Parks, Recreation, and Leisure Facilities Management
Parks, Recreation, and Leisure Studies
Plant Sciences
Soil Sciences
Wildlife and Wildlands Science and Management
Agriculture, Natural Resources, and Conservation, Other

Biological and Biomedical Sciences

Anatomical Sciences
Animal Biology
Bacteriology
Biochemistry
Bioinformatics
Biology, General
Biomathematics
Biometry
Biophysics
Biotechnology
Botany/Plant Biology
Cell/Cellular Biology
Computational Biology
Developmental Biology
Ecology
Entomology
Epidemiology
Evolution
Genetics
Immunology
Microbiological Sciences
Molecular Biology
Molecular Medicine
Neurosciences
Parasitology
Pathology
Pharmacology
Physiology
Population Biology
Systematics
Toxicology
Zoology
Biological and Biomedical Sciences, Other

BUSINESS

Accounting

Accounting
Auditing
Taxation

Banking and Finance

Banking and Financial
Support Services
Credit Management
Financial Planning and Services
International Finance
Investments and Securities
Public Finance

Business Administration and Management

Business Administration and
Management
Business Operations
Business/Commerce, General
Construction Management
E-Commerce
Entrepreneurship
Hospitality Administration/
Management
Human Resources Development
Human Resources Management
Labor and Industrial Relations
Logistics and Supply Chain
Management
Operations Management
Organizational Leadership
Organizational Management
Project Management
Small Business Operations
Sport and Fitness
Administration/Management
Telecommunications
Management
Business Administration and
Management, Other

Business, Other

Business Statistics
Business/Corporate
Communications
Business/Managerial Economics
Insurance
International Business
Management Information
Systems
Management Science
Marketing
Marketing Management
Merchandising

Real Estate
Sales
Business Fields, Other

EDUCATION

Education Administration

Educational Administration
Educational Leadership
Educational Supervision

Curriculum and Instruction

Curriculum and Instruction

Early Childhood Education

Early Childhood Education
and Teaching
Kindergarten/Preschool
Education and Teaching

Elementary Education

Elementary Education
and Teaching
Elementary-Level Teaching
Fields

Educational Assessment,

Evaluation, and Research
Educational Assessment,
Testing, and Measurement
Educational Evaluation and
Research
Educational Psychology
Educational Statistics and
Research Methods
Learning Sciences
School Psychology

Higher Education

Higher Education
Higher Education
Administration

Secondary Education

Secondary Education
and Teaching
Secondary-Level Teaching Fields

Special Education

Education/Teaching of Students
w/ Specific Disabilities
Education/Teaching of Students
w/ Specific Learning
Disabilities
Education/Teaching of the
Gifted and Talented
Special Education and Teaching
Other Special Education Fields

Student Counseling and Personnel Services

College Student Counseling and
Personnel Services
Counselor Education
School Counseling and
Guidance Services
Student Counseling and
Personnel Services, Other

Education, Other

Adult and Continuing Education
Bilingual, Multilingual, and
Multicultural Education
Education, General
Educational/Instructional
Media Design
Health and Physical Education
International and Comparative
Education
Junior High/Middle School
Education and Teaching
Outdoor Education
Social and Philosophical
Foundations of Education
Teaching English as a Second or
Foreign Language
Other Education Fields

ENGINEERING

Chemical Engineering

Chemical and Biomolecular
Engineering
Chemical Engineering

Civil Engineering

Architectural Engineering
Civil Engineering

Construction Engineering
Environmental/Environmental
Health Engineering
Geotechnical and
Geoenvironmental Engineering
Structural Engineering
Surveying Engineering
Transportation and Highway
Engineering
Water Resources Engineering

Computer, Electrical, and Electronics Engineering

Computer Engineering
Computer Hardware
Engineering
Computer Software Engineering
Electrical Engineering
Electronics Engineering
Laser and Optical Engineering
Telecommunications
Engineering

Industrial Engineering

Industrial Engineering
Manufacturing Engineering
Operations Research

Materials Engineering

Ceramic Sciences and
Engineering
Materials Engineering
Materials Science
Metallurgical Engineering
Polymer/Plastics Engineering

Mechanical Engineering

Engineering Mechanics
Mechanical Engineering

Engineering, Other

Aeronautical Engineering
Aerospace Engineering
Agricultural Engineering
Biochemical Engineering
Biomedical/Medical Engineering
Electromechanical Engineering
Engineering Chemistry
Engineering Physics
Engineering Science
Forest Engineering

Geological/Geophysical
Engineering
Mining and Mineral Engineering
Naval Architecture and Marine
Engineering
Nuclear Engineering
Ocean Engineering
Paper Science and Engineering
Petroleum Engineering
Systems Engineering
Textile Sciences and Engineering
Engineering, Other

HEALTH AND MEDICAL SCIENCES

Allied Health
Alternative and Complementary
Medicine
Audiology
Bioethics/Medical Ethics
Chiropractic (excluding D.C.
and D.C.M.)
Clinical/Medical Laboratory
Science/Research
Communication Disorders
Sciences and Services
Dentistry and Oral Sciences
(excluding D.D.S. and D.M.D.)
Dietetics and Clinical Nutrition
Services
Environmental Health
Exercise Science
Health and Medical
Administrative Services
Health Sciences
Health/Medical Preparatory
Programs
Kinesiology
Medical Sciences
(excluding M.D.)
Mental and Social Health
Services
Nursing
Nutrition Sciences
Occupational Therapy
Optometry (excluding O.D.)
Osteopathic Medicine
(excluding D.O.)
Pharmaceutical Sciences
(excluding Pharm.D.)

Physical Therapy
 Physician Assistant
 Podiatry (excluding D.P.M., D.P.
 and Pod.D.)
 Public Health
 Rehabilitation and Therapy
 Speech-Language Pathology
 Veterinary Biomedical and
 Clinical Science
 Veterinary Medicine (excluding
 D.V.M.)
 Health and Medical Sciences,
 Other

MATHEMATICS AND COMPUTER SCIENCES

Mathematical Sciences

Actuarial Science
 Applied Mathematics
 Mathematics
 Probability
 Statistics
 Mathematical Sciences, Other

Computer and Information Sciences

Computer and Information
 Sciences, General
 Computer Programming
 Computer Science
 Computer Software and Media
 Applications
 Computer Systems Analysis
 Computer Systems Networking
 and Telecommunications
 Computer/Information
 Technology Administration
 and Management
 Data Processing
 Information Sciences/Studies
 Microcomputer Applications
 Computer and Information
 Sciences, Other

PHYSICAL AND EARTH SCIENCES

Chemistry

Analytical Chemistry
 Chemical Plastics

Chemistry, General
 Environmental Chemistry
 Forensic Chemistry
 Inorganic Chemistry
 Medicinal and Pharmaceutical
 Chemistry
 Organic Chemistry
 Physical Chemistry
 Polymer Chemistry
 Theoretical Chemistry
 Chemistry, Other

Earth, Atmospheric, and Marine Sciences

Aquatic Biology/Limnology
 Atmospheric Sciences
 Biological Oceanography
 Earth Sciences
 Geochemistry
 Geological Sciences
 Geophysics and Seismology
 Geosciences
 Hydrology
 Marine Biology
 Marine Sciences
 Meteorology
 Oceanography
 Paleontology
 Earth, Atmospheric, and Marine
 Sciences, Other

Physics and Astronomy

Acoustics
 Astronomy
 Astrophysics
 Atomic/Molecular Physics
 Condensed Matter and Materials
 Physics
 Elementary Particle Physics
 Nuclear Physics
 Optics/Optical Sciences
 Physics
 Planetary Astronomy and
 Science
 Plasma and High-Temperature
 Physics
 Solid State Physics
 Theoretical and Mathematical
 Physics
 Physics and Astronomy, Other

Natural Sciences, Other

Natural Sciences, General
 Physical Sciences, General
 Science Technologies
 Natural Sciences, Other

PUBLIC ADMINISTRATION AND SERVICES

Public Administration

Community Organization
 and Advocacy
 Public Administration

Social Work

Social Work
 Youth Services/Administration
 Social Work, Other

SOCIAL AND BEHAVIORAL SCIENCES

Anthropology and Archaeology

Anthropology
 Archaeology

Economics

Applied Economics
 Econometrics
 Economics
 International Economics

Political Science

International Relations
 Political Science and
 Government
 Public Policy Analysis

Psychology

Applied Psychology
 Clinical Psychology
 Cognitive Psychology
 Community Psychology
 Comparative Psychology
 Counseling Psychology
 Developmental and Child
 Psychology
 Experimental Psychology
 Forensic Psychology

Industrial and Organizational
Psychology
Personality Psychology
Physiological Psychology
Psycholinguistics
Psychology, General
Psychometrics
Psychopharmacology
Quantitative Psychology
Research and Experimental
Psychology
Social Psychology
Psychology, Other

Sociology

Demography
Rural Sociology
Sociology

Social Sciences, Other

Adult Development and Aging
Area, Ethnic, Cultural, Gender,
and Group Studies
Criminal Justice/Criminology
Geography and Cartography
Gerontology
Social Sciences, General
Urban Studies/Affairs
Social Sciences, Other

OTHER FIELDS

Architecture and Environmental Design

Architectural History
and Criticism
Architectural Sciences and
Technology
Architecture
City/Urban, Community and
Regional Planning
Environmental Design
Interior Architecture
Landscape Architecture
Real Estate Development
Architecture and Environmental
Design, Other

Communications and Journalism

Advertising
Communication and Media
Studies
Communications Technologies
Journalism
Mass Communication
Public Relations
Publishing
Radio, Television, and Digital
Communication
Speech Communication
Communications and
Journalism, Other

Family and Consumer Sciences

Apparel and Textiles
Family and Consumer
Economics
Family and Consumer Sciences
Family Studies
Foods, Nutrition, and Wellness
Studies
Housing and Human
Environments
Human Development
Human Sciences
Work and Family Studies
Family and Consumer Sciences,
Other

Library and Archival Sciences

Archives/Archival
Administration
Library and Information Science
Library and Archival Sciences,
Other

Religion and Theology

Philosophy and Religious
Studies, General
Religion/Religious Studies
Theology and Religious
Vocations (excluding M.Div.,
M.H.L., B.D., and Ordination)
Religion and Theology, Other

Other Fields

Fire Protection
Homeland Security
Interdisciplinary Studies
Legal Research and Professional
Studies (excluding L.L.B.
and J.D.)
Military Technologies
Multidisciplinary Studies
Other Fields Not Previously
Classified

APPENDIX E

List of Institutions Participating in the Fall 2019 Survey

Abilene Christian University	Boise State University
Adelphi University	Boston College
Air Force Institute of Technology-Graduate School of Engineering & Management	Boston University
Alabama State University	Bowie State University
Albert Einstein College of Medicine	Bradley University
Albertus Magnus College	Brandeis University
Alcorn State University	Brenau University
Alfred University	Brigham Young University-Provo
Anderson University	Brown University
Andrews University	Bryant University
Angelo State University	Bryn Mawr College
Antioch University – New England	Bucknell University
Appalachian State University	Caldwell University
Aquinas College	California Institute of Integral Studies
Arcadia University	California Institute of Technology
Arizona State University – Tempe	California Lutheran University
Arkansas Tech University	California Polytechnic State University – San Luis Obispo
Auburn University	California State Polytechnic University – Pomona
Auburn University at Montgomery	California State University – Bakersfield
Augusta University	California State University – Chico
Aurora University	California State University – Dominguez Hills
Austin Peay State University	California State University – East Bay
Baker University	California State University – Fresno
Ball State University	California State University – Fullerton
Barry University	California State University – Los Angeles
Baylor College of Dentistry – Texas A&M Univ HSC	California State University – Sacramento
Baylor College of Medicine	California State University – San Marcos
Baylor University	California State University – Stanislaus
Bemidji State University	California University of Pennsylvania
Benedictine University	Cameron University
Berry College	Carlow University
Bethel University	Carson-Newman University
Binghamton University	Case Western Reserve University

Central Connecticut State University
 Central Michigan University
 Central Washington University
 Champlain College
 Chapman University
 Charleston Southern University
 Chatham University
 Christopher Newport University
 Citadel Military College of South Carolina
 Claremont Graduate University
 Clark Atlanta University
 Clarke University
 Clemson University
 Cleveland State University
 College of Charleston
 College of Staten Island CUNY
 Colorado School of Mines
 Colorado State University – Fort Collins
 Columbia College
 Columbia College Chicago
 Columbia University in the City of New York
 Columbus State University
 Concordia University – Chicago
 Cornell University
 Creighton University
 CUNY Brooklyn College
 CUNY City College
 CUNY Graduate School and University Center
 CUNY Hunter College
 Dartmouth College
 Delta State University
 DePaul University
 Dominican University
 Drake University
 Drew University
 Duke University
 Duquesne University
 D'Youville College
 East Carolina University
 East Central University

East Stroudsburg University of Pennsylvania
 East Tennessee State University
 Eastern Michigan University
 Eastern Washington University
 Elon University
 Embry-Riddle Aeronautical University –
 Daytona Beach
 Emerson College
 Emory University
 Emporia State University
 Fairleigh Dickinson University –
 Metropolitan Campus
 Fayetteville State University
 Ferris State University
 Fielding Graduate University
 Fielding Graduate University
 Fitchburg State University
 Florida Atlantic University
 Florida Institute of Technology
 Florida International University
 Florida State University
 Fordham University
 Fort Hays State University
 Frostburg State University
 Furman University
 Gallaudet University
 Gardner-Webb University
 Geneva College
 George Mason University
 George Washington University
 Georgetown University
 Georgia College & State University
 Georgia Institute of Technology – Main Campus
 Georgia Southern University
 Georgia Southwestern State University
 Georgia State University
 Gonzaga University
 Governors State University
 Grambling State University
 Grand Valley State University
 Hampton University

Harding University
 Hardin-Simmons University
 Harvard University
 High Point University
 Hofstra University
 Holy Family University
 Howard University
 Humboldt State University
 Illinois Institute of Technology
 Illinois State University
 Immaculata University
 Indiana State University
 Indiana University of Pennsylvania –
 Main Campus
 Indiana University-Bloomington
 Indiana University-Purdue University –
 Indianapolis
 Inter American University of Puerto Rico – Metro
 Iona College
 Iowa State University
 Ithaca College
 Jackson State University
 James Madison University
 John Brown University
 John Carroll University
 Johns Hopkins University
 Kansas State University
 Kean University
 Keck Graduate Institute
 Keene State College
 Kennesaw State University
 Kent State University at Kent
 Kettering University
 Kutztown University of Pennsylvania
 La Sierra University
 Lamar University
 Lehigh University
 Lewis University
 Lincoln Memorial University
 Lipscomb University

Lock Haven University
 Longwood University
 Louisiana State University and Agricultural &
 Mechanical College
 Louisiana State University Health Sciences Center
 – New Orleans
 Louisiana Tech University
 Loyola University Chicago
 Loyola University Maryland
 Loyola University New Orleans
 Madonna University
 Marquette University
 Marshall University
 Marymount University
 Marywood University
 Massachusetts Institute of Technology
 Mayo Clinic College of Medicine and Science
 McDaniel College
 McNeese State University
 Medical College of Wisconsin
 Medical University of South Carolina
 Meharry Medical College
 Mercy College
 Meredith College
 Merrimack College
 Metropolitan State University
 Metropolitan State University of Denver
 Miami University – Oxford
 Michigan State University
 Michigan Technological University
 MidAmerica Nazarene University
 Middlebury College
 Millersville University of Pennsylvania
 Minnesota State University Moorhead
 Misericordia University
 Mississippi State University
 Missouri State University – Springfield
 Missouri Western State University
 Molloy College
 Monmouth University

Montana State University	Pace University
Montana Technological University	Pacific Lutheran University
Montclair State University	Pennsylvania State University – Main Campus
Morgan State University	Piedmont College
Mount Saint Joseph University	Pittsburg State University
Mount Saint Mary's University	Plymouth State University
National University	Polytechnic Institute of New York University
Nazareth College	Portland State University
New Jersey City University	Prairie View A & M University
New Jersey Institute of Technology	Princeton University
New Mexico Highlands University	Providence College
New Mexico Institute of Mining and Technology	Purdue University Fort Wayne
New Mexico State University – Main Campus	Purdue University – Main Campus
New York Institute of Technology	Quinnipiac University
New York Medical College	Radford University
New York University	Regent University
Newman University	Rensselaer at Hartford
Nicholls State University	Rensselaer Polytechnic Institute
North Carolina A & T State University	Rhode Island College
North Carolina State University at Raleigh	Rhode Island School of Design
North Central College	Rice University
North Dakota State University – Main Campus	Rider University
North Georgia College and State University	Rivier University
Northeastern Illinois University	Rochester Institute of Technology
Northeastern State University	Rockefeller University
Northeastern University	Rockhurst University
Northern Arizona University	Rosalind Franklin University of Medicine and Science
Northern Kentucky University	Rose-Hulman Institute of Technology
Northern State University	Russell Sage College
Northwest Missouri State University	Rutgers Graduate School of Biomedical Sciences
Northwestern State University of Louisiana	Rutgers University – Camden
Northwestern University	Sacred Heart Seminary and School of Theology
Notre Dame de Namur University	Sacred Heart University
Nova Southeastern University	Saint Ambrose University
Oakland University	Saint John Fisher College
Ohio State University – Main Campus	Saint Mary's University of Minnesota
Ohio University – Main Campus	Salem State University
Oklahoma State University – Main Campus	Salisbury University
Old Dominion University	Salve Regina University
Our Lady of the Lake University	

San Diego State University
 San Francisco State University
 San Jose State University
 Santa Clara University
 Savannah College of Art and Design
 Seattle Pacific University
 Seattle University
 Seton Hall University
 Shenandoah University
 Shippensburg University of Pennsylvania
 Siena Heights University
 Simmons University
 Slippery Rock University of Pennsylvania
 South Carolina State University
 South Dakota School of Mines and Technology
 South Dakota State University
 Southeast Missouri State University
 Southeastern Louisiana University
 Southern Arkansas University Main Campus
 Southern Illinois University – Carbondale
 Southern Illinois University – Edwardsville
 Southern Methodist University
 Southern Utah University
 Spalding University
 Springfield College
 St Bonaventure University
 St Catherine University
 St John’s University – New York
 St. Mary’s University
 Stanford University
 State University of New York at New Paltz
 Stephen F Austin State University
 Stetson University
 Stevens Institute of Technology
 Stockton University
 Stony Brook University
 Suffolk University
 SUNY at Albany
 SUNY at Fredonia
 SUNY College at Brockport

SUNY College at Oswego
 SUNY College of Environmental Science and Forestry
 SUNY Cortland
 SUNY Polytechnic Institute
 Syracuse University
 Tarleton State University
 Teachers College at Columbia University
 Temple University
 Tennessee State University
 Tennessee Technological University
 Texas A & M International University
 Texas A & M University – College Station
 Texas A & M University – Commerce
 Texas A & M University – Corpus Christi
 Texas A & M University – Kingsville
 Texas A&M University – Central Texas
 Texas A&M University – Texarkana
 Texas Christian University
 Texas Southern University
 Texas State University
 Texas Tech University
 Texas Woman’s University
 The Catholic University of America
 The Chicago School of Professional Psychology at Chicago
 The College of Saint Rose
 The New School
 The University of Alabama
 The University of Montana
 The University of Tennessee Health Science Center
 The University of Tennessee – Chattanooga
 The University of Tennessee – Knoxville
 The University of Tennessee – Martin
 The University of Texas at Arlington
 The University of Texas at Austin
 The University of Texas at Dallas
 The University of Texas at El Paso
 The University of Texas at San Antonio
 The University of Texas at Tyler

The University of Texas Health Science Center
 at Houston
 The University of Texas Health Science Center
 at San Antonio
 The University of Texas Medical Branch
 at Galveston
 The University of Texas of the Permian Basin
 The University of Texas Rio Grande Valley
 The University of West Florida
 Thomas Edison State University
 Towson University
 Trevecca Nazarene University
 Troy University
 Truman State University
 Tufts University
 Tulane University of Louisiana
 United States Sports Academy
 University at Buffalo
 University of Akron Main Campus
 University of Alabama at Birmingham
 University of Alabama in Huntsville
 University of Arizona
 University of Arkansas
 University of Arkansas at Monticello
 University of Arkansas for Medical Sciences
 University of California – Berkeley
 University of California – Davis
 University of California – Irvine
 University of California – Los Angeles
 University of California – Merced
 University of California – San Diego
 University of California – San Francisco
 University of California – Santa Barbara
 University of Central Arkansas
 University of Central Florida
 University of Central Missouri
 University of Central Oklahoma
 University of Chicago
 University of Colorado Boulder
 University of Colorado Colorado Springs

University of Colorado Denver/
 Anschutz Medical Campus
 University of Connecticut
 University of Dayton
 University of Delaware
 University of Denver
 University of Florida
 University of Georgia
 University of Hartford
 University of Hawaii at Manoa
 University of Houston
 University of Houston – Clear Lake
 University of Idaho
 University of Illinois at Chicago
 University of Illinois at Springfield
 University of Illinois at Urbana – Champaign
 University of Indianapolis
 University of Iowa
 University of Kansas
 University of Kentucky
 University of Louisiana at Lafayette
 University of Louisiana at Monroe
 University of Louisville
 University of Maine
 University of Mary Hardin – Baylor
 University of Maryland Eastern Shore
 University of Maryland – Baltimore
 University of Maryland – Baltimore County
 University of Maryland – College Park
 University of Massachusetts Medical School
 Worcester
 University of Massachusetts – Amherst
 University of Massachusetts – Boston
 University of Massachusetts – Dartmouth
 University of Memphis
 University of Miami
 University of Michigan – Ann Arbor
 University of Michigan – Flint
 University of Minnesota – Twin Cities
 University of Mississippi
 University of Mississippi Medical Center

University of Missouri – Columbia	University of South Alabama
University of Missouri – Kansas City	University of South Carolina – Columbia
University of Missouri – St Louis	University of South Dakota
University of Montevallo	University of South Florida – Main Campus
University of Nebraska at Kearney	University of Southern Maine
University of Nebraska at Omaha	University of Southern Mississippi
University of Nebraska Medical Center	University of St Thomas
University of Nebraska – Lincoln	University of Texas Southwestern Medical Center
University of Nevada – Las Vegas	University of the District of Columbia
University of Nevada – Reno	University of the Incarnate Word
University of New England	University of Toledo
University of New Hampshire – Main Campus	University of Tulsa
University of New Haven	University of Utah
University of New Mexico – Main Campus	University of Vermont
University of New Orleans	University of Virginia – Main Campus
University of North Alabama	University of Washington – Seattle Campus
University of North Carolina at Asheville	University of West Alabama
University of North Carolina at Chapel Hill	University of West Georgia
University of North Carolina at Charlotte	University of Wisconsin – Eau Claire
University of North Carolina at Greensboro	University of Wisconsin – La Crosse
University of North Carolina at Pembroke	University of Wisconsin – Madison
University of North Carolina Wilmington	University of Wisconsin – Milwaukee
University of North Dakota	University of Wisconsin – Platteville
University of North Florida	University of Wisconsin – River Falls
University of North Texas	University of Wisconsin – Stevens Point
University of Northern Colorado	University of Wisconsin – Superior
University of Northern Iowa	University of Wyoming
University of Notre Dame	Upstate Medical University
University of Oklahoma – Health Sciences Center	Valdosta State University
University of Oklahoma – Norman Campus	Valparaiso University
University of Oregon	Vanderbilt University
University of Pennsylvania	Virginia Commonwealth University
University of Phoenix – Sperling Center	Virginia Polytechnic Institute and State University
University of Pittsburgh – Pittsburgh Campus	Wagner College
University of Rhode Island	Wake Forest University
University of Rochester	Wake Forest University
University of Saint Francis – Fort Wayne	Walsh University
University of San Diego	Washington State University
University of San Francisco	Washington University in St Louis
University of Scranton	Watson School of Biological Sciences

Wayland Baptist University
Wayne State College
Wayne State University
West Chester University of Pennsylvania
West Virginia University
Western Carolina University
Western Connecticut State University
Western Illinois University
Western Kentucky University
Western Michigan University
Western Oregon University
Western Washington University
Westfield State University
Wheaton College
Wichita State University
Widener University
Wilkes University
William & Mary
William Paterson University of New Jersey
Winona State University
Winthrop University
Woods Hole Oceanographic Institution
Worcester Polytechnic Institute
Worcester State University
Wright State University – Main Campus
Yale University
Youngstown State University

APPENDIX F

Survey Instrument

CGS/GRE® Survey of Graduate Enrollment and Degrees

2019 _____ Data Sheet

Institution Name: _____ GRE Institution Code: _____

I. Graduate Enrollment for 2019 Fall Term						
	Men	First Time Women	Total	Men	Women	Total
Master's and Other *						
Doctorate						
Total						
Full Time						
Part Time						
Total						

II. Number of Degrees Conferred between July 1, 2018, and June 30, 2019			
	Men	Women	Total
Master's and Other *			
Doctorate			
Graduate Certificate			

III. Number of Completed Applications Submitted for 2019 Fall Term			
	Master's and Other*	Doctorate	Total
Accepted			
Not Accepted			
Total			

IV. Graduate Enrollment by Race/Ethnicity for 2019 Fall Term							
		Men	First-Time Women	Total	Men	Women	Total
Non-Resident Aliens (Temporary Residents)							
U.S. Citizens and Permanent Residents	Hispanic/Latino (of any race)						
	American Indian/Alaskan Native						
	Asian						
	Black/African American						
	Native Hawaiian/Other Pacific Islander						
	White						
	Two or More Races						
Race/Ethnicity Unknown							
Citizenship Unknown							
Total							

* Other includes other non-doctoral programs (for example, graduate certificate programs and educational specialist programs) except in question II where graduate certificates are reported separately.



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