



# Graduate Enrollment and Degrees:

2008 to 2018

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# Quick Takes

The CGS/GRE Survey of Graduate Enrollment and Degrees is the comprehensive source of information on master's and doctoral program applications, enrollment, and degrees in the United States. This report highlights findings from Fall 2018 with detailed data tables. Below are several key points from this year's survey.

## HIGHLIGHTS BY SELECTED INSTITUTIONAL TYPES

- Overall, applications for admission to graduate school in Fall 2018 increased (2.2%). The increase of applications was driven by private, not-for-profit institutions (7.0%), with a slight decrease in applications to public institutions (-0.7%, Table C.1).
- First-time enrollment increased by 2.1% overall with increases across all types of institutions between Fall 2017 and Fall 2018: 0.6% increase in Doctoral Highest Research Institutions, 0.5% increase in Doctoral Higher Research Institutions, 6.2% increase in Doctoral Moderate Research Institutions, and 4.7% increase in Master's Colleges and Universities (Table C.4).
- Between Fall 2017 and Fall 2018, total graduate enrollment increased by 1.5%. Over the academic year, total graduate enrollment increased 1.3% at public institutions and 2.4% at private, not-for-profit institutions (Table C.14).

## HIGHLIGHTS BY SELECTED DEGREE OBJECTIVES

- *Doctoral Degrees.* Applications to graduate schools increased at the doctoral level (4.1%) between Fall 2017 and Fall 2018 (Table C.1). There also was a 2.9% increase in first-time doctoral enrollment between Fall 2017 and Fall 2018 (Table C.12). The number of doctoral degrees awarded flattened (-0.6%) between academic years 2016-17 and 2017-18, reflecting the decrease in doctoral enrollment several years ago (Table C.30).
- *Master's Degrees.* Applications for admissions to master's degree or graduate-level certificate programs increased 1.4% over the past year (Table C.1). Similar to previous years, the large majority (83.3%) of all first-time graduate students in Fall 2018 continue to enroll in programs leading to a master's degree or a graduate certificate (Table B.6). However, the number of master's degrees awarded by institutions participating in the survey decreased by 1.4% between academic years 2016-17 and 2017-18 (Table C.29).
- *Graduate Certificates.* Over the past year, the number of graduate-level certificates awarded increased by 8.9% (Table C.25). The largest shares of certificates were awarded in the fields of education (33.8%), business (14.7%), and health sciences (14.2%) during 2017-18 (Table B.22).

## HIGHLIGHTS BY SELECTED BROAD FIELDS OF STUDY

- *Arts and Humanities.* Graduate applications in arts and humanities remained flat (0.4%) between Fall 2017 and Fall 2018 (Table C.2). Likewise, first-time enrollment in arts and humanities flattened at both the doctoral level (0.0%) and master's level (-0.4%) between Fall 2017 and Fall 2018 (Tables C.12 and C.13). The number of degrees conferred in the arts and humanities decreased 1.7% at the doctoral level and increased 0.1% at the master's level between Fall 2017 and Fall 2018. (Tables C.29 and C.30).
- *Engineering.* The volatility of applications and enrollments in engineering is mostly at the master's level. Graduate applications to master's programs in engineering declined by 10.0% between Fall 2017 and Fall 2018, while doctoral applications flattened (-0.8%, Table C.3). The first-time enrollment of international students<sup>1</sup> in engineering decreased by 8.3% over the past year (Table C.9). Engineering first-time enrollment decreased 1.2% at the doctoral level and 5.7% at the master's level (Tables C.12 and C.13).
- *Mathematics and Computer Sciences.* There was a robust increase in first-time enrollment in mathematics and computer sciences (4.3%) between Fall 2017 and Fall 2018, following the 8.9% annual average growth over the previous five-year period and 11.0% annual average growth over the past ten-year period (Table C.7). Mathematics and computer sciences had the largest increase in first-time enrollment across all broad fields among full-time students (5.9%), domestic students (6.0%), and women (7.3%) between Fall 2017 and Fall 2018 (Tables C.8, C.9, and C.11). The broad field also reported the largest percentage increases in total enrollment among African Americans (8.7%) and Latinx<sup>2</sup> (15.9%) students over the past year (Table C.20).

## HIGHLIGHTS BY SELECTED STUDENT DEMOGRAPHICS

- *Underrepresented Minorities.* Among first-time U.S. citizens and permanent resident graduate students in the Fall of 2018, about 24.1% were underrepresented minorities, including American Indian/Alaska Native (0.5%), Black/African American (11.8%), Native Hawaiian/Other Pacific Islander (0.2%), and Latinx (11.6%). Despite these healthy increases in first-time enrollment, minority students remain substantially underrepresented, particularly in STEM fields (Table B.11). Notable among underrepresented minorities was that for the past year, first-time graduate enrollment of American Indian/Alaska Native students increased 8.3% and first-time graduate enrollment of Latinx students increased 6.8% between Fall 2017 and Fall 2018 (Table C.5). The positive trend for Latinx students has been consistent for the last three years.
- *Gender.* In Fall 2018, more than half of first-time graduate students both at the master's degree and certificate level (59.7%) and at the doctoral level (54.4%) were women (Tables B.7). Women also earned the majority of graduate certificates (64.8%), master's degrees (58.3%), and doctoral degrees (53.0%) awarded by U.S. institutions in 2017-18 (Tables B.23, B.24, and B.25). However, men still constituted majorities of first-time graduate enrollment in business, engineering, mathematics and computer sciences, and physical and earth sciences (Table B.4).
- *International Students.* First-time graduate enrollment of international students decreased (-1.3%) between Fall 2017 and Fall 2018. However, the five-year average annual rate of change (2.3%), as well as the ten-year average annual rate of change (4.9%) remains strong (Table C.5).

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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.

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 the 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 2018 CGS/GRE Survey of Graduate Enrollment and Degrees was launched in November 2018 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 775 colleges and universities, and useable responses were received from institutions (N=589), for an overall response rate of 76%.

This report begins by highlighting the findings on the number of applications received from prospective graduate students for Fall 2018, first-time and total enrollment for Fall 2018, and the number of master's and doctoral degrees and other post-baccalaureate certificates conferred during the 2017-18 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 2018; and Degrees Conferred, 2017-18) and Appendix C (Data Tables for Trends in Graduate Applications; First-Time Enrollment; Total Enrollment; and Degrees Conferred, 2008 to 2018). Other appendices include Appendix A (Definitions), Appendix D (Taxonomy of Fields of Study), Appendix E (List of Institutions Participating in the Fall 2018 Survey), and Appendix F (Survey Instrument).

# Acknowledgments

This report would not have been possible without the valuable contributions of many organizations and individuals. We would like to express our appreciation to ETS and the GRE program for ensuring the quality of the survey and the continuity of data. We particularly want to thank David Payne for his unwavering support of this effort, Dawn Piacentino for her overall direction of the project at ETS, and Carol Hawkes and Judy Lauter for their coordination of the data collection effort.

We thank CGS President Suzanne Ortega for her insights and guidance. Also, many thanks to Katherine Hazelrigg for assistance in preparing the final report, its release, and media relations; Matthew Linton for preparing its printing; and to Christian P. L. West for preparing the data tables. 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 2018

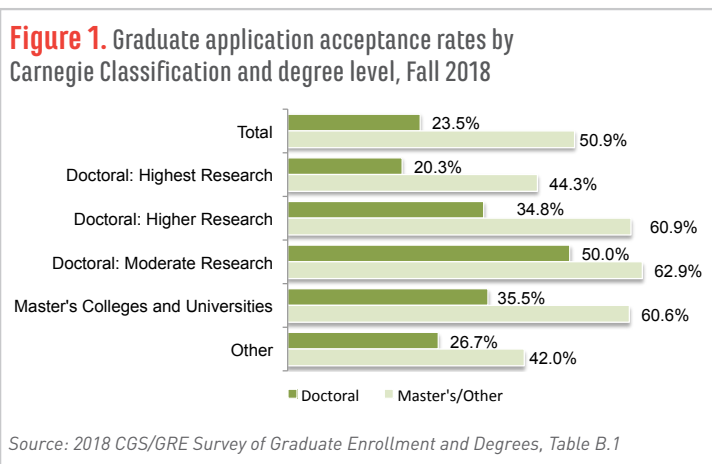
More than 1.8 million graduate students were enrolled in graduate certificate, master's, or doctoral programs at U.S. graduate schools in Fall 2018, according to institutions responding to the 2018 CGS/GRE Survey of Graduate Enrollment and Degrees. The number of applications received by responding institutions increased by 2.2% between Fall 2017 and Fall 2018. The first-time graduate enrollment and total graduate enrollment increased by 2.1% and 1.5% respectively between Fall 2017 and Fall 2018. This section will highlight the state of graduate applications for admission for Fall 2018, first-time and total enrollment in Fall 2018, and graduate degrees and certificates conferred in the 2017-18 academic year.

## GRADUATE APPLICATIONS

Institutions responding to the 2018 CGS/GRE Survey of Graduate Enrollment and Degrees received approximately 2.2 million applications for admission to graduate programs for study beginning in Fall 2018. The figure includes more than 1.3 million applications for Fall 2018 received by public institutions and 866,802 graduate applications for admission to private, not-for-profit institutions. About 70% or 1,530,673 of the applications received by institutions responding to the survey were to master's/other programs. Even among Highest Research Doctoral Universities, 63% of applications received were to 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 2018 survey were consistent with this pattern. Overall, 23.5% of doctoral applicants and 50.9% of master's/other applicants were accepted for admission. Private, not-for-profit institutions were generally more selective in terms of acceptance rates than public institutions. Doctoral programs at private, not-for-profit research universities with highest research activity were most selective, accepting

13.7% of applications received. Master's/other programs at these universities were also more selective with the overall acceptance rate of 39.8% (Table B.1 and Figure 1).



By broad field of study, the largest number of total applications for Fall 2018 were in engineering (284,512), business (278,775), and health sciences (270,580). These three broad fields alone accounted for 40.7% of all graduate applications for which the intended field of study was known in Fall 2018. Among doctoral applicants, social and behavioral sciences was the largest broad field, accounting for 123,059, or 19%, of all doctoral applications. The broad field of social and behavioral sciences (15.6%) was the second most selective field in terms of doctoral acceptance rates, trailing only the broad field of business (15.3%). The broad field of business received the largest number of applications at the master's/other level (254,979), followed by mathematics and computer sciences (201,373). In terms of master's acceptance rates, mathematics and computer sciences (37.0%) was most selective, followed by arts and humanities (40.8%), health sciences (42.0%), engineering (47.1%), physical and earth sciences (47.3%), and biological and agricultural sciences (50.9%) (Table B.2).

## FIRST-TIME GRADUATE ENROLLMENT

A total of 533,974 graduate students enrolled for the first time in graduate certificate, education specialist, master's, or research doctoral programs in Fall 2018 at the institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees. At those institutions, over one-half of first-time graduate students (59.0%) were women (Table B.3).

Consistent with previous survey cycles, business (88,558), education (82,234), and health sciences (69,443) were the three largest broad fields for first-time graduate enrollment in Fall 2018. These three broad fields collectively represented 45.0% 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 (78.9%), health sciences (78.2%), and education (75.7%) in Fall 2018, they comprised much smaller portions of first-time enrollment in fields of engineering (27.0%), mathematics and computer sciences (34.5%), and physical and earth sciences (41.1%) (Table B.4 and Figure 2).

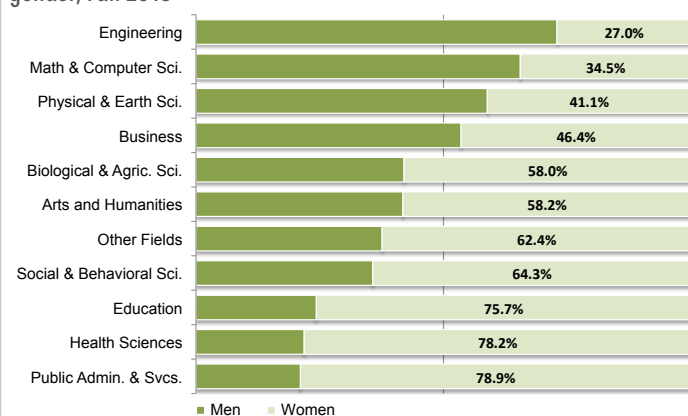
was particularly high in the broad fields of public administration and services (96.2%), business (95.1%), "other fields" (92.4%),<sup>3</sup> education (86.0%), and mathematics and computer sciences (85.7%). By contrast, the majority (58.8%) of first-time graduate enrollment in physical and earth sciences was in doctoral programs (Table B.6).

Roughly one third (34.7%) of all first-time students, for whom both fields and degree levels were known, enrolled in master's degree or graduate certificate programs in business (84,227) and education (70,927). At the doctoral level, the broad fields of health sciences (14,664), social and behavioral sciences (11,618), education (11,594), and engineering (10,294) were the largest, accounting for 53.7% of all first-time doctoral students (Table B.6).

In Fall 2018, women comprised a larger share of first-time enrollees at the master's and graduate certificate level (59.7%) than at the doctoral level (54.4%). Although women comprise the majority of first-time graduate students overall, in business, engineering, mathematics and computer sciences, and physical and earth sciences, men comprised a majority of first-time enrollees both at the master's and doctoral level (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 2018 for whom citizenship was known, 80.2% were U.S. citizens and permanent residents and 19.8% were international students (Table B. 8). The share of first-time international enrollment continually decreased over the past five years, Fall 2017 (20.3%), Fall 2016 (21.2%) and Fall 2015 (22.0%) (Table B.8)<sup>4</sup>. The share of international students among first-time graduate students was higher at private, not-for-profit universities (24.5%) than at public universities (18.0%). The share of international students among first-time graduate students was the largest at doctoral universities with highest research activity (29.5%) (Table B.8). International students comprised the largest share of first-time graduate students in mathematics and computer sciences (55.6%), followed closely by engineering

**Figure 2.** First-time graduate enrollment by broad field of study and gender, Fall 2018



Source: 2018 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.4

The large majority (83.3%) of first-time graduate students in Fall 2018 were enrolled in programs leading to a master's degree or a graduate certificate. As a percentage of total first-time enrollment, graduate certificate and master's degree enrollment

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 and Fall 2017 can be found in previous editions of the *Graduate Enrollment and Degrees* reports, which are available on the Council of Graduate Schools' website.

(51.0%). The share of international students was smallest in education (3.9%), public administration and services (4.2%), and health sciences (4.9%) (Table B.9 and Figure 3). While 59.0% of first-time graduate enrollees who were U.S. citizens and permanent residents were women, 44.6% of first-time graduate enrollees who were international students were women (Table B.10).

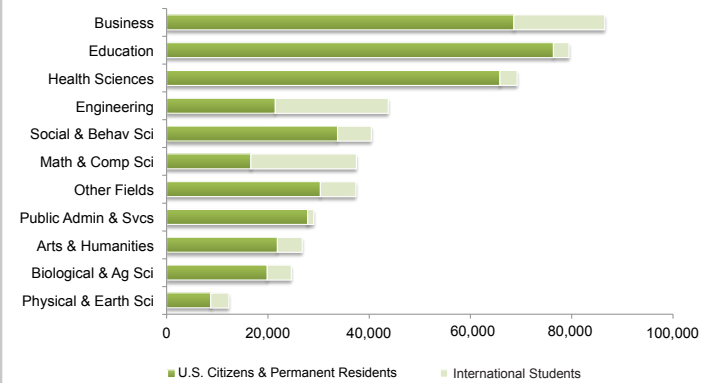
The share of underrepresented minorities (URM) among U.S. citizens and permanent residents slightly increased from previous years (23.4%). In Fall 2018, approximately 24.1% of all first-time U.S. citizens and permanent resident enrollees were URM students, including American Indian/Alaska Native (0.5%), Black/African American (11.8%), Native Hawaiian/Other Pacific Islander (0.2%), and Latinx (11.6%) (Table B.11 and Figure 4).

American Indian/Alaska Native, Black/African American, and Latinx first-time graduate students remain particularly underrepresented in science, engineering, technology, and mathematics (STEM) fields. For example, only 4.3% of first-time enrollment in physical and earth sciences and 5.9% in engineering were Black/African American students. While only 3.7% of first-time students in education were Asians, they constituted a relatively large share of U.S. citizens and permanent residents enrolled for the first time in mathematics and computer sciences (17.9%) and engineering (14.5%) fields (Table B.11). Tables B.3 to B.11 provide additional details regarding first-time graduate enrollment for Fall 2018.

### TOTAL GRADUATE ENROLLMENT

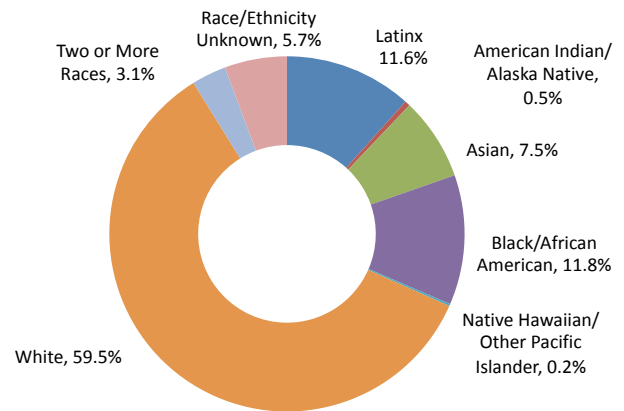
Institutions responding to the CGS/GRE survey enrolled more than 1.8 million graduate students in Fall 2018. Over one million of those graduate students, or 58.2%, were women. Interestingly, at Highest Research Doctoral Universities, men and women were almost equally represented with 48.4% men and 51.6% women. Across all institutions that participated in this survey, 57.0% 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, highest-level research doctoral institutions with 76.7% of graduate students enrolled full time. By contrast, 60.8% of graduate students at public master's

**Figure 3.** First-time graduate enrollment by broad field of study and citizenship, Fall 2018



Source: 2018 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.9

**Figure 4.** U.S. citizen and permanent resident first-time enrollment by race/ethnicity, Fall 2018

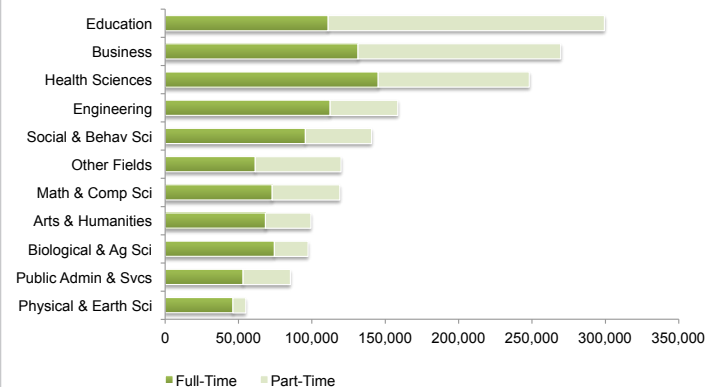


Source: 2018 CGS/GRE Survey of Graduate Enrollment & Degrees, Table B.11

colleges and universities were enrolled part-time in Fall 2018. (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 (62.9%) master's and doctoral students in education, one half (51.2%) in business, and 41.5% in health sciences were enrolled part-time. By contrast, physical and earth sciences (15.8%), biological and agricultural sciences (23.6%), and engineering (29.1%) had smaller proportions of graduate students enrolled part-time in their programs (Table B.13 and Figure 5). Among graduate students in Fall 2018, men were more likely to be enrolled full time than women (59.9% and 55.1% respectively). However, a higher percentage of women than men were enrolled full-

**Figure 5.** Total graduate enrollment by broad field of study and attendance status, Fall 2018



Source: 2018 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.13

time in engineering, mathematics and computer sciences, and public administration and services (Table B.14).

Nearly three quarters (73.9%) of total graduate enrollment at institutions participating in this year's survey was in master's programs, while 26.1% was in doctoral programs. In particular, graduate enrollment in business (94.0%) and public administration and services (92.5%) was heavily concentrated in master's/other programs. Across STEM fields, graduate enrollment was predominantly at the master's level. However, graduate enrollment in physical and earth sciences was concentrated more at the doctoral level (73.6%, Table B.15).

International graduate students constituted 18.0% of total enrollment in Fall 2018, compared with U.S. citizens and permanent residents, who constituted 82.0%. At the Highest Research Doctoral Institutions, the share of international students was 28.0% (Table B.17). The presence of international students was particularly high in engineering (51.2%), mathematics and computer sciences (50.1%), and physical and earth sciences (32.9%, Table B.18).

Among U.S. citizens and permanent residents, Blacks/African Americans were particularly underrepresented in several fields. While they constitute 12.5% of U.S. citizens and permanent resident graduate students, overall, they accounted for only 3.7% of physical and earth sciences. Similarly, they were grossly underrepresented in

engineering (5.6%), arts and humanities (5.8%), and biological and agricultural sciences (6.0%, Table B.20). 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.

## GRADUATE CERTIFICATES AND DEGREES CONFERRED

Institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees awarded a total of 715,371 graduate certificates and degrees in the academic year 2017-18 (July 1, 2017 through June 30, 2018). The large majority (593,428 or 83.0%) of degrees awarded in 2017-18 were master's degrees, followed by doctoral degrees (79,720 or 11.1%), and graduate certificates (42,223 or 5.9%) (Table B.21).

By field of study, health sciences accounted for the largest number of doctoral degrees awarded in 2017-18, with 20.8% of the total, followed by engineering (13.5%), education (12.7%), social and behavioral sciences (12.6%), and biological and agricultural sciences (11.7%). At the master's degree level, business and education were the largest broad fields of degrees awarded, accounting for 21.3% and 18.9%, respectively. While over one-third of degree recipients in physical and earth sciences (41.6%) were awarded doctoral degrees, more than nine out of ten degree recipients in business (93.3%) and public administration and services (93.4%) were awarded master's degrees. Of the broad fields in this report, education (33.8%), business (14.7%), and health sciences (14.2%) had large shares of certificates awarded by institutions participating in this survey during 2017-18 (Table B.22).

Academic year 2017-18 marked the eighth consecutive year in which women earned the majority of degrees awarded at the doctoral level. Women earned 64.8% of graduate certificates awarded in 2017-18, 58.3% of master's degrees, and 53.0% 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 (74.0%) and doctoral degrees (75.2%) in engineering. Similarly, 65.5% of master's degrees and 74.8% of doctoral degrees in mathematics and computer sciences were earned by men (Tables B.23, B.24, and B.25).

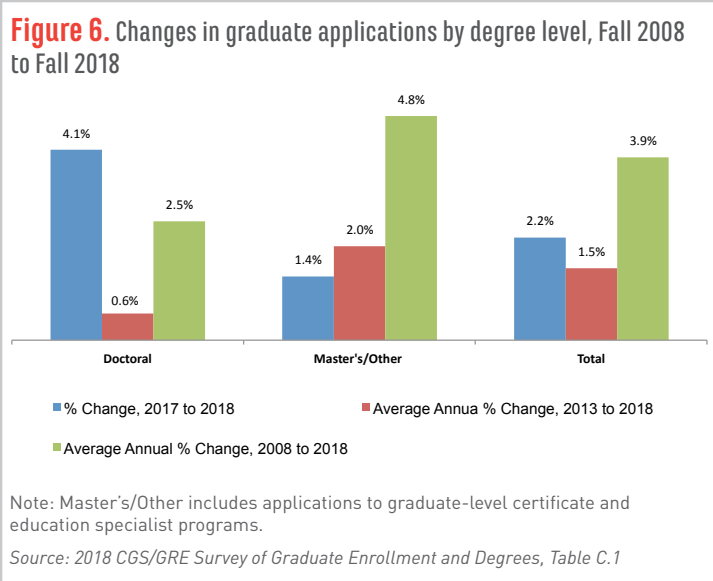
# Trends in Graduate Applications, Enrollment, and Degrees: 2008 to 2018

Institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees reported an increase in applications for admission and first-time graduate enrollment (2.2% and 2.1%, respectively) between Fall 2017 and Fall 2018. 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, 2015 Carnegie Classification, attendance status, gender, race/ethnicity, and citizenship status.

## TRENDS IN GRADUATE APPLICATIONS

Between Fall 2017 and Fall 2018, applications for admission to U.S. graduate schools increased 2.2% at the institutions that responded to the CGS/GRE Survey of Graduate Enrollment and Degrees in both 2017 and 2018. Public institution application counts decreased 0.7%, while private, not-for-profit applications increased by 7.0%. Although there was a one-year increase in graduate applications for Fall 2018 (2.2%), the increase was less than the average annual growth rate seen over the past decade. Between Fall 2008 and Fall 2018, graduate applications grew at an average annual rate of 3.9%. The number of applications for admission to graduate school also increased across Highest Research Doctoral Universities (1.7%), Moderate Research Doctoral Universities (1.6%), and Master's Colleges and Universities (8.0%) between Fall 2017 and Fall 2018. However, Higher Research Doctoral Universities reported a small decrease (-1.1%) in applications between Fall 2017 and Fall 2018 (Table C.1 and Figure 6).

By broad field of study, the largest one-year increases in graduate applications occurred in the fields of mathematics and computer sciences (8.3%), social and behavioral sciences (4.3%), and biological and agricultural sciences (2.0%). Graduate



applications decreased over the one-year period in business (-4.0%), engineering (-6.9%), health sciences (-1.0%), and physical and earth sciences (-0.2%, Table C.2). While the decline of graduate applications in engineering appears to follow the trend of the last five years, the increase in arts and humanities (0.4%) reverses the trend from the five-year average annual rate of change (-2.9%) and ten-year average annual rate of change (-0.5%). Similarly, one-year rates of change in application counts shifted drastically between Fall 2016/17 and Fall 2017/18 for mathematics and computer sciences (1.7% and 8.3%), business (4.5% and -4.0%), and social and behavioral sciences (0.4% and 4.3%).

Applications for admission increased for both doctoral programs (4.1%) and master's/other programs (1.4%) between Fall 2017 and Fall 2018. The five-year average annual rate of change was 0.6% at the doctoral level and 2.0% at the master's level between Fall 2013 and Fall 2018. At the doctoral level, mathematics and computer sciences (18.6%) had the largest one-year increase of all broad fields of study. This was a much higher rate of increase when compared to the five-year average



annual rate of change (7.1%). Health sciences had the largest one-year decrease at the doctoral level (-6.2%). At the master's/other level, social and behavioral sciences (9.3%) reported the highest one-year increase. For more detailed information about trends in graduate applications, see Tables C.1 to C.3.

## TRENDS IN FIRST-TIME GRADUATE ENROLLMENT

First-time graduate enrollment increased 2.1% between Fall 2017 and Fall 2018 at the institutions that responded to both the 2017 and 2018 CGS/GRE Surveys of Graduate Enrollment and Degrees. The increase in first-time enrollment between Fall 2017 and Fall 2018 was greater at public institutions (2.4%) than it was at private, not-for-profit institutions (1.4%). By Basic Carnegie Classification, first-time graduate enrollment rose 0.6% at Doctoral Universities with Highest Research Activity, 0.5% at Doctoral Universities with Higher Research Activity, and 6.2% at Doctoral Universities with Moderate Research Activity over the past year. Master's Colleges and Universities also increased their first-time graduate enrollment by 4.7% (Table C.4).

First-time graduate enrollment of international students decreased by 1.3% between Fall 2017 and Fall 2018. It is the third decrease since 2003, though the five-year average annual increase (2.3%) and ten-year average annual increase (4.9%) rates remain high. By contrast, first-time graduate enrollment reported a 2.8% increase among U.S. citizens and permanent residents between Fall 2017 and Fall 2018, which was higher than the prior-year increase (1.1%). Recent increases in the first-time enrollment of U.S. citizens and permanent resident graduate students are promising even as the five-year average (2.7%) and ten-year average (1.8%) annual increase rates remain low (Table C.5).

Between Fall 2017 and Fall 2018, first-time enrollment increased 6.8% among Latinxs, 3.5% among Black/African Americans, and 6.2% among Asians/Pacific Islanders. Most notably, the annual growth rates of first-time enrollment between Fall 2017 and Fall 2018 improved sizably for American Indian/Alaska Native students (8.3%) when compared against the data from the prior year (-6.5%). Although the baseline enrollment number

is small, the increased first-time enrollment of American Indian/Alaska Native students is encouraging. For year-over-year changes between Fall 2008 and Fall 2018, first-time graduate enrollment increased 7.5% among Latinxs, 3.4% among Black/African Americans, and 4.5% among Asians/Pacific Islanders, while it declined 2.4% among American Indian/Alaska Natives (Table C.5).

While women saw a 3.7% increase in first-time graduate enrollment between Fall 2017 and Fall 2018, men's first-time enrollment decreased by 0.2%. This drop in men's first-time enrollment may be due to the decline in first-time international graduate students. Among international students, first-time graduate enrollment decreased 2.7% for men and increased 0.1% for women between Fall 2017 and Fall 2018. By contrast, among U.S. citizens and permanent residents, there was a 0.6% increase in first-time enrollment among men between Fall 2017 and Fall 2018, compared with a 4.3% increase among women (Table C.6).

Of the broad fields of study, mathematics and computer sciences (4.3%) reported the largest one-year gain in first-time graduate enrollment between Fall 2017 and Fall 2018. Health sciences (3.3%) reported the second-largest increase in first-time graduate enrollment between Fall 2017 and Fall 2018. However, engineering fields reported a decrease in first-time graduate enrollment. The one-year change in first-time graduate enrollment in engineering was -4.6%, compared to -3.8% between Fall 2016 and Fall 2017. Similarly, the first-time graduate enrollment in arts and humanities decreased by 0.3% between Fall 2017 and Fall 2018 (Table C.7). In the decade spanning 2008 to 2018, increases in first-time enrollments have been particularly strong in the fields of mathematics and computer sciences, health sciences, and biological and agricultural sciences (Figure 7).

Among U.S. citizens and permanent residents, increases in first-time graduate enrollment were greater for American Indian/Alaska Natives (8.3%) than all other groups, including Latinxs (6.8%), Asian/Pacific Islanders (6.2%), Blacks/African Americans (3.5%), and Whites (1.5%) between Fall 2017 and Fall 2018 (Table C.10). Despite strong one-year gains (8.3%), American Indian/Alaska

Natives have experienced decreases in first-time enrollment (-2.4%) over a 10-year time period. It's important to note that the base rates of American Indian/Alaska Native students were small. For more detailed information about changes and trends in first-time graduate enrollment, see Tables C.4 through C.13.

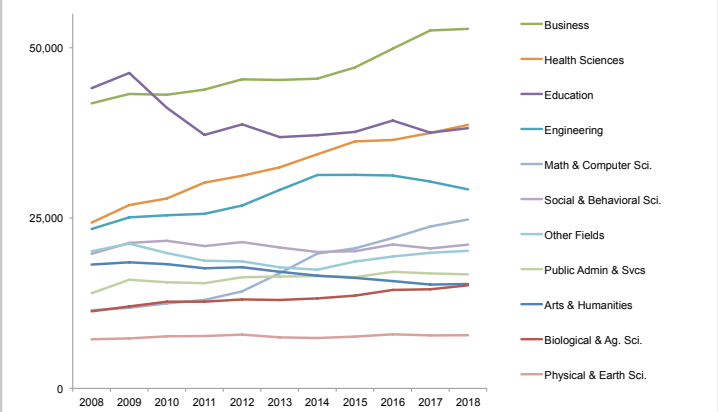
### TRENDS IN TOTAL GRADUATE ENROLLMENT

Total graduate enrollment increased 1.5% between Fall 2017 and Fall 2018 at the institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees for both 2017 and 2018 (Table C.14). Over the one-year period, total graduate enrollment increased 1.3% at public institutions and 2.4% at private, not-for-profit institutions. Total graduate enrollment had a 0.8% increase over the last five years between Fall 2013 and Fall 2018, and a 0.7% increase during the ten-year period between Fall 2008 and Fall 2018.

Between Fall 2017 and Fall 2018, total graduate enrollment increased by 2.3% for U.S. citizens and permanent residents and decreased by 1.7% for international students. Total enrollment reflects trends of multiple preceding years (Table C.15). Total enrollment had no annual change among men, while increasing 2.6% among women between Fall 2017 and Fall 2018 (Table C.16). Between Fall 2017 and Fall 2018, total enrollment increased 7.3% among Latinxs, 6.1% among Asian/Pacific Islanders, 1.1% among Black/African Americans, 1.2% among American Indian/Alaskan Natives, and 1.2% among Whites (Table C.20). Despite the growth over the past decade, the overall share of underrepresented minorities in total graduate enrollment among U.S. citizens and permanent residents remains disproportionately low. While the representation of Latinx graduate students grew, the relative shares of Black/African American students grew at a slower rate (Figure 8).

The largest one-year change in total graduate enrollment by broad field of study between Fall 2017 and Fall 2018 was in mathematics and computer sciences (4.4%). There was also growth in the broad fields of business (2.9%), health sciences (2.9%), and biological and agricultural sciences (2.6%). While these four fields reported the largest one-year increases, the broad fields of the arts and

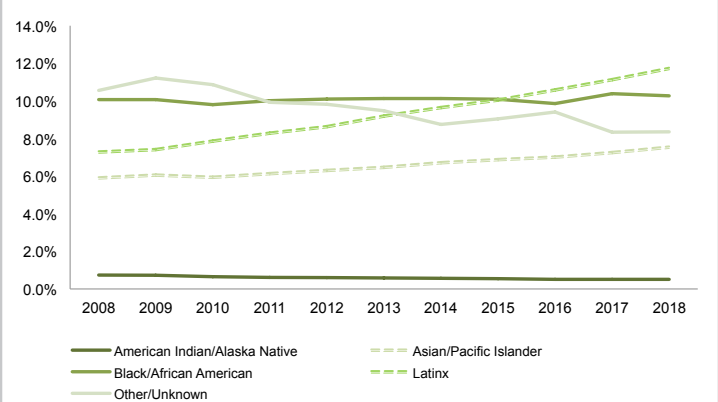
**Figure 7.** Trends in first-time graduate enrollment by field of study, Fall 2008 to Fall 2018



Note: Trends were developed based upon institutions that provided data for all years 2008 to 2018; therefore, the numbers of first-time enrollments do not match data in the tables.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Figure 8.** Percentage shares in total graduate enrollment of U.S. citizens and permanent residents by selected race/ethnicity, Fall 2008 to Fall 2018



Note: Trends were developed based upon institutions that provided data for all years 2008 to 2018; the numbers of first-time enrollments do not match data in the tables.

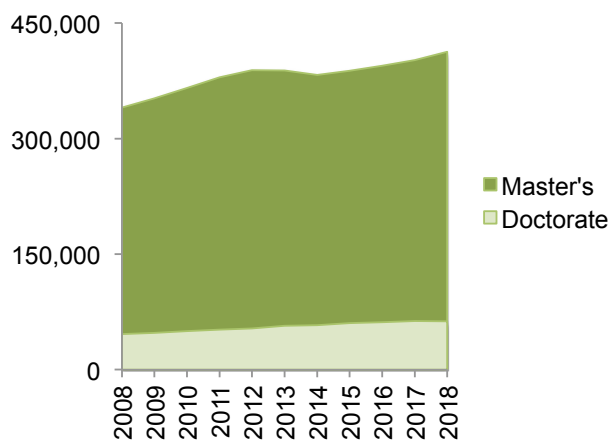
Source: CGS/GRE Survey of Graduate Enrollment and Degrees

humanities and engineering experienced decreased total enrollment between 2017 and 2018 (-2.4% and -2.3%, respectively). The fields of education (-1.6%) and arts and humanities (-1.7%) reported the largest declines in total enrollment over the ten-year period between 2008 and 2018 (Table C.17). More detailed information about changes and trends in total graduate enrollment can be found in Tables C.14 through C.23.

## TRENDS IN GRADUATE DEGREES

The number of doctoral degrees awarded flattened (-0.6%) and the number of master's degree awarded decreased by 1.4% between 2016-17 and 2017-18 at institutions responding to the 2018 CGS/GRE Survey of Graduate Enrollment and Degrees. It is the first decrease of master's degrees awarded since 2014. There was an 8.9% increase in the number of graduate certificates awarded, however. In the five-years spanning 2013 to 2018, the average annual change in the number of graduate certificates awarded was 2.7%. Over the same period, increases in doctoral degree production (1.9%) were higher than for master's degree production (1.2%, 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 (Figure 9).

**Figure 9.** Trends in graduate degrees awarded by level, Fall 2008 to Fall 2018



Note: Trends were developed based upon institutions that provided data for all years 2008 to 2018; therefore, the numbers of total degrees awarded do not match data in the tables.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Growth in doctoral degree production was stronger between Fall 2013 and Fall 2018 (1.9%) and over the ten-year period between Fall 2008 and Fall 2018 (3.6%) than the growth in master's degree. 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 2016-17 and 2017-18, doctoral degree production increased 1.5% at private, not-for-profit institutions, while the doctoral degree production decreased 1.5% at

public institutions. In the decade spanning 2007-08 to 2017-18, doctoral degree production increased 3.4% at public institutions and 4.0% at private, not-for-profit institutions (Table C.24).

There was a 1.4% decrease in master's degree production between 2016-17 and 2017-18. Despite the overall rate of growth slowing, there was a 1.2% average annual increase between 2012-13 and 2017-18 and a 2.0% average annual increase between 2007-08 and 2017-18. The average annual percent change for master's degree production at public and private, not-for-profit institutions increased between the five- and ten-year intervals (Table C.24). Some types of institutions also saw more robust growth in graduate certificates awarded over the past year than others. The average annual rates of increase for graduate certificates awarded were 18.6% for Doctoral Moderate Research Universities and 12.5% for Master's Colleges and Universities (Table C.25).

The 1.4% decrease in degree production at the master's level between 2016-17 and 2017-18 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 business (4.4%), health sciences (3.0%), and biological and agricultural sciences (2.4%), while mathematics and computer sciences reported the largest decline in master's degree production (-5.3%) (Table C.29).

At the doctoral level, degree production decreased in 3 of 11 broad fields of study between 2016-17 and 2017-18, with one-year changes ranging from -1.7% (arts and humanities) to a low of -2.6% (education). There was an increase in doctoral production in "other fields" (7.2%), mathematics and computer sciences (4.3%), engineering (4.0%), and business (2.1%) (Table C.30). Additional information regarding changes and trends in graduate certificates and degrees awarded can be found in Tables C.24 through 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](http://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 2015 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:

**Doctoral Universities (highest research activity)**—Universities with highest research activity that award at least 20 doctorates per year.

**Doctoral Universities (higher research activity)**—Universities with higher research activity that award at least 20 doctorates per year.

**Doctoral Universities (moderate research activity)**—Universities with moderate research activity that award at least 20 doctorates per year.

**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 2017 and 2018 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 2013 and 2018 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 2008 and 2018 surveys.

**Trend Lines**—Trend lines were constructed using data collected from only those institutions that responded to all surveys from 2008 through 2018.

## 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 589 institutions that responded to the 2018 CGS/GRE Survey of Graduate Enrollment and Degrees. Data were not imputed for missing fields or for non-responding institutions.

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 2018, and Degrees Conferred, 2017-18

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**Table B.1: Applications for Admission to Graduate School by Institution Type, Carnegie Classification, and Degree Level, Fall 2018**

Carnegie Classification and Institution Type **	Total	Doctoral		Master's/Other *			Total	Total	
		Accepted Applications		Total	Accepted Applications			Accepted Applications	
<b>Total</b>	<b>657,209</b>	<b>154,446</b>	<b>23.5%</b>	<b>1,530,673</b>	<b>778,656</b>	<b>50.9%</b>	<b>2,191,784</b>	<b>935,163</b>	<b>42.7%</b>
<i>Public</i>	404,119	105,867	26.2%	912,180	484,106	53.1%	1,317,018	590,617	44.8%
<i>Private, not-for-profit</i>	249,686	46,535	18.6%	613,933	291,497	47.5%	866,802	339,449	39.2%
<i>Private, for-profit</i>	S	S		S	S		S	S	
Doctoral: Highest Research	521,429	105,878	20.3%	880,402	390,163	44.3%	1,401,831	496,041	35.4%
<i>Public</i>	329,688	79,529	24.1%	552,111	259,635	47.0%	881,799	339,164	38.5%
<i>Private, not-for-profit</i>	191,741	26,349	13.7%	328,291	130,528	39.8%	520,032	156,877	30.2%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral: Higher Research	66,706	23,195	34.8%	212,958	129,656	60.9%	279,664	152,851	54.7%
<i>Public</i>	43,555	16,422	37.7%	135,314	83,217	61.5%	178,869	99,639	55.7%
<i>Private, not-for-profit</i>	23,151	6,773	29.3%	77,644	46,439	59.8%	100,795	53,212	52.8%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral: Moderate Research	19,742	9,874	50.0%	122,350	76,977	62.9%	142,092	86,851	61.1%
<i>Public</i>	7,061	3,064	43.4%	55,755	35,323	63.4%	62,816	38,387	61.1%
<i>Private, not-for-profit</i>	10,243	5,045	49.3%	64,199	39,526	61.6%	74,442	44,571	59.9%
<i>Private, for-profit</i>	S	S		S	S		S	S	
Master's Colleges and Universities	26,410	9,378	35.5%	266,732	161,620	60.6%	296,967	173,022	58.3%
<i>Public</i>	10,693	4,078	38.1%	155,606	100,780	64.8%	167,018	105,502	63.2%
<i>Private, not-for-profit</i>	15,717	5,300	33.7%	111,126	60,840	54.7%	129,949	67,520	52.0%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Other	22,922	6,121	26.7%	48,231	20,240	42.0%	71,230	26,398	37.1%
<i>Public</i>	13,122	2,774	21.1%	13,394	5,151	38.5%	26,516	7,925	29.9%
<i>Private, not-for-profit</i>	8,834	3,068	34.7%	32,673	14,164	43.4%	41,584	17,269	41.5%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	

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

\*\* See page 20-21 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 2018

Broad Field	Doctoral			Master's/Other *			Total		
	Total	Accepted Applications		Total	Accepted Applications		Total	Accepted Applications	
<b>Total</b>	<b>657,209</b>	<b>154,446</b>	<b>23.5%</b>	<b>1,530,673</b>	<b>778,656</b>	<b>50.9%</b>	<b>2,191,784</b>	<b>935,163</b>	<b>42.7%</b>
Arts and Humanities	56,864	10,877	19.1%	96,052	39,189	40.8%	152,916	50,100	32.8%
Biological and Agricultural Sciences	78,957	16,185	20.5%	52,503	26,715	50.9%	131,578	42,959	32.6%
Business	23,733	3,630	15.3%	254,979	134,492	52.7%	278,775	138,196	49.6%
Education	28,234	12,848	45.5%	134,434	95,567	71.1%	162,743	108,751	66.8%
Engineering	99,653	24,493	24.6%	184,859	87,107	47.1%	284,512	111,600	39.2%
Health Sciences	67,529	20,266	30.0%	195,449	82,120	42.0%	270,580	104,182	38.5%
Mathematics and Computer Sciences	63,431	12,743	20.1%	201,373	74,590	37.0%	264,804	87,341	33.0%
Physical and Earth Sciences	69,238	17,384	25.1%	17,683	8,367	47.3%	87,052	25,880	29.7%
Public Administration and Services	4,121	1,261	30.6%	67,466	44,130	65.4%	72,171	46,043	63.8%
Social and Behavioral Sciences	123,059	19,185	15.6%	97,231	56,942	58.6%	220,513	76,349	34.6%
Other Fields	18,258	5,206	28.5%	103,182	60,214	58.4%	121,440	65,420	53.9%

\* 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 2018**

Carnegie Classification and Institution Type *	Total	Men	Women	Full-Time	Part-Time				
<b>Total</b>	<b>533,974</b>	<b>215,406</b>	<b>41.0%</b>	<b>309,613</b>	<b>59.0%</b>	<b>357,432</b>	<b>67.0%</b>	<b>176,073</b>	<b>33.0%</b>
<i>Public</i>	332,075	139,399	42.0%	192,676	58.0%	219,066	66.0%	112,662	34.0%
<i>Private, not-for-profit</i>	180,144	72,599	40.3%	107,401	59.7%	127,441	70.8%	52,581	29.2%
<i>Private, for-profit</i>	S	S		S		S		S	
Doctoral: Highest Research	247,580	115,867	46.8%	131,713	53.2%	192,212	77.6%	55,368	22.4%
<i>Public</i>	173,001	81,308	47.0%	91,693	53.0%	130,712	75.6%	42,289	24.4%
<i>Private, not-for-profit</i>	74,579	34,559	46.3%	40,020	53.7%	61,500	82.5%	13,079	17.5%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: Higher Research	82,683	34,104	41.2%	48,579	58.8%	53,965	65.3%	28,718	34.7%
<i>Public</i>	57,851	23,456	40.5%	34,395	59.5%	36,543	63.2%	21,308	36.8%
<i>Private, not-for-profit</i>	24,832	10,648	42.9%	14,184	57.1%	17,422	70.2%	7,410	29.8%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: Moderate Research	70,274	20,410	33.2%	41,053	66.8%	37,979	54.0%	32,295	46.0%
<i>Public</i>	24,668	8,406	34.1%	16,262	65.9%	12,567	50.9%	12,101	49.1%
<i>Private, not-for-profit</i>	26,390	9,545	36.2%	16,845	63.8%	16,612	62.9%	9,778	37.1%
<i>Private, for-profit</i>	S	S		S		S		S	
Master's Colleges and Universities	116,147	38,820	33.5%	77,205	66.5%	61,348	53.0%	54,330	47.0%
<i>Public</i>	70,892	24,285	34.3%	46,607	65.7%	35,311	50.1%	35,234	49.9%
<i>Private, not-for-profit</i>	45,255	14,535	32.2%	30,598	67.8%	26,037	57.7%	19,096	42.3%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Other	17,290	6,205	35.9%	11,063	64.1%	11,928	69.0%	5,362	31.0%
<i>Public</i>	5,663	1,944	34.3%	3,719	65.7%	3,933	69.5%	1,730	30.5%
<i>Private, not-for-profit</i>	9,088	3,312	36.5%	5,754	63.5%	5,870	64.6%	3,218	35.4%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	

\* See page 20-21 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.4: First-Time Graduate Enrollment by Broad Field, Gender, and Attendance Status, Fall 2018**

Broad Field	Total	Men	Women	Full-Time	Part-Time				
<b>Total</b>	<b>533,974</b>	<b>215,406</b>	<b>41.0%</b>	<b>309,613</b>	<b>59.0%</b>	<b>357,432</b>	<b>67.0%</b>	<b>176,073</b>	<b>33.0%</b>
Arts and Humanities	26,795	11,195	41.8%	15,585	58.2%	21,470	80.1%	5,325	19.9%
Biological and Agricultural Sciences	24,670	10,369	42.0%	14,298	58.0%	20,977	85.0%	3,693	15.0%
Business	88,558	45,982	53.6%	39,829	46.4%	56,798	64.1%	31,760	35.9%
Education	82,234	19,154	24.3%	59,637	75.7%	38,127	46.4%	44,015	53.6%
Engineering	43,559	31,776	73.0%	11,777	27.0%	35,269	81.0%	8,290	19.0%
Health Sciences	69,443	15,169	21.8%	54,274	78.2%	47,049	67.8%	22,394	32.2%
Mathematics and Computer Sciences	37,699	24,529	65.5%	12,909	34.5%	28,086	74.5%	9,613	25.5%
Physical and Earth Sciences	12,314	7,247	58.9%	5,065	41.1%	10,907	88.6%	1,407	11.4%
Public Administration and Services	29,269	6,147	21.1%	22,982	78.9%	20,156	68.9%	9,113	31.1%
Social and Behavioral Sciences	41,661	14,149	35.7%	25,494	64.3%	31,216	74.9%	10,445	25.1%
Other Fields	37,525	14,029	37.6%	23,287	62.4%	24,740	65.9%	12,785	34.1%

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 2018**

Broad Field	Men				Women			
	Full-Time		Part-Time		Full-Time		Part-Time	
<b>Total</b>	<b>152,825</b>	<b>71.0%</b>	<b>62,434</b>	<b>29.0%</b>	<b>201,414</b>	<b>65.1%</b>	<b>107,999</b>	<b>34.9%</b>
Arts and Humanities	9,169	81.9%	2,025	18.1%	12,297	78.9%	3,285	21.1%
Biological and Agricultural Sciences	8,834	85.2%	1,535	14.8%	12,140	84.9%	2,158	15.1%
Business	30,451	66.2%	15,529	33.8%	25,377	63.7%	14,452	36.3%
Education	9,352	48.9%	9,784	51.1%	27,314	45.9%	32,235	54.1%
Engineering	25,545	80.4%	6,231	19.6%	9,718	82.5%	2,059	17.5%
Health Sciences	11,024	72.7%	4,145	27.3%	36,025	66.4%	18,249	33.6%
Mathematics and Computer Sciences	17,889	72.9%	6,639	27.1%	10,102	78.3%	2,805	21.7%
Physical and Earth Sciences	6,458	89.1%	789	10.9%	4,447	87.8%	618	12.2%
Public Administration and Services	4,041	65.7%	2,106	34.3%	16,065	69.9%	6,917	30.1%
Social and Behavioral Sciences	10,955	77.5%	3,188	22.5%	19,731	77.4%	5,757	22.6%
Other Fields	9,470	67.5%	4,559	32.5%	15,193	65.2%	8,094	34.8%

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 2018**

Broad Field	Total	Doctoral		Master's/Other *	
<b>Total</b>	<b>533,974</b>	<b>89,769</b>	<b>16.7%</b>	<b>447,538</b>	<b>83.3%</b>
Arts and Humanities	26,795	5,496	20.5%	21,303	79.5%
Biological and Agricultural Sciences	24,670	8,807	35.7%	15,863	64.3%
Business	88,558	4,331	4.9%	84,227	95.1%
Education	82,234	11,594	14.0%	70,927	86.0%
Engineering	43,559	10,294	23.5%	33,598	76.5%
Health Sciences	69,443	14,664	21.1%	54,779	78.9%
Mathematics and Computer Sciences	37,699	5,376	14.3%	32,323	85.7%
Physical and Earth Sciences	12,314	7,245	58.8%	5,072	41.2%
Public Administration and Services	29,269	1,123	3.8%	28,146	96.2%
Social and Behavioral Sciences	41,661	11,618	27.9%	30,026	72.1%
Other Fields	37,525	2,864	7.6%	34,669	92.4%

\* 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 2018**

Broad Field	Doctoral				Master's/Other *			
	Men	Women	Men	Women	Men	Women	Men	Women
<b>Total</b>	<b>38,252</b>	<b>45.6%</b>	<b>45,703</b>	<b>54.4%</b>	<b>179,096</b>	<b>40.3%</b>	<b>264,901</b>	<b>59.7%</b>
Arts and Humanities	2,513	45.7%	2,983	54.3%	8,676	40.8%	12,593	59.2%
Biological and Agricultural Sciences	3,854	43.8%	4,953	56.2%	6,515	41.1%	9,345	58.9%
Business	1,333	54.5%	1,113	45.5%	44,639	53.6%	38,704	46.4%
Education	2,810	31.1%	6,229	68.9%	16,370	23.4%	53,472	76.6%
Engineering	7,410	72.0%	2,884	28.0%	24,613	73.3%	8,979	26.7%
Health Sciences	4,057	27.7%	10,607	72.3%	11,112	20.3%	43,667	79.7%
Mathematics and Computer Sciences	3,696	71.2%	1,492	28.8%	20,832	64.6%	11,415	35.4%
Physical and Earth Sciences	4,504	62.2%	2,741	37.8%	2,746	54.2%	2,324	45.8%
Public Administration and Services	328	31.9%	700	68.1%	5,807	20.7%	22,203	79.3%
Social and Behavioral Sciences	3,884	36.3%	6,820	63.7%	10,244	35.5%	18,634	64.5%
Other Fields	1,236	45.7%	1,466	54.3%	12,793	37.0%	21,829	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 2018**

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>533,974</b>	<b>424,276</b>	<b>80.2%</b>	<b>104,826</b>	<b>19.8%</b>
Institution Type					
Public	332,391	271,969	82.0%	59,501	18.0%
Private, not-for-profit	180,290	137,473	75.5%	44,611	24.5%
Private, for-profit	S	S		S	
Carnegie Classification *					
Doctoral: Highest Research	247,580	176,964	70.5%	74,148	29.5%
Doctoral: Higher Research	82,683	68,453	82.8%	14,202	17.2%
Doctoral: Moderate Research	70,274	57,649	90.3%	6,199	9.7%
Master's Colleges and Universities	116,147	106,619	93.3%	7,685	6.7%
Other	17,290	14,591	84.9%	2,592	15.1%

\* See page 20-21 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 2018**

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>533,974</b>	<b>424,276</b>	<b>80.2%</b>	<b>104,826</b>	<b>19.8%</b>
Arts and Humanities	26,795	21,874	81.7%	4,912	18.3%
Biological and Agricultural Sciences	24,670	19,878	80.7%	4,742	19.3%
Business	88,558	68,584	79.3%	17,935	20.7%
Education	82,234	76,393	96.1%	3,087	3.9%
Engineering	43,559	21,454	49.0%	22,317	51.0%
Health Sciences	69,443	65,828	95.1%	3,395	4.9%
Mathematics and Computer Sciences	37,699	16,636	44.4%	20,854	55.6%
Physical and Earth Sciences	12,314	8,712	70.9%	3,583	29.1%
Public Administration and Services	29,269	27,851	95.8%	1,225	4.2%
Social and Behavioral Sciences	41,661	33,749	83.4%	6,697	16.6%
Other Fields	37,525	30,372	81.3%	7,008	18.7%

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 2018**

Citizenship and Race/Ethnicity	Total	Men		Women	
<b>Total</b>	<b>533,974</b>	<b>215,406</b>	<b>41.0%</b>	<b>309,613</b>	<b>59.0%</b>
U.S. Citizens and Permanent Residents	424,276	158,255	37.6%	262,407	62.4%
Hispanic/Latino	49,472	17,745	36.0%	31,554	64.0%
<i>Non-Hispanic:</i>					
American Indian/Alaska Native	2,037	656	32.7%	1,349	67.3%
Asian	32,088	14,094	44.0%	17,934	56.0%
Black/African American	50,275	15,223	31.1%	33,782	68.9%
Native Hawaiian/ Other Pacific Islander	803	302	38.5%	482	61.5%
White	253,232	96,575	38.3%	155,378	61.7%
Two or More Races	13,388	4,903	37.0%	8,334	63.0%
Race/Ethnicity Unknown	24,164	9,093	38.6%	14,441	61.4%
Temporary Residents	104,826	58,040	55.4%	46,749	44.6%
Citizenship Unknown	6,210	504	49.0%	524	51.0%

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 page 20 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 2018  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/ African American	
<b>Total</b>	<b>49,472</b>	<b>11.6%</b>	<b>2,037</b>	<b>0.5%</b>	<b>32,088</b>	<b>7.5%</b>	<b>50,275</b>	<b>11.8%</b>
Arts and Humanities	2,609	11.9%	102	0.5%	1,101	5.0%	1,435	6.6%
Biological and Agricultural Sciences	2,133	10.7%	80	0.4%	2,168	10.9%	1,411	7.1%
Business	7,268	10.6%	298	0.4%	6,447	9.4%	8,512	12.4%
Education	9,913	12.9%	380	0.5%	2,878	3.7%	9,989	13.0%
Engineering	2,394	11.2%	58	0.3%	3,113	14.5%	1,258	5.9%
Health Sciences	5,740	8.7%	298	0.5%	5,439	8.3%	7,371	11.2%
Mathematics and Computer Sciences	1,619	9.7%	37	0.2%	2,970	17.9%	1,683	10.1%
Physical and Earth Sciences	897	10.3%	21	0.2%	622	7.1%	374	4.3%
Public Administration and Services	4,501	16.1%	226	0.8%	1,043	3.7%	5,022	18.0%
Social and Behavioral Sciences	4,775	14.1%	213	0.6%	1,935	5.7%	4,284	12.7%
Other Fields	3,869	12.7%	238	0.8%	1,636	5.4%	3,617	11.9%

Broad Field	Native Hawaiian/ Other Pacific Islander		White		Two or More Races		Race/ Ethnicity Unknown	
<b>Total</b>	<b>803</b>	<b>0.2%</b>	<b>253,232</b>	<b>59.5%</b>	<b>13,388</b>	<b>3.1%</b>	<b>24,164</b>	<b>5.7%</b>
Arts and Humanities	34	0.2%	14,610	66.8%	864	3.9%	1,119	5.1%
Biological and Agricultural Sciences	31	0.2%	12,455	62.6%	760	3.8%	843	4.2%
Business	162	0.2%	39,738	57.8%	1,924	2.8%	4,360	6.3%
Education	178	0.2%	47,523	61.7%	2,135	2.8%	4,020	5.2%
Engineering	30	0.1%	12,945	60.3%	764	3.6%	892	4.2%
Health Sciences	158	0.2%	40,826	61.9%	1,887	2.9%	4,196	6.4%
Mathematics and Computer Sciences	32	0.2%	8,788	52.8%	593	3.6%	914	5.5%
Physical and Earth Sciences	12	0.1%	6,162	70.7%	290	3.3%	334	3.8%
Public Administration and Services	44	0.2%	14,676	52.6%	824	3.0%	1,560	5.6%
Social and Behavioral Sciences	58	0.2%	19,404	57.4%	1,345	4.0%	1,804	5.3%
Other Fields	47	0.2%	18,229	60.0%	1,003	3.3%	1,733	5.7%

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 page 20 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 2018**

Carnegie Classification and Institution Type *	Total	Men		Women		Full-Time		Part-Time	
<b>Total</b>	<b>1,869,845</b>	<b>775,372</b>	<b>41.8%</b>	<b>1,081,775</b>	<b>58.2%</b>	<b>1,065,528</b>	<b>57.0%</b>	<b>802,473</b>	<b>43.0%</b>
<i>Public</i>	1,143,586	488,568	42.7%	655,018	57.3%	642,831	56.3%	499,590	43.7%
<i>Private, not-for-profit</i>	604,159	246,057	40.9%	356,116	59.1%	367,563	60.9%	235,917	39.1%
<i>Private, for-profit</i>	122,100	40,747	36.6%	70,641	63.4%	55,134	45.2%	66,966	54.8%
Doctoral: Highest Research	825,013	399,670	48.4%	425,343	51.6%	575,372	69.7%	249,641	30.3%
<i>Public</i>	592,008	284,641	48.1%	307,367	51.9%	396,571	67.0%	195,437	33.0%
<i>Private, not-for-profit</i>	233,005	115,029	49.4%	117,976	50.6%	178,801	76.7%	54,204	23.3%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: Higher Research	295,776	122,148	41.3%	173,628	58.7%	156,132	52.8%	139,644	47.2%
<i>Public</i>	207,780	85,069	40.9%	122,711	59.1%	104,825	50.4%	102,955	49.6%
<i>Private, not-for-profit</i>	87,996	37,079	42.1%	50,917	57.9%	51,307	58.3%	36,689	41.7%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: Moderate Research	235,889	71,877	31.9%	153,300	68.1%	112,145	47.5%	123,744	52.5%
<i>Public</i>	85,887	29,233	34.0%	56,654	66.0%	34,505	40.2%	51,382	59.8%
<i>Private, not-for-profit</i>	90,054	31,492	35.0%	58,562	65.0%	47,172	52.4%	42,882	47.6%
<i>Private, for-profit</i>	S	S		S		S		S	
Master's Colleges and Universities	430,221	153,342	35.8%	274,934	64.2%	168,030	39.2%	260,347	60.8%
<i>Public</i>	236,945	82,191	34.7%	154,754	65.3%	92,392	39.2%	143,388	60.8%
<i>Private, not-for-profit</i>	161,149	51,446	32.3%	107,758	67.7%	74,302	46.3%	86,168	53.7%
<i>Private, for-profit</i>	S	S		S		S		S	
Other	82,946	28,335	34.2%	54,570	65.8%	53,849	64.9%	29,097	35.1%
<i>Public</i>	20,966	7,434	35.5%	13,532	64.5%	14,538	69.3%	6,428	30.7%
<i>Private, not-for-profit</i>	31,955	11,011	34.5%	20,903	65.5%	15,981	50.0%	15,974	50.0%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	

\* See page 20-21 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 2018**

Broad Field	Total	Men		Women		Full-Time		Part-Time	
<b>Total</b>	<b>1,869,845</b>	<b>775,372</b>	<b>41.8%</b>	<b>1,081,775</b>	<b>58.2%</b>	<b>1,065,528</b>	<b>57.0%</b>	<b>802,473</b>	<b>43.0%</b>
Arts and Humanities	99,380	43,355	43.6%	56,016	56.4%	68,381	68.8%	30,999	31.2%
Biological and Agricultural Sciences	97,410	43,386	44.5%	54,003	55.5%	74,459	76.4%	22,951	23.6%
Business	272,222	143,407	53.9%	122,739	46.1%	131,458	48.8%	138,048	51.2%
Education	300,134	73,324	24.8%	221,866	75.2%	111,084	37.1%	188,175	62.9%
Engineering	158,583	117,663	74.2%	40,909	25.8%	112,415	70.9%	46,168	29.1%
Health Sciences	248,116	54,319	21.9%	193,797	78.1%	145,211	58.5%	102,905	41.5%
Mathematics and Computer Sciences	119,767	80,639	67.9%	38,139	32.1%	72,945	61.3%	46,143	38.7%
Physical and Earth Sciences	54,916	33,915	61.8%	20,997	38.2%	46,221	84.2%	8,695	15.8%
Public Administration and Services	85,375	18,933	22.2%	66,275	77.8%	53,094	62.2%	32,281	37.8%
Social and Behavioral Sciences	141,381	50,423	36.5%	87,907	63.5%	95,555	67.9%	45,147	32.1%
Other Fields	119,916	48,707	40.7%	70,945	59.3%	61,417	51.2%	58,499	48.8%

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 2018**

Broad Field	Men				Women			
	Full-Time		Part-Time		Full-Time		Part-Time	
<b>Total</b>	<b>464,278</b>	<b>59.9%</b>	<b>310,618</b>	<b>40.1%</b>	<b>595,844</b>	<b>55.1%</b>	<b>485,242</b>	<b>44.9%</b>
Arts and Humanities	29,963	69.1%	13,381	30.9%	38,405	68.6%	17,585	31.4%
Biological and Agricultural Sciences	33,310	76.8%	10,076	23.2%	41,141	76.2%	12,862	23.8%
Business	70,796	49.4%	72,609	50.6%	59,175	48.2%	63,564	51.8%
Education	27,751	37.9%	45,543	62.1%	81,187	36.6%	140,513	63.4%
Engineering	82,210	69.9%	35,453	30.1%	30,194	73.8%	10,715	26.2%
Health Sciences	35,569	65.5%	18,750	34.5%	109,642	56.6%	84,155	43.4%
Mathematics and Computer Sciences	48,137	59.7%	32,492	40.3%	24,667	64.7%	13,469	35.3%
Physical and Earth Sciences	28,747	84.8%	5,168	15.2%	17,470	83.2%	3,527	16.8%
Public Administration and Services	10,519	55.6%	8,414	44.4%	42,505	64.1%	23,770	35.9%
Social and Behavioral Sciences	34,626	68.7%	15,768	31.3%	60,152	68.4%	27,734	31.6%
Other Fields	24,660	50.6%	24,047	49.4%	36,629	51.6%	34,314	48.4%

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.15: Total Graduate Enrollment by Broad Field and Degree Level, Fall 2018**

Broad Field	Total	Doctoral		Master's/Other *	
<b>Total</b>	<b>1,869,845</b>	<b>488,650</b>	<b>26.1%</b>	<b>1,380,864</b>	<b>73.9%</b>
Arts and Humanities	99,380	37,291	37.3%	62,653	62.7%
Biological and Agricultural Sciences	97,410	52,741	54.2%	44,648	45.8%
Business	272,222	16,446	6.0%	255,682	94.0%
Education	300,134	63,312	21.1%	236,389	78.9%
Engineering	158,583	65,080	40.8%	94,496	59.2%
Health Sciences	248,116	66,207	26.7%	181,880	73.3%
Mathematics and Computer Sciences	119,767	27,692	23.1%	91,993	76.9%
Physical and Earth Sciences	54,916	40,445	73.6%	14,481	26.4%
Public Administration and Services	85,375	6,430	7.5%	78,872	92.5%
Social and Behavioral Sciences	141,381	59,873	42.4%	81,326	57.6%
Other Fields	119,916	16,384	13.7%	103,297	86.3%

\* 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: CBS/GRE Survey of Graduate Enrollment and Degrees

**Table B.16: Total Graduate Enrollment by Degree Level, Gender, and Broad Field, Fall 2018**

Broad Field	Doctoral				Master's/Other *			
	Men		Women		Men		Women	
<b>Total</b>	<b>229,689</b>	<b>47.7%</b>	<b>251,344</b>	<b>52.3%</b>	<b>545,727</b>	<b>39.7%</b>	<b>829,935</b>	<b>60.3%</b>
Arts and Humanities	17,429	46.7%	19,862	53.3%	26,068	41.7%	36,493	58.3%
Biological and Agricultural Sciences	24,549	46.5%	28,192	53.5%	18,830	42.2%	25,797	57.8%
Business	7,338	53.5%	6,366	46.5%	135,966	53.9%	116,303	46.1%
Education	18,908	31.5%	41,030	68.5%	54,189	23.1%	180,046	76.9%
Engineering	48,280	74.2%	16,800	25.8%	70,115	74.2%	24,370	25.8%
Health Sciences	18,942	28.6%	47,265	71.4%	35,348	19.5%	146,371	80.5%
Mathematics and Computer Sciences	19,919	72.7%	7,467	27.3%	60,652	66.4%	30,646	33.6%
Physical and Earth Sciences	25,997	64.3%	14,448	35.7%	7,929	54.8%	6,548	45.2%
Public Administration and Services	2,031	32.2%	4,280	67.8%	16,834	21.4%	61,662	78.6%
Social and Behavioral Sciences	22,477	38.4%	36,115	61.6%	27,825	35.0%	51,566	65.0%
Other Fields	7,642	47.3%	8,527	52.7%	40,958	39.7%	62,288	60.3%

\* 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: CBS/GRE Survey of Graduate Enrollment and Degrees

**Table B.17: Total Graduate Enrollment by Institution Type, Carnegie Classification, and Citizenship, Fall 2018**

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>1,869,845</b>	<b>1,520,522</b>	<b>82.0%</b>	<b>333,983</b>	<b>18.0%</b>
Institution Type					
Public	1,143,586	933,661	81.8%	207,089	18.2%
Private, not-for-profit	604,159	477,014	79.4%	123,577	20.6%
Private, for-profit	122,100	109,847	97.1%	3,317	2.9%
Carnegie Classification *					
Doctoral: Highest Research	825,013	593,228	72.0%	231,110	28.0%
Doctoral: Higher Research	295,776	247,099	83.2%	49,730	16.8%
Doctoral: Moderate Research	235,889	205,478	91.6%	18,950	8.4%
Master's Colleges and Universities	430,221	400,400	94.0%	25,548	6.0%
Other	82,946	74,317	89.6%	8,645	10.4%

\* See page 3 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.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.18: Total Graduate Enrollment by Broad Field and Citizenship, Fall 2018**

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>1,869,845</b>	<b>1,520,522</b>	<b>82.0%</b>	<b>333,983</b>	<b>18.0%</b>
Arts and Humanities	99,380	82,558	82.8%	17,194	17.2%
Biological and Agricultural Sciences	97,410	76,739	78.9%	20,579	21.1%
Business	272,222	223,130	83.9%	42,902	16.1%
Education	300,134	281,596	96.3%	10,770	3.7%
Engineering	158,583	77,692	48.8%	81,350	51.2%
Health Sciences	248,116	234,652	95.2%	11,947	4.8%
Mathematics and Computer Sciences	119,767	59,167	49.9%	59,523	50.1%
Physical and Earth Sciences	54,916	36,795	67.1%	18,037	32.9%
Public Administration and Services	85,375	81,675	96.3%	3,170	3.7%
Social and Behavioral Sciences	141,381	116,875	84.4%	21,637	15.6%
Other Fields	119,916	101,727	85.2%	17,697	14.8%

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 2018**

Citizenship and Race/Ethnicity	Total	Men		Women	
<b>Total</b>	<b>1,869,845</b>	<b>775,372</b>	<b>41.8%</b>	<b>1,081,775</b>	<b>58.2%</b>
U.S. Citizens and Permanent Residents	1,520,522	580,756	38.3%	935,933	61.7%
Hispanic/Latino	165,663	60,728	36.7%	104,754	63.3%
<i>Non-Hispanic:</i>					
American Indian/Alaska Native	7,469	2,528	34.0%	4,907	66.0%
Asian	103,784	46,089	44.4%	57,632	55.6%
Black/African American	190,224	57,660	30.5%	131,250	69.5%
Native Hawaiian/ Other Pacific Islander	3,060	1,192	39.2%	1,847	60.8%
White	919,319	361,602	39.4%	556,335	60.6%
Two or More Races	44,319	16,638	37.7%	27,522	62.3%
Race/Ethnicity Unknown	89,905	35,280	39.5%	53,946	60.5%
Temporary Residents	333,983	192,371	57.6%	141,566	42.4%
Citizenship Unknown	10,745	1,732	44.7%	2,139	55.3%

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 page 20 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 2018  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/ African American	
<b>Total</b>	<b>165,663</b>	<b>10.9%</b>	<b>7,469</b>	<b>0.5%</b>	<b>103,784</b>	<b>6.8%</b>	<b>190,224</b>	<b>12.5%</b>
Arts and Humanities	9,174	11.1%	427	0.5%	3,742	4.5%	4,814	5.8%
Biological and Agricultural Sciences	7,475	9.7%	332	0.4%	7,234	9.4%	4,611	6.0%
Business	22,840	10.2%	920	0.4%	19,249	8.6%	31,850	14.3%
Education	33,501	11.8%	1,573	0.6%	9,378	3.3%	38,333	13.5%
Engineering	7,873	10.1%	235	0.3%	10,300	13.3%	4,350	5.6%
Health Sciences	19,073	8.1%	1,065	0.5%	18,450	7.9%	28,095	12.0%
Mathematics and Computer Sciences	5,304	9.0%	137	0.2%	9,354	15.8%	6,141	10.4%
Physical and Earth Sciences	3,355	9.1%	132	0.4%	2,580	7.0%	1,366	3.7%
Public Administration and Services	12,070	14.8%	632	0.8%	2,659	3.3%	16,681	20.4%
Social and Behavioral Sciences	14,863	12.7%	736	0.6%	6,367	5.4%	15,360	13.1%
Other Fields	11,638	11.4%	704	0.7%	4,902	4.8%	11,795	11.6%

Broad Field	Native Hawaiian/ Other Pacific Islander		White		Two or More Races		Race/ Ethnicity Unknown	
<b>Total</b>	<b>3,060</b>	<b>0.2%</b>	<b>919,319</b>	<b>60.3%</b>	<b>44,319</b>	<b>2.9%</b>	<b>89,905</b>	<b>5.9%</b>
Arts and Humanities	136	0.2%	56,600	68.6%	2,978	3.6%	4,687	5.7%
Biological and Agricultural Sciences	114	0.1%	50,814	66.2%	2,714	3.5%	3,448	4.5%
Business	754	0.3%	127,472	57.1%	5,801	2.6%	14,541	6.5%
Education	639	0.2%	179,576	63.4%	6,997	2.5%	13,308	4.7%
Engineering	117	0.2%	48,726	62.7%	2,565	3.3%	3,526	4.5%
Health Sciences	520	0.2%	147,300	62.7%	6,189	2.6%	14,160	6.0%
Mathematics and Computer Sciences	122	0.2%	32,745	55.3%	1,969	3.3%	3,395	5.7%
Physical and Earth Sciences	47	0.1%	26,497	72.0%	1,216	3.3%	1,602	4.4%
Public Administration and Services	175	0.2%	43,055	52.6%	2,409	2.9%	4,107	5.0%
Social and Behavioral Sciences	224	0.2%	68,587	58.6%	4,318	3.7%	6,585	5.6%
Other Fields	204	0.2%	63,536	62.5%	3,060	3.0%	5,888	5.8%

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 page 20 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, 2017-18**

Carnegie Classification and Institution Type *	Doctoral Degrees		Master's Degrees		Certificates	
<b>Total</b>	<b>79,720</b>	<b>100.0%</b>	<b>593,428</b>	<b>100.0%</b>	<b>42,223</b>	<b>100.0%</b>
<i>Public</i>	51,175	64.2%	353,376	59.5%	26,166	62.0%
<i>Private, not-for-profit</i>	25,094	31.5%	205,548	34.6%	14,219	33.7%
<i>Private, for-profit</i>	3,451	4.3%	34,504	5.8%	1,838	4.4%
Doctoral: Highest Research	48,864	61.3%	250,702	42.2%	14,851	35.2%
<i>Public</i>	36,321	74.3%	174,405	69.6%	10,073	67.8%
<i>Private, not-for-profit</i>	12,543	25.7%	76,297	30.4%	4,778	32.2%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral: Higher Research	12,885	16.2%	93,350	15.7%	8,239	19.5%
<i>Public</i>	8,536	66.2%	62,673	67.1%	5,867	71.2%
<i>Private, not-for-profit</i>	4,349	33.8%	30,677	32.9%	2,372	28.8%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral: Moderate Research	7,503	9.4%	68,514	11.5%	4,886	11.6%
<i>Public</i>	1,980	26.4%	28,449	41.5%	2,238	45.8%
<i>Private, not-for-profit</i>	2,789	37.2%	29,798	43.5%	1,835	37.6%
<i>Private, for-profit</i>	S		S		S	
Master's Colleges and Universities	6,164	7.7%	156,101	26.3%	12,062	28.6%
<i>Public</i>	2,576	41.8%	83,115	53.2%	7,464	61.9%
<i>Private, not-for-profit</i>	3,588	58.2%	59,790	38.3%	4,598	38.1%
<i>Private, for-profit</i>	S		S		S	
Other	4,304	5.4%	24,761	4.2%	2,185	5.2%
<i>Public</i>	1,762	40.9%	4,734	19.1%	524	24.0%
<i>Private, not-for-profit</i>	1,825	42.4%	8,986	36.3%	636	29.1%
<i>Private, for-profit</i>	N/A		N/A		N/A	

\* See page 20-21 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, 2017-18**

Broad Field	Doctoral Degrees		Master's Degrees		Certificates	
<b>Total</b>	<b>79,720</b>	<b>100.0%</b>	<b>593,428</b>	<b>100.0%</b>	<b>42,223</b>	<b>100.0%</b>
Arts and Humanities	5,450	7.3%	25,586	4.8%	911	2.3%
Biological and Agricultural Sciences	8,687	11.7%	19,159	3.6%	1,045	2.6%
Business	2,363	3.2%	113,003	21.3%	5,813	14.7%
Education	9,413	12.7%	100,079	18.9%	13,346	33.8%
Engineering	10,014	13.5%	48,887	9.2%	1,956	5.0%
Health Sciences	15,436	20.8%	66,526	12.5%	5,609	14.2%
Mathematics and Computer Sciences	3,467	4.7%	39,301	7.4%	1,874	4.8%
Physical and Earth Sciences	5,897	7.9%	7,891	1.5%	391	1.0%
Public Administration and Services	1,303	1.8%	32,242	6.1%	963	2.4%
Social and Behavioral Sciences	9,335	12.6%	36,132	6.8%	2,862	7.3%
Other Fields	2,814	3.8%	41,483	7.8%	4,672	11.8%

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, 2017-18**

Broad Field	Total	Men		Women	
<b>Total</b>	<b>42,223</b>	<b>14,765</b>	<b>35.2%</b>	<b>27,230</b>	<b>64.8%</b>
Arts and Humanities	911	310	34.2%	597	65.8%
Biological and Agricultural Sciences	1,045	419	40.2%	622	59.8%
Business	5,813	2,742	48.5%	2,912	51.5%
Education	13,346	2,926	22.0%	10,360	78.0%
Engineering	1,956	1,439	73.6%	517	26.4%
Health Sciences	5,609	1,172	21.0%	4,412	79.0%
Mathematics and Computer Sciences	1,874	1,184	63.3%	687	36.7%
Physical and Earth Sciences	391	247	63.2%	144	36.8%
Public Administration and Services	963	259	27.3%	688	72.7%
Social and Behavioral Sciences	2,862	1,009	35.8%	1,809	64.2%
Other Fields	4,672	1,529	32.9%	3,124	67.1%

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, 2017-18**

Broad Field	Total	Men		Women	
<b>Total</b>	<b>593,428</b>	<b>245,713</b>	<b>41.7%</b>	<b>343,795</b>	<b>58.3%</b>
Arts and Humanities	25,586	10,720	42.1%	14,747	57.9%
Biological and Agricultural Sciences	19,159	8,134	42.9%	10,824	57.1%
Business	113,003	61,858	55.2%	50,231	44.8%
Education	100,079	22,778	22.9%	76,711	77.1%
Engineering	48,887	36,176	74.0%	12,688	26.0%
Health Sciences	66,526	13,249	20.0%	53,111	80.0%
Mathematics and Computer Sciences	39,301	25,708	65.5%	13,513	34.5%
Physical and Earth Sciences	7,891	4,604	58.5%	3,271	41.5%
Public Administration and Services	32,242	6,925	21.7%	25,050	78.3%
Social and Behavioral Sciences	36,132	13,408	37.3%	22,493	62.7%
Other Fields	41,483	17,001	41.2%	24,274	58.8%

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.25: Doctoral Degrees Awarded by Broad Field and Gender, 2017-18**

Broad Field	Total	Men		Women	
<b>Total</b>	<b>79,720</b>	<b>37,039</b>	<b>47.0%</b>	<b>41,791</b>	<b>53.0%</b>
Arts and Humanities	5,450	2,553	47.5%	2,827	52.5%
Biological and Agricultural Sciences	8,687	4,014	47.5%	4,439	52.5%
Business	2,363	1,216	53.2%	1,068	46.8%
Education	9,413	2,877	31.4%	6,298	68.6%
Engineering	10,014	7,507	75.2%	2,474	24.8%
Health Sciences	15,436	4,466	29.0%	10,936	71.0%
Mathematics and Computer Sciences	3,467	2,570	74.8%	867	25.2%
Physical and Earth Sciences	5,897	3,802	64.8%	2,062	35.2%
Public Administration and Services	1,303	303	23.6%	979	76.4%
Social and Behavioral Sciences	9,335	3,505	37.9%	5,747	62.1%
Other Fields	2,814	1,386	49.7%	1,401	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. See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees



## APPENDIX C

# Data Tables for Trends in Graduate Applications, First-Time Enrollment, Total Enrollment, and Degrees Conferred, 2008 to 2018

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**Table C.1: Applications for Admission to Graduate School by Institution Type, Carnegie Classification, and Degree Level, 2008 to 2018**

Institution Type, Carnegie Classification, and Degree Level	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>2.2%</b>	<b>1.5%</b>	<b>3.9%</b>
Institution Type			
<i>Public</i>	-0.7%	0.4%	3.0%
<i>Private, not-for-profit</i>	7.0%	3.6%	5.7%
<i>Private, for-profit</i>	S	N/A	N/A
Carnegie Classification *			
<i>Doctoral: Highest Research</i>	1.7%	1.9%	4.3%
<i>Doctoral: Higher Research</i>	-1.1%	-1.8%	2.0%
<i>Doctoral: Moderate Research</i>	1.6%	0.8%	2.3%
<i>Master's Colleges and Universities</i>	8.0%	3.5%	4.6%
<i>Other</i>	11.5%	4.8%	5.7%
Degree Level			
<i>Doctoral</i>	4.1%	0.6%	2.5%
<i>Master's/Other **</i>	1.4%	2.0%	4.8%

\* See page 20-21 for information about the Carnegie Classification system.

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

Notes: Five- and ten-year trend data are unavailable for applications by level. 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, 2008 to 2018**

Broad Field	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>2.2%</b>	<b>1.5%</b>	<b>3.9%</b>
Arts and Humanities	0.4%	-2.9%	-0.5%
Biological and Agricultural Sciences	2.0%	0.6%	3.4%
Business	-4.0%	1.6%	2.4%
Education	1.5%	-0.4%	0.7%
Engineering	-6.9%	-1.3%	3.6%
Health Sciences	-1.0%	1.8%	9.6%
Mathematics and Computer Sciences	8.3%	11.4%	16.3%
Physical and Earth Sciences	-0.2%	1.1%	2.9%
Public Administration and Services	0.3%	-0.7%	3.1%
Social and Behavioral Sciences	4.3%	-0.5%	1.6%
Other Fields	2.7%	-0.8%	1.7%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.3: Applications for Admission to Graduate School by Broad Field and Degree Level, 2013 to 2018**

Broad Field	Doctoral		Master's/Other *	
	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018
<b>Total</b>	<b>4.1%</b>	<b>0.6%</b>	<b>1.4%</b>	<b>2.0%</b>
Arts and Humanities	0.4%	-2.9%	0.4%	-2.8%
Biological and Agricultural Sciences	3.8%	0.6%	-0.7%	0.7%
Business	-1.6%	1.4%	-4.2%	1.6%
Education	4.0%	0.0%	1.0%	-0.5%
Engineering	-0.8%	0.5%	-10.0%	-2.2%
Health Sciences	-6.2%	1.6%	1.1%	1.9%
Mathematics and Computer Sciences	18.6%	7.1%	5.4%	13.1%
Physical and Earth Sciences	0.3%	2.4%	-2.6%	-3.6%
Public Administration and Services	12.9%	0.7%	-0.4%	-0.8%
Social and Behavioral Sciences	0.9%	-1.1%	9.3%	0.5%
Other Fields	9.0%	-2.2%	1.5%	-0.5%

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

Notes: See Appendix D for the survey taxonomy. Ten-year trend data are unavailable for applications by level.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.4: First-Time Graduate Enrollment by Institution Type and Carnegie Classification, 2008 to 2018**

Carnegie Classification and Institution Type *	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>2.1%</b>	<b>2.4%</b>	<b>2.0%</b>
<i>Public</i>	2.4%	2.6%	1.8%
<i>Private, not-for-profit</i>	1.4%	2.1%	2.3%
<i>Private, for-profit</i>	S	N/A	N/A
Doctoral: Highest Research	0.6%	3.6%	3.4%
<i>Public</i>	0.5%	3.5%	2.8%
<i>Private, not-for-profit</i>	1.0%	3.9%	5.1%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral: Higher Research	0.5%	0.1%	0.3%
<i>Public</i>	0.7%	0.4%	0.2%
<i>Private, not-for-profit</i>	0.1%	-0.7%	0.4%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral: Moderate Research	6.2%	1.6%	-0.7%
<i>Public</i>	7.2%	1.2%	-0.9%
<i>Private, not-for-profit</i>	5.2%	2.1%	-0.6%
<i>Private, for-profit</i>	S	N/A	N/A
Master's Colleges and Universities	4.7%	1.6%	1.3%
<i>Public</i>	9.0%	2.1%	1.5%
<i>Private, not-for-profit</i>	-2.3%	0.8%	1.1%
<i>Private, for-profit</i>	N/A	N/A	N/A
Other	10.5%	2.5%	3.2%
<i>Public</i>	4.7%	7.7%	5.2%
<i>Private, not-for-profit</i>	15.5%	-0.6%	1.8%
<i>Private, for-profit</i>	N/A	N/A	N/A

\* See page 20-21 for information about the Carnegie Classification system.

Notes: 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, 2008 to 2018**

Citizenship and Race/Ethnicity	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>2.1%</b>	<b>2.4%</b>	<b>2.0%</b>
U.S. Citizens and Permanent Residents	2.8%	2.7%	1.8%
<i>American Indian/Alaska Native</i>	8.3%	0.5%	-2.4%
<i>Asian/Pacific Islander *</i>	6.2%	5.9%	4.5%
<i>Black/African American</i>	3.5%	4.4%	3.4%
<i>Hispanic/Latino</i>	6.8%	9.4%	7.5%
<i>White</i>	1.5%	1.1%	0.6%
Temporary Residents	-1.3%	2.3%	4.9%
Other/Unknown **	5.3%	1.5%	-1.0%

\* Includes Asians and Native Hawaiians/Other Pacific Islanders

\*\* 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.

Note: See page 20 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, 2008 to 2018**

Citizenship and Race/Ethnicity	% Change, 2017 to 2018	Men		Women		
		Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>-0.2%</b>	<b>1.4%</b>	<b>1.8%</b>	<b>3.7%</b>	<b>3.2%</b>	<b>2.1%</b>
U.S. Citizens and Permanent Residents	0.6%	1.7%	1.7%	4.3%	3.3%	1.8%
<i>American Indian/Alaska Native</i>	5.0%	-1.4%	-3.1%	9.7%	1.6%	-2.1%
<i>Asian/Pacific Islander *</i>	4.5%	5.0%	4.1%	8.1%	6.8%	4.9%
<i>Black/African American</i>	2.3%	4.0%	4.1%	4.1%	4.5%	3.1%
<i>Hispanic/Latino</i>	3.7%	8.1%	8.2%	8.5%	10.2%	7.2%
<i>White</i>	-0.8%	0.2%	0.5%	3.0%	1.8%	0.7%
Temporary Residents	-2.7%	1.6%	4.1%	0.1%	3.2%	6.1%
Other/Unknown **	3.3%	-0.3%	-1.8%	6.0%	2.7%	-0.3%

\* Includes Asians and Native Hawaiians/Other Pacific Islanders

\*\* 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.

Note: See page 20 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, 2008 to 2018**

Broad Field	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>2.1%</b>	<b>2.4%</b>	<b>2.0%</b>
Arts and Humanities	-0.3%	-2.0%	-1.3%
Biological and Agricultural Sciences	2.8%	3.4%	3.2%
Business	1.7%	3.4%	2.7%
Education	3.2%	0.7%	-1.3%
Engineering	-4.6%	0.0%	2.4%
Health Sciences	3.3%	4.3%	6.0%
Mathematics and Computer Sciences	4.3%	8.9%	11.0%
Physical and Earth Sciences	0.5%	0.9%	0.9%
Public Administration and Services	-1.6%	0.9%	2.2%
Social and Behavioral Sciences	2.7%	0.4%	0.5%
Other Fields	0.9%	2.0%	-0.3%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.8: First-Time Graduate Enrollment by Broad Field and Attendance Status, 2008 to 2018**

Broad Field	% Change, 2017 to 2018	Full-Time		Part-Time		
		Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>1.2%</b>	<b>1.9%</b>	<b>2.9%</b>	<b>4.2%</b>	<b>3.4%</b>	<b>0.2%</b>
Arts and Humanities	-0.1%	-1.7%	-0.9%	-1.1%	-3.2%	-2.8%
Biological and Agricultural Sciences	1.8%	3.4%	3.0%	8.7%	2.1%	3.6%
Business	0.7%	2.7%	2.9%	3.7%	6.4%	2.3%
Education	2.2%	-0.4%	-0.2%	4.2%	1.8%	-2.1%
Engineering	-6.0%	-0.1%	2.8%	2.2%	0.5%	0.6%
Health Sciences	2.3%	4.4%	6.2%	5.5%	3.7%	5.1%
Mathematics and Computer Sciences	5.9%	7.9%	11.3%	-0.5%	12.7%	10.3%
Physical and Earth Sciences	-0.1%	1.1%	1.3%	6.2%	-0.1%	-1.8%
Public Administration and Services	-2.0%	0.9%	3.1%	-0.6%	1.2%	0.4%
Social and Behavioral Sciences	1.7%	0.3%	0.9%	6.6%	0.7%	-1.1%
Other Fields	3.0%	1.8%	1.0%	-3.2%	2.3%	-2.5%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.9: First-Time Graduate Enrollment by Broad Field and Citizenship, 2008 to 2018**

Broad Field	U.S. Citizens and Permanent Residents			Temporary Residents		
	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>2.8%</b>	<b>2.7%</b>	<b>1.8%</b>	<b>-1.3%</b>	<b>2.3%</b>	<b>4.9%</b>
Arts and Humanities	-0.3%	-2.3%	-1.6%	3.7%	1.4%	3.4%
Biological and Agricultural Sciences	2.9%	3.7%	3.9%	1.4%	2.5%	1.5%
Business	1.7%	5.2%	3.1%	0.1%	-0.8%	2.6%
Education	3.2%	1.0%	-1.1%	1.1%	-1.1%	1.0%
Engineering	0.1%	2.0%	2.3%	-8.3%	-1.3%	2.9%
Health Sciences	2.8%	4.2%	6.3%	2.7%	2.2%	2.2%
Mathematics and Computer Sciences	6.0%	10.8%	8.9%	3.2%	8.2%	14.0%
Physical and Earth Sciences	3.2%	1.5%	1.9%	-2.9%	0.6%	0.6%
Public Administration and Services	-2.8%	0.8%	2.6%	4.7%	-1.0%	2.4%
Social and Behavioral Sciences	2.9%	0.1%	0.1%	5.0%	3.0%	4.2%
Other Fields	0.8%	1.8%	-1.1%	0.4%	3.0%	6.3%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.10: First-Time Graduate Enrollment by Broad Field and Race/Ethnicity, 2008 to 2018  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	% Change, '17 – '18	Avg. Annual % Change, '13 – '18	Avg. Annual % Change, '08 – '18	% Change, '17 – '18	Avg. Annual % Change, '13 – '18	Avg. Annual % Change, '08 – '18	% Change, '17 – '18	Avg. Annual % Change, '13 – '18	Avg. Annual % Change, '08 – '18
	<b>American Indian/Alaska Native</b>			<b>Asian/Pacific Islander *</b>			<b>Black/African American</b>		
<b>Total</b>	<b>8.3%</b>	<b>0.5%</b>	<b>-2.4%</b>	<b>6.2%</b>	<b>5.9%</b>	<b>4.5%</b>	<b>3.5%</b>	<b>4.4%</b>	<b>3.4%</b>
Arts & Humanities	16.4%	-4.1%	-4.5%	2.8%	-2.1%	-0.5%	0.9%	2.0%	1.9%
Bio. & Agric. Sci.	4.8%	0.3%	-3.6%	1.4%	7.6%	7.6%	-1.0%	8.4%	7.9%
Business	45.3%	6.6%	-0.8%	4.7%	5.7%	3.3%	-0.2%	8.7%	5.7%
Education	-1.8%	-1.6%	-4.0%	6.3%	3.4%	1.9%	6.6%	2.7%	0.6%
Engineering	9.5%	1.4%	-2.9%	2.1%	3.0%	2.5%	3.0%	4.0%	2.6%
Health Sciences	-4.1%	1.7%	1.0%	3.3%	7.3%	8.7%	3.5%	5.1%	8.3%
Math & Comp. Sci.	40.0%	6.3%	-0.8%	13.2%	21.4%	19.0%	8.2%	12.3%	11.7%
Physical & Earth Sci.	-37.5%	-11.8%	-6.9%	14.6%	5.1%	3.1%	12.5%	2.4%	0.6%
Public Admin. & Svcs.	4.1%	1.6%	-1.7%	5.8%	2.8%	2.3%	-8.2%	1.2%	1.9%
Social & Behav. Sci.	10.4%	3.9%	-3.0%	8.4%	1.9%	1.3%	-2.7%	2.4%	1.2%
Other Fields	20.3%	13.1%	-2.0%	0.8%	4.2%	0.4%	6.7%	4.8%	3.2%
	<b>Hispanic/Latino</b>			<b>White</b>					
<b>Total</b>	<b>6.8%</b>	<b>9.4%</b>	<b>7.5%</b>	<b>1.5%</b>	<b>1.1%</b>	<b>0.6%</b>			
Arts & Humanities	-1.5%	2.8%	2.8%	-0.5%	-3.3%	-2.3%			
Bio. & Agric. Sci.	10.2%	13.1%	18.6%	2.4%	1.8%	2.3%			
Business	8.2%	12.0%	8.0%	0.2%	3.7%	2.2%			
Education	8.3%	6.8%	2.0%	1.3%	-0.3%	-2.0%			
Engineering	3.9%	8.8%	10.7%	-1.3%	0.8%	1.5%			
Health Sciences	3.4%	13.2%	17.2%	2.6%	2.8%	4.9%			
Math & Comp. Sci.	14.2%	18.4%	14.3%	1.9%	7.1%	6.0%			
Physical & Earth Sci.	9.9%	14.7%	11.3%	1.1%	0.1%	1.2%			
Public Admin. & Svcs.	4.7%	6.2%	11.7%	-3.9%	-0.7%	1.3%			
Social & Behav. Sci.	5.3%	4.8%	3.1%	2.7%	-1.2%	-0.6%			
Other Fields	5.9%	12.5%	8.3%	-1.4%	-0.4%	-2.5%			

\* Includes Asians and Native Hawaiians/Other Pacific Islanders

Notes: See Appendix D for the survey taxonomy. See page 20 for a description of each race/ethnicity category.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.11: First-Time Graduate Enrollment by Broad Field and Gender, 2008 to 2018**

Broad Field	Men			Women		
	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>-0.2%</b>	<b>1.4%</b>	<b>1.8%</b>	<b>3.7%</b>	<b>3.2%</b>	<b>2.1%</b>
Arts and Humanities	0.2%	-2.4%	-1.2%	-0.7%	-1.7%	-1.4%
Biological and Agricultural Sciences	-0.3%	1.3%	2.3%	5.3%	5.2%	4.0%
Business	0.1%	2.3%	1.8%	3.8%	5.1%	4.0%
Education	1.2%	-0.5%	-1.6%	3.9%	1.1%	-1.2%
Engineering	-5.3%	-0.5%	1.7%	-2.8%	1.6%	4.7%
Health Sciences	1.6%	3.3%	6.5%	3.8%	4.6%	5.9%
Mathematics and Computer Sciences	2.7%	7.7%	9.7%	7.3%	11.6%	14.1%
Physical and Earth Sciences	-0.4%	-0.4%	0.8%	1.6%	3.2%	1.2%
Public Administration and Services	-3.0%	-0.3%	1.1%	-1.2%	1.3%	2.5%
Social and Behavioral Sciences	1.9%	-0.9%	0.0%	3.2%	1.4%	0.7%
Other Fields	-1.5%	0.6%	-0.6%	2.4%	3.0%	-0.1%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.12: Doctorate-Level First-Time Enrollment by Broad Field and Gender, 2013 to 2018**

Broad Field	% Change, 2017 to 2018			Average Annual % Change, 2013 to 2018		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>2.9%</b>	<b>-0.2%</b>	<b>5.5%</b>	<b>2.3%</b>	<b>0.8%</b>	<b>3.9%</b>
Arts and Humanities	0.0%	-1.0%	0.6%	-1.2%	-2.0%	-0.4%
Biological and Agricultural Sciences	3.4%	-1.4%	7.6%	3.1%	1.0%	5.0%
Business	-2.1%	-1.5%	-2.8%	2.8%	0.9%	6.0%
Education	4.8%	3.1%	5.6%	3.8%	2.0%	4.8%
Engineering	-1.2%	-2.3%	1.7%	2.3%	1.5%	4.8%
Health Sciences	2.2%	-4.8%	4.7%	6.4%	4.0%	7.1%
Mathematics and Computer Sciences	7.4%	5.2%	11.2%	3.6%	2.6%	6.5%
Physical and Earth Sciences	-1.9%	-3.6%	0.3%	1.5%	0.0%	4.5%
Public Administration and Services	9.7%	-2.2%	16.3%	1.9%	-0.5%	3.2%
Social and Behavioral Sciences	-4.9%	-7.4%	-3.2%	-0.7%	-2.0%	0.4%
Other Fields	1.5%	1.7%	1.3%	0.1%	-1.1%	1.1%

Notes: See Appendix D for the survey taxonomy. Ten-year trend data are unavailable for first-time graduate enrollment by level.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.13: Master's-Level First-Time Enrollment by Broad Field and Gender, 2013 to 2018 \***

Broad Field	% Change, 2017 to 2018			Average Annual % Change, 2013 to 2018		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>2.0%</b>	<b>-0.2%</b>	<b>3.4%</b>	<b>2.5%</b>	<b>1.7%</b>	<b>3.1%</b>
Arts and Humanities	-0.4%	0.6%	-1.0%	-2.3%	-2.6%	-2.0%
Biological and Agricultural Sciences	2.4%	0.4%	4.1%	3.6%	1.4%	5.3%
Business	1.8%	0.2%	4.0%	3.5%	2.3%	5.0%
Education	3.0%	0.7%	3.6%	0.3%	-0.9%	0.7%
Engineering	-5.7%	-6.2%	-4.3%	-0.6%	-1.1%	0.7%
Health Sciences	3.7%	4.0%	3.6%	3.7%	3.0%	3.9%
Mathematics and Computer Sciences	3.8%	2.3%	6.8%	10.1%	9.0%	12.6%
Physical and Earth Sciences	4.7%	5.8%	3.4%	0.0%	-1.1%	1.5%
Public Administration and Services	-2.2%	-3.8%	-1.8%	0.8%	-0.6%	1.1%
Social and Behavioral Sciences	5.2%	5.4%	5.0%	0.8%	-0.5%	1.7%
Other Fields	0.9%	-1.8%	2.5%	2.2%	0.7%	3.1%

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

Notes: See Appendix D for the survey taxonomy. Ten-year trend data are unavailable for first-time graduate enrollment by level.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.14: Total Graduate Enrollment by Institution Type and Carnegie Classification, 2008 to 2018**

Carnegie Classification and Institution Type *	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>1.5%</b>	<b>0.8%</b>	<b>0.7%</b>
<i>Public</i>	1.3%	1.5%	1.1%
<i>Private, not-for-profit</i>	2.4%	1.0%	1.4%
<i>Private, for-profit</i>	-8.5%	S	S
<b>Doctoral: Highest Research</b>	1.9%	2.4%	2.2%
<i>Public</i>	1.3%	2.2%	1.8%
<i>Private, not-for-profit</i>	3.4%	3.1%	3.6%
<i>Private, for-profit</i>	N/A	N/A	N/A
<b>Doctoral: Higher Research</b>	-0.9%	-0.5%	0.1%
<i>Public</i>	-0.7%	0.1%	0.4%
<i>Private, not-for-profit</i>	-1.3%	-1.9%	-0.7%
<i>Private, for-profit</i>	N/A	N/A	N/A
<b>Doctoral: Moderate Research</b>	1.3%	0.5%	0.0%
<i>Public</i>	0.7%	0.5%	0.2%
<i>Private, not-for-profit</i>	1.9%	0.5%	-0.2%
<i>Private, for-profit</i>	S	S	S
<b>Master's Colleges and Universities</b>	1.5%	0.7%	0.0%
<i>Public</i>	3.7%	0.8%	-0.1%
<i>Private, not-for-profit</i>	-1.9%	0.4%	0.2%
<i>Private, for-profit</i>	S	S	S
<b>Other</b>	7.9%	-7.2%	-4.2%
<i>Public</i>	4.5%	3.6%	3.6%
<i>Private, not-for-profit</i>	28.5%	-3.8%	2.9%
<i>Private, for-profit</i>	N/A	N/A	N/A

\* See page 20-21 for information about the Carnegie Classification system.

Notes: 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, 2008 to 2018**

Citizenship and Race/Ethnicity	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>1.5%</b>	<b>0.8%</b>	<b>0.7%</b>
U.S. Citizens and Permanent Residents	2.3%	0.6%	0.5%
<i>American Indian/Alaska Native</i>	1.2%	-2.2%	-3.0%
<i>Asian/Pacific Islander *</i>	6.1%	3.8%	3.0%
<i>Black/African American</i>	1.1%	0.5%	0.4%
<i>Hispanic/Latino</i>	7.3%	6.1%	6.6%
<i>White</i>	1.2%	-0.4%	-0.3%
Temporary Residents	-1.7%	2.8%	3.6%
Other/Unknown **	2.7%	-1.8%	-2.0%

\* Includes Asians and Native Hawaiians/Other Pacific Islanders

\*\* 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.

Note: See page 20 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, 2008 to 2018**

Citizenship and Race/Ethnicity	% Change, 2017 to 2018	Men		Women		
		Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>0.0%</b>	<b>0.5%</b>	<b>0.9%</b>	<b>2.6%</b>	<b>1.1%</b>	<b>0.7%</b>
U.S. Citizens and Permanent Residents	1.3%	0.1%	0.6%	3.0%	1.0%	0.4%
<i>American Indian/Alaska Native</i>	-3.0%	-3.4%	-3.4%	3.5%	-1.5%	-2.7%
<i>Asian/Pacific Islander *</i>	5.7%	3.3%	2.8%	6.6%	4.2%	3.1%
<i>Black/African American</i>	1.3%	1.1%	1.5%	1.1%	0.2%	-0.1%
<i>Hispanic/Latino</i>	6.0%	5.4%	6.7%	7.9%	6.6%	6.4%
<i>White</i>	0.0%	-1.0%	-0.3%	2.1%	0.0%	-0.3%
Temporary Residents	-2.7%	2.8%	3.3%	-0.6%	2.9%	4.1%
Other/Unknown **	-0.5%	-3.0%	-2.6%	4.3%	-1.0%	-1.6%

\* Includes Asians and Native Hawaiians/Other Pacific Islanders

\*\* 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.

Note: See page 20 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, 2008 to 2018**

Broad Field	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>1.5%</b>	<b>0.8%</b>	<b>0.7%</b>
Arts and Humanities	-2.4%	-2.7%	-1.7%
Biological and Agricultural Sciences	2.6%	1.5%	1.9%
Business	2.9%	2.1%	1.6%
Education	0.6%	-0.4%	-1.6%
Engineering	-2.3%	1.1%	2.5%
Health Sciences	2.9%	3.7%	6.4%
Mathematics and Computer Sciences	4.4%	9.1%	8.1%
Physical and Earth Sciences	0.3%	0.4%	0.8%
Public Administration and Services	1.8%	1.3%	1.9%
Social and Behavioral Sciences	0.8%	-1.0%	-0.2%
Other Fields	1.0%	1.0%	-0.8%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.18: Total Graduate Enrollment by Broad Field and Attendance Status, 2008 to 2018**

Broad Field	% Change, 2017 to 2018	Full-Time		Part-Time		
		Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>0.7%</b>	<b>0.5%</b>	<b>1.2%</b>	<b>2.8%</b>	<b>1.2%</b>	<b>0.0%</b>
Arts and Humanities	-2.2%	-2.0%	-1.2%	-2.9%	-4.4%	-3.0%
Biological and Agricultural Sciences	2.4%	1.4%	1.7%	3.3%	1.2%	2.1%
Business	1.2%	2.1%	1.8%	4.8%	2.8%	1.5%
Education	-0.8%	-1.1%	-0.8%	1.5%	0.1%	-2.0%
Engineering	-3.2%	1.0%	2.9%	0.2%	1.1%	1.4%
Health Sciences	2.3%	4.5%	6.7%	3.8%	2.5%	5.8%
Mathematics and Computer Sciences	1.6%	7.0%	7.8%	9.8%	13.6%	8.7%
Physical and Earth Sciences	0.3%	0.8%	1.3%	0.2%	-1.6%	-1.6%
Public Administration and Services	1.2%	1.1%	3.1%	2.8%	1.8%	0.1%
Social and Behavioral Sciences	0.8%	-0.6%	0.4%	0.7%	-1.9%	-1.5%
Other Fields	2.7%	0.8%	0.5%	-1.1%	1.0%	-2.1%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.19: Total Graduate Enrollment by Broad Field and Citizenship, 2008 to 2018**

Broad Field	U.S. Citizens and Permanent Residents			Temporary Residents		
	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>2.3%</b>	<b>0.6%</b>	<b>0.5%</b>	<b>-1.7%</b>	<b>2.8%</b>	<b>3.6%</b>
Arts and Humanities	-2.8%	-3.3%	-2.1%	0.1%	2.0%	1.9%
Biological and Agricultural Sciences	3.0%	2.0%	2.4%	2.1%	0.3%	0.9%
Business	4.2%	3.3%	2.0%	-1.3%	-0.9%	1.9%
Education	0.8%	-0.2%	-1.5%	-3.1%	-1.6%	0.0%
Engineering	1.6%	0.5%	1.8%	-5.3%	1.9%	3.8%
Health Sciences	2.7%	3.6%	6.7%	-0.1%	1.5%	1.6%
Mathematics and Computer Sciences	10.2%	7.9%	6.2%	0.4%	10.7%	11.4%
Physical and Earth Sciences	0.7%	0.5%	1.2%	0.6%	0.8%	1.1%
Public Administration and Services	1.0%	1.3%	2.3%	4.1%	-1.7%	1.0%
Social and Behavioral Sciences	0.4%	-1.4%	-0.4%	3.4%	1.8%	2.3%
Other Fields	1.6%	0.5%	-1.3%	-0.3%	3.9%	5.2%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.20: Total Graduate Enrollment by Broad Field and Race/Ethnicity, 2008 to 2018  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	% Change, '17 – '18	Avg. Annual % Change, '13 – '18	Avg. Annual % Change, '08 – '18	% Change, '17 – '18	Avg. Annual % Change, '13 – '18	Avg. Annual % Change, '08 – '18	% Change, '17 – '18	Avg. Annual % Change, '13 – '18	Avg. Annual % Change, '08 – '18
	<b>American Indian/Alaska Native</b>			<b>Asian/Pacific Islander *</b>			<b>Black/African American</b>		
<b>Total</b>	<b>1.2%</b>	<b>-2.2%</b>	<b>-3.0%</b>	<b>6.1%</b>	<b>3.8%</b>	<b>3.0%</b>	<b>1.1%</b>	<b>0.5%</b>	<b>0.4%</b>
Arts & Humanities	-8.4%	-5.3%	-4.9%	-0.3%	-3.0%	-1.0%	-2.5%	0.2%	-0.3%
Bio. & Agric. Sci.	-1.1%	-0.6%	-2.7%	4.9%	5.0%	3.8%	3.0%	4.4%	3.6%
Business	15.0%	-0.4%	-2.2%	5.1%	3.8%	1.7%	0.8%	5.3%	4.1%
Education	1.8%	-2.7%	-4.2%	3.8%	1.8%	1.1%	1.0%	-0.1%	-1.0%
Engineering	1.7%	-0.3%	-3.3%	2.7%	1.4%	1.5%	-0.4%	0.5%	1.2%
Health Sciences	-0.9%	-0.2%	1.2%	3.0%	6.2%	9.7%	4.5%	4.8%	8.7%
Math & Comp. Sci.	6.1%	-0.2%	-2.5%	17.6%	19.0%	12.5%	8.7%	8.8%	8.3%
Physical & Earth Sci.	-12.1%	-4.1%	-4.0%	3.1%	3.0%	3.2%	2.0%	0.7%	0.1%
Public Adm. & Svcs.	-1.7%	-0.5%	-0.9%	2.3%	1.9%	1.7%	0.0%	2.0%	1.9%
Social & Behav. Sci.	-4.1%	-5.0%	-3.9%	5.2%	0.4%	0.4%	0.6%	0.5%	0.6%
Other Fields	9.6%	9.0%	-2.8%	5.9%	2.8%	0.6%	-0.5%	2.3%	1.6%
	<b>Hispanic/Latino</b>			<b>White</b>					
<b>Total</b>	<b>7.3%</b>	<b>6.1%</b>	<b>6.6%</b>	<b>1.2%</b>	<b>-0.4%</b>	<b>-0.3%</b>			
Arts & Humanities	0.2%	1.3%	2.7%	-3.5%	-4.1%	-2.7%			
Bio. & Agric. Sci.	10.6%	10.5%	13.0%	1.7%	0.6%	1.4%			
Business	10.4%	8.6%	8.9%	3.5%	2.2%	1.0%			
Education	3.9%	4.6%	3.4%	0.0%	-1.1%	-2.2%			
Engineering	6.7%	5.3%	9.4%	0.7%	-0.2%	1.2%			
Health Sciences	6.9%	12.8%	20.2%	1.9%	2.3%	5.3%			
Math & Comp. Sci.	15.9%	13.0%	14.7%	7.5%	5.0%	4.0%			
Physical & Earth Sci.	7.5%	9.9%	10.1%	-0.3%	-0.4%	0.6%			
Public Adm. & Svcs.	6.4%	7.6%	11.5%	-0.1%	-0.2%	1.1%			
Social & Behav. Sci.	5.5%	2.7%	4.1%	-1.1%	-2.5%	-1.2%			
Other Fields	7.4%	9.4%	7.9%	0.6%	-1.1%	-2.5%			

\* Includes Asians and Native Hawaiians/Other Pacific Islanders

Notes: See Appendix D for the survey taxonomy. See page 20 for a description of each race/ethnicity category.

Source: CBS/GRE Survey of Graduate Enrollment and Degrees

**Table C.21: Total Graduate Enrollment by Broad Field and Gender, 2008 to 2018**

Broad Field	Men			Women		
	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018	% Change, 2017 to 2018	Average Annual % Change, 2013 to 2018	Average Annual % Change, 2008 to 2018
<b>Total</b>	<b>0.0%</b>	<b>0.5%</b>	<b>0.9%</b>	<b>2.6%</b>	<b>1.1%</b>	<b>0.7%</b>
Arts and Humanities	-2.8%	-3.0%	-1.7%	-2.1%	-2.5%	-1.8%
Biological and Agricultural Sciences	0.3%	0.4%	1.4%	4.5%	2.4%	2.3%
Business	2.1%	1.3%	0.9%	4.0%	3.3%	2.6%
Education	-0.8%	-1.4%	-1.8%	1.0%	0.0%	-1.5%
Engineering	-3.1%	0.6%	2.0%	0.1%	2.7%	4.3%
Health Sciences	1.0%	3.5%	7.3%	3.4%	3.8%	6.2%
Mathematics and Computer Sciences	4.2%	8.2%	7.4%	4.8%	11.1%	9.8%
Physical and Earth Sciences	-0.6%	-0.1%	0.8%	1.7%	1.3%	1.0%
Public Administration and Services	-1.1%	-0.2%	0.3%	2.6%	1.8%	2.4%
Social and Behavioral Sciences	-1.2%	-2.1%	-0.5%	2.0%	-0.2%	0.0%
Other Fields	-1.0%	0.1%	-0.7%	2.3%	1.6%	-0.8%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.22: Doctorate-Level Total Enrollment by Broad Field and Gender, 2013 to 2018**

Broad Field	% Change, 2017 to 2018			Average Annual % Change, 2013 to 2018		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>2.3%</b>	<b>1.0%</b>	<b>3.5%</b>	<b>0.7%</b>	<b>0.3%</b>	<b>1.2%</b>
Arts and Humanities	-2.4%	-3.3%	-1.6%	-2.2%	-2.2%	-2.1%
Biological and Agricultural Sciences	2.5%	0.0%	4.9%	1.1%	0.4%	1.8%
Business	2.0%	1.1%	3.1%	1.8%	1.1%	2.7%
Education	1.7%	0.4%	2.4%	0.3%	-0.3%	0.6%
Engineering	2.2%	1.2%	5.1%	2.1%	1.5%	4.1%
Health Sciences	2.2%	-2.5%	4.1%	5.4%	4.5%	5.7%
Mathematics and Computer Sciences	4.0%	3.1%	6.5%	2.3%	1.8%	3.8%
Physical and Earth Sciences	0.2%	-0.9%	2.2%	1.2%	0.6%	2.4%
Public Administration and Services	6.5%	1.5%	9.0%	0.8%	-2.2%	2.4%
Social and Behavioral Sciences	-1.2%	-3.0%	0.1%	-1.0%	-1.8%	-0.4%
Other Fields	2.4%	1.4%	3.4%	-0.7%	-1.3%	-0.3%

Notes: See Appendix D for the survey taxonomy. Ten-year trend data are unavailable for total graduate enrollment by level.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.23: Master's-Level Total Enrollment by Broad Field and Gender, 2013 to 2018 \*

Broad Field	% Change, 2017 to 2018			Average Annual % Change, 2013 to 2018		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>1.3%</b>	<b>-0.3%</b>	<b>2.4%</b>	<b>0.9%</b>	<b>0.6%</b>	<b>1.0%</b>
Arts and Humanities	-0.9%	-1.2%	-0.6%	-3.1%	-3.5%	-2.8%
Biological and Agricultural Sciences	2.7%	0.9%	4.1%	2.0%	0.5%	3.2%
Business	3.0%	2.3%	4.0%	2.2%	1.3%	3.3%
Education	0.3%	-1.3%	0.7%	-0.6%	-1.7%	-0.2%
Engineering	-5.4%	-6.1%	-3.4%	0.3%	-0.1%	1.6%
Health Sciences	3.2%	3.0%	3.3%	3.1%	2.9%	3.2%
Mathematics and Computer Sciences	4.5%	4.6%	4.3%	12.3%	11.5%	13.9%
Physical and Earth Sciences	0.5%	0.5%	0.6%	-2.0%	-2.6%	-1.3%
Public Administration and Services	1.6%	-1.2%	2.4%	1.4%	-0.1%	1.7%
Social and Behavioral Sciences	2.1%	0.2%	3.3%	-0.9%	-2.3%	-0.1%
Other Fields	0.7%	-1.6%	2.1%	1.3%	0.4%	1.9%

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

Notes: See Appendix D for the survey taxonomy. Ten-year trend data are unavailable for total graduate enrollment by level.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

Table C.24: Graduate Degrees and Certificates Awarded by Degree Level and Institution Type, 2007-08 to 2017-18

Degree Level and Institution Type	% Change, '16-17 to '17-18	Average Annual % Change, '12-13 to '17-18	Average Annual % Change, '07-08 to '17-18
<b>Doctoral Degrees</b>	<b>-0.6%</b>	<b>1.9%</b>	<b>3.6%</b>
Public	-1.5%	2.2%	3.4%
Private, not-for-profit	1.5%	1.6%	4.0%
Private, for-profit	S	S	S
<b>Master's Degrees</b>	<b>-1.4%</b>	<b>1.2%</b>	<b>2.0%</b>
Public	-2.2%	2.1%	2.7%
Private, not-for-profit	1.6%	1.4%	2.6%
Private, for-profit	S	S	S
<b>Graduate-Level Certificates</b>	<b>8.9%</b>	<b>2.7%</b>	<b>N/A</b>
Public	12.6%	7.9%	N/A
Private, not-for-profit	2.7%	-2.7%	N/A
Private, for-profit	S	S	N/A

Notes: N/A = Not available. S = Suppressed due to small number of institutional respondents in this category. Ten-year trend data are unavailable for graduate-level certificates.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.25: Graduate Degrees and Certificates Awarded by Degree Level and Carnegie Classification, 2007-08 to 2017-18**

Degree Level and Carnegie Classification *	% Change, '16-17 to '17-18	Average Annual % Change, '12-13 to '17-18	Average Annual % Change, '07-08 to '17-18
<b>Doctoral Degrees</b>	<b>-0.6%</b>	<b>1.9%</b>	<b>3.6%</b>
<i>Doctoral: Highest Research</i>	-0.4%	1.5%	2.3%
<i>Doctoral: Higher Research</i>	-5.8%	2.4%	3.8%
<i>Doctoral: Moderate Research</i>	-0.1%	2.5%	9.6%
<i>Master's Colleges and Universities</i>	9.5%	8.8%	29.2%
<i>Other</i>	1.8%	-0.4%	8.6%
<b>Master's Degrees</b>	<b>-1.4%</b>	<b>1.2%</b>	<b>2.0%</b>
<i>Doctoral: Highest Research</i>	-0.3%	3.7%	4.3%
<i>Doctoral: Higher Research</i>	-1.3%	-0.3%	1.6%
<i>Doctoral: Moderate Research</i>	0.1%	0.6%	1.4%
<i>Master's Colleges and Universities</i>	-3.0%	1.2%	0.9%
<i>Other</i>	-12.3%	-9.9%	-5.0%
<b>Graduate-Level Certificates</b>	<b>8.9%</b>	<b>2.7%</b>	<b>N/A</b>
<i>Doctoral: Highest Research</i>	6.2%	5.4%	N/A
<i>Doctoral: Higher Research</i>	9.0%	1.1%	N/A
<i>Doctoral: Moderate Research</i>	18.6%	7.0%	N/A
<i>Master's Colleges and Universities</i>	12.5%	1.3%	N/A
<i>Other</i>	-0.1%	-6.1%	N/A

\* See page 20-21 for information about the Carnegie Classification system.

Notes: N/A = Not available. Ten-year trend data are unavailable for graduate-level certificates.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.26: Graduate Degrees and Certificates Awarded by Degree Level, Institution Type, and Gender, 2007-08 to 2017-18**

Degree Level and Institution Type	Men			Women		
	% Change, '16-17 to '17-18	Average Annual % Change, '12-13 to '17-18	Average Annual % Change, '07-08 to '17-18	% Change, '16-17 to '17-18	Average Annual % Change, '12-13 to '17-18	Average Annual % Change, '07-08 to '17-18
<b>Doctoral Degrees</b>	<b>-0.6%</b>	<b>1.9%</b>	<b>2.7%</b>	<b>-0.7%</b>	<b>2.5%</b>	<b>4.5%</b>
<i>Public</i>	-1.5%	2.0%	2.6%	-1.4%	3.0%	4.2%
<i>Private, not-for-profit</i>	1.9%	1.8%	3.1%	0.9%	1.8%	5.0%
<i>Private, for-profit</i>	S	S	S	S	S	S
<b>Master's Degrees</b>	<b>-4.3%</b>	<b>1.5%</b>	<b>2.4%</b>	<b>0.5%</b>	<b>1.2%</b>	<b>1.8%</b>
<i>Public</i>	-5.7%	2.6%	3.4%	0.4%	2.0%	2.4%
<i>Private, not-for-profit</i>	-0.3%	1.0%	2.5%	2.7%	1.7%	2.6%
<i>Private, for-profit</i>	S	S	S	S	S	S
<b>Graduate-Level Certificates</b>	<b>5.2%</b>	<b>4.8%</b>	<b>N/A</b>	<b>11.1%</b>	<b>2.9%</b>	<b>N/A</b>
<i>Public</i>	10.4%	11.0%	N/A	14.0%	6.2%	N/A
<i>Private, not-for-profit</i>	-3.0%	-1.8%	N/A	6.3%	-0.8%	N/A
<i>Private, for-profit</i>	S	S	N/A	S	S	N/A

Notes: N/A = Not available. S = Suppressed due to small number of institutional respondents in this category. Ten-year trend data are unavailable for graduate-level certificates.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.27: Graduate Degrees and Certificates Awarded by Degree Level, Carnegie Classification, and Gender, 2007-08 to 2017-18**

Degree Level and Carnegie Classification *	Men			Women		
	% Change, '16-17 to '17-18	Average Annual % Change, '12-13 to '17-18	Average Annual % Change, '07-08 to '17-18	% Change, '16-17 to '17-18	Average Annual % Change, '12-13 to '17-18	Average Annual % Change, '07-08 to '17-18
<b>Doctoral Degrees</b>	<b>-0.6%</b>	<b>1.9%</b>	<b>2.7%</b>	<b>-0.7%</b>	<b>2.5%</b>	<b>4.5%</b>
<i>Doctoral: Highest Research</i>	0.0%	1.5%	1.9%	-1.0%	1.9%	2.7%
<i>Doctoral: Higher Research</i>	-5.4%	2.2%	2.7%	-6.8%	3.2%	4.9%
<i>Doctoral: Moderate Research</i>	-6.8%	2.3%	7.5%	3.8%	2.6%	10.5%
<i>Master's Colleges and Universities</i>	9.0%	10.1%	29.6%	9.8%	11.3%	28.6%
<i>Other</i>	3.5%	1.3%	6.9%	0.7%	-1.4%	9.9%
<b>Master's Degrees</b>	<b>-4.3%</b>	<b>1.5%</b>	<b>2.4%</b>	<b>0.5%</b>	<b>1.2%</b>	<b>1.8%</b>
<i>Doctoral: Highest Research</i>	-2.7%	3.6%	4.3%	2.0%	4.2%	4.4%
<i>Doctoral: Higher Research</i>	-4.8%	-0.3%	1.8%	0.6%	-0.3%	1.3%
<i>Doctoral: Moderate Research</i>	-4.9%	0.3%	2.0%	3.0%	0.8%	1.2%
<i>Master's Colleges and Universities</i>	-7.1%	1.3%	1.2%	-1.0%	1.0%	0.8%
<i>Other</i>	-12.7%	-9.3%	-5.3%	-12.1%	-10.2%	-5.1%
<b>Graduate-Level Certificates</b>	<b>5.2%</b>	<b>4.8%</b>	<b>N/A</b>	<b>11.1%</b>	<b>2.9%</b>	<b>N/A</b>
<i>Doctoral: Highest Research</i>	5.3%	8.0%	N/A	6.7%	3.7%	N/A
<i>Doctoral: Higher Research</i>	8.2%	9.5%	N/A	10.0%	0.1%	N/A
<i>Doctoral: Moderate Research</i>	-0.8%	9.7%	N/A	28.4%	6.1%	N/A
<i>Master's Colleges and Universities</i>	4.6%	2.1%	N/A	16.4%	4.6%	N/A
<i>Other</i>	4.6%	-9.2%	N/A	-2.6%	-3.2%	N/A

\* See page 20-21 for information about the Carnegie Classification system.

Notes: N/A = Not available. Ten-year trend data are unavailable for graduate-level certificates.

Source: CBS/GRE Survey of Graduate Enrollment and Degrees



**Table C.28: Graduate-Level Certificates Awarded by Broad Field and Gender, 2012-13 to 2017-18**

Broad Field	Total		Men		Women	
	% Change, 2016-17 to 2017-18	% Change, 2012-13 to 2017-18	% Change, 2016-17 to 2017-18	% Change, 2012-13 to 2017-18	% Change, 2016-17 to 2017-18	% Change, 2012-13 to 2017-18
<b>Total</b>	<b>8.9%</b>	<b>2.7%</b>	<b>5.2%</b>	<b>4.8%</b>	<b>11.1%</b>	<b>2.9%</b>
Arts and Humanities	-6.9%	-6.1%	-18.2%	-7.2%	-0.6%	-5.2%
Biological and Agricultural Sciences	14.8%	3.5%	12.8%	1.1%	18.0%	5.3%
Business	15.1%	9.4%	10.3%	12.2%	20.7%	13.4%
Education	13.9%	9.8%	17.0%	8.5%	15.3%	10.1%
Engineering	40.9%	2.2%	38.9%	0.0%	46.3%	8.5%
Health Sciences	5.0%	7.3%	1.7%	3.9%	5.8%	8.1%
Mathematics and Computer Sciences	-5.3%	19.4%	-5.3%	20.3%	-3.2%	17.8%
Physical and Earth Sciences	-22.7%	1.4%	-22.9%	1.8%	-22.5%	1.0%
Public Administration and Services	-10.2%	0.4%	-12.7%	2.9%	-7.5%	-1.1%
Social and Behavioral Sciences	5.6%	8.9%	1.5%	5.2%	8.3%	11.0%
Other Fields	21.5%	6.8%	7.3%	3.2%	31.6%	9.0%

Notes: See Appendix D for the survey taxonomy. Ten-year trend data are unavailable for graduate-level certificates.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.29: Master's Degrees Awarded by Broad Field and Gender, 2007-08 to 2017-18**

Broad Field	Total			Men			Women		
	% Change, '16/17 – '17/18	Avg. Annual % Change, '12/13 – '17/18	Avg. Annual % Change, '07/08 – '17/18	% Change, '16/17 – '17/18	Avg. Annual % Change, '12/13 – '17/18	Avg. Annual % Change, '07/08 – '17/18	% Change, '16/17 – '17/18	Avg. Annual % Change, '12/13 – '17/18	Avg. Annual % Change, '07/08 – '17/18
<b>Total</b>	<b>-1.4%</b>	<b>1.2%</b>	<b>2.0%</b>	<b>-4.3%</b>	<b>1.5%</b>	<b>2.4%</b>	<b>0.5%</b>	<b>1.2%</b>	<b>1.8%</b>
Arts & Humanities	0.1%	-2.9%	-0.8%	-3.5%	-3.2%	-0.8%	2.4%	-2.4%	-0.8%
Bio. & Agric. Sci.	2.4%	2.7%	5.1%	-0.8%	1.8%	5.1%	4.7%	4.0%	5.4%
Business	4.4%	1.8%	2.7%	1.8%	0.7%	1.9%	7.3%	3.3%	3.8%
Education	-0.5%	-1.6%	-1.6%	-1.9%	-2.1%	-1.9%	0.0%	-1.4%	-1.4%
Engineering	-4.7%	4.7%	5.4%	-5.5%	4.2%	5.1%	-2.1%	6.3%	6.5%
Health Sciences	3.0%	4.9%	7.8%	3.5%	5.2%	8.0%	3.0%	4.9%	7.7%
Math & Comp. Sci.	-5.3%	15.7%	11.2%	-7.5%	13.6%	10.3%	-1.1%	21.2%	13.5%
Physical & Earth Sci.	-2.4%	0.3%	1.2%	-0.9%	0.3%	1.5%	-4.5%	0.7%	0.9%
Public Adm. & Svcs.	1.1%	1.4%	2.7%	0.0%	0.7%	1.9%	1.2%	1.8%	3.0%
Social & Behav. Sci.	-0.3%	-0.7%	0.9%	-0.3%	-1.5%	0.9%	-0.4%	-0.2%	0.9%
Other Fields	2.3%	1.3%	2.1%	0.7%	1.1%	1.9%	3.3%	1.7%	2.3%

Note: See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.30: Doctoral Degrees Awarded by Broad Field and Gender, 2007-08 to 2017-18**

Broad Field	Total			Men			Women		
	% Change, '16/17 – '17/18	Avg. Annual % Change, '12/13 – '17/18	Avg. Annual % Change, '07/08 – '17/18	% Change, '16/17 – '17/18	Avg. Annual % Change, '12/13 – '17/18	Avg. Annual % Change, '07/08 – '17/18	% Change, '16/17 – '17/18	Avg. Annual % Change, '12/13 – '17/18	Avg. Annual % Change, '07/08 – '17/18
<b>Total</b>	<b>-0.6%</b>	<b>1.9%</b>	<b>3.6%</b>	<b>-0.6%</b>	<b>1.9%</b>	<b>2.7%</b>	<b>-0.7%</b>	<b>2.5%</b>	<b>4.5%</b>
Arts & Humanities	-1.7%	-1.5%	1.1%	0.0%	-1.4%	1.3%	-3.2%	-1.2%	0.8%
Bio. & Agric. Sci.	0.6%	0.4%	2.1%	0.6%	0.4%	1.3%	-0.1%	0.9%	2.8%
Business	2.1%	-3.0%	1.8%	8.5%	-2.0%	1.5%	-6.5%	-4.6%	2.0%
Education	-2.6%	0.6%	1.4%	-2.1%	0.4%	0.9%	-2.8%	1.2%	1.8%
Engineering	4.0%	2.4%	2.9%	1.8%	1.8%	2.4%	11.5%	4.5%	4.7%
Health Sciences	0.0%	9.1%	16.3%	-4.7%	10.4%	15.2%	2.0%	9.0%	16.6%
Math & Comp. Sci.	4.3%	0.1%	2.3%	4.1%	0.5%	2.3%	5.0%	-0.1%	2.2%
Physical & Earth Sci.	0.5%	2.1%	2.2%	-1.3%	2.2%	1.6%	4.0%	2.3%	3.7%
Public Admin. & Svcs.	0.7%	-1.2%	0.4%	-3.6%	-2.6%	-1.8%	1.4%	0.7%	1.8%
Social & Behav. Sci.	-1.9%	0.3%	1.4%	-4.9%	0.2%	1.0%	0.4%	0.9%	1.7%
Other Fields	7.2%	1.4%	2.1%	15.4%	1.0%	0.2%	1.4%	2.5%	4.6%

Note: See Appendix D for the survey taxonomy.

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 2018 Survey

Abilene Christian University  
Adelphi University  
Air Force Institute of Technology  
Alabama State University  
Alcorn State University  
Alfred University  
American University  
Anderson University  
Andrews University  
Angelo State University  
Appalachian State University  
Aquinas College  
Arizona State University  
Arkansas Tech University  
Auburn University  
Auburn University at Montgomery  
Aurora University  
Austin Peay State University  
Azusa Pacific University  
Baker University  
Ball State University  
Barry University  
Texas A&M University College of Dentistry  
Baylor College of Medicine  
Baylor University  
Bemidji State University  
Benedictine University  
Berry College  
Bethel University  
Bloomsburg University of Pennsylvania  
Boise State University  
Boston College  
Boston University  
Bowie State University  
Bradley University  
Brandeis University  
Brenau University  
Brigham Young University  
Brooklyn College – CUNY  
Brown University  
Bryant University  
Bryn Mawr College  
Bucknell University  
Buffalo State College  
Butler University  
Caldwell University  
California Institute of Integral Studies  
California Institute of Technology  
California Lutheran University  
California Polytechnic State University  
California State Polytechnic University – Pomona  
California State University – Bakersfield  
California State University – Chico  
California State University – Dominguez Hills  
California State University – East Bay  
California State University – Fresno  
California State University – Fullerton  
California State University – Los Angeles  
California State University – Sacramento  
California State University – San Marcos  
California State University – Stanislaus  
California University of Pennsylvania  
Cameron University  
Carlow University  
Carson-Newman University  
Case Western Reserve University

Catholic University of America  
 Central Connecticut State University  
 Central Washington University  
 Champlain College  
 Chapman University  
 Charleston Southern University  
 Chatham University  
 Chicago School of Professional Psychology  
 Christopher Newport University  
 Claremont Graduate University  
 Clark Atlanta University  
 Clarke University  
 Clemson University  
 Cleveland State University  
 College of Charleston  
 Mount St. Joseph University  
 The College of New Jersey  
 College of New Rochelle  
 College of Saint Rose  
 College of Staten Island – CUNY  
 College of William and Mary  
 Colorado School of Mines  
 Colorado State University  
 Columbia College  
 Columbia College Chicago  
 Columbia University  
 Concordia University  
 Cornell University  
 Creighton University  
 Dartmouth College  
 Davenport University  
 Delta State University  
 DePaul University  
 Dominican University  
 Drake University  
 Drew University  
 Drexel 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  
 Embry-Riddle Aeronautical University, Prescott  
 Emerson College  
 Emory University  
 Emporia State University  
 Fairleigh Dickinson University  
 Fayetteville State University  
 Ferris State 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  
 Fort Valley State University  
 Frostburg State University  
 Furman University  
 Gallaudet University  
 Gannon University  
 Gardner-Webb University  
 Geneva College  
 George Mason University  
 George Washington University  
 Georgetown University  
 Georgia College and State University  
 Augusta University  
 Georgia Institute of Technology  
 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  
Hebrew Union College – Jewish Institute  
of Religion  
Henderson State University  
Hofstra University  
Holy Family University  
Holy Names University  
Hood College  
Howard University  
Humboldt State University  
Hunter College  
Idaho State University  
Illinois Institute of Technology  
Illinois State University  
Immaculata University  
Indiana State University  
Indiana University  
Purdue University Fort Wayne  
Indiana University of Pennsylvania  
Indiana University – Purdue University,  
Indianapolis  
Inter American University of Puerto Rico  
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 of Applied Life Science

Keene State College  
Kennesaw State University  
Kent State University  
Kettering University  
Kutztown University of Pennsylvania  
La Salle University  
La Sierra University  
Lamar University  
Langston University  
Lehigh University  
Lesley University  
Lewis University  
Lincoln Memorial University  
Lipscomb University  
Lock Haven University of Pennsylvania  
Longwood University  
Loras College  
Louisiana State University and A & M College  
Louisiana State University Health Sciences Center  
Louisiana Tech University  
Loyola Marymount University  
Loyola University  
Loyola University Maryland  
Loyola University of Chicago  
Madonna University  
Maine Maritime Academy  
Marian University  
Marquette University  
Marshall University  
Marymount University  
Marywood University  
Massachusetts Institute of Technology  
Mayo Graduate School  
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  
 Miami University  
 Michigan State University  
 Michigan Technological University  
 Middlebury College  
 Millersville University of Pennsylvania  
 Minnesota State University – Moorhead  
 Misericordia University  
 Mississippi State University  
 Missouri State University  
 Missouri Western State University  
 Molloy College  
 Monmouth University  
 Montana State University  
 Montana Tech  
 Morgan State University  
 Mount Saint Mary's University  
 Murray State University  
 National-Louis University  
 Nazareth College  
 New Jersey City University  
 New Jersey Institute of Technology  
 New Mexico Highlands University  
 New Mexico Institute of Mining and Technology  
 New Mexico State University  
 The New School  
 New York Institute of Technology  
 New York Medical College  
 New York University  
 Newman University  
 Nicholls State University  
 North Carolina Agricultural &  
 Technical State University  
 North Carolina State University at Raleigh  
 North Central College  
 North Dakota State University  
 University of North Georgia  
 North Park University  
 Northeastern Illinois University  
 Northeastern State University  
 Northeastern University  
 Northern Arizona University  
 Northern Kentucky University  
 Northern State University  
 Northwest Nazarene University  
 Northwestern State University of Louisiana  
 Northwestern University  
 Notre Dame de Namur University  
 Nova Southeastern University  
 Oakland City University  
 Oakland University  
 Occidental College  
 The Ohio State University  
 Ohio University  
 Oklahoma State University  
 Old Dominion University  
 Oregon Health and Science University  
 Oregon State University  
 Our Lady of the Lake University  
 Pace University  
 Pacific Lutheran University  
 Pennsylvania State University  
 Piedmont College  
 Pittsburg State University  
 Plymouth State University  
 New York University Tanden School  
 of Engineering  
 Portland State University  
 Prairie View A & M University  
 Princeton University  
 Providence College  
 Purdue University  
 Quinnipiac University  
 Radford University  
 Regent University  
 Rensselaer at Hartford  
 Rensselaer Polytechnic Institute  
 Rhode Island College  
 Rhode Island School of Design

Rice University  
 Stockton University  
 Rider University  
 Rochester Institute of Technology  
 Rockefeller University  
 Rockhurst University  
 Rosalind Franklin University  
 Rose-Hulman Institute of Technology  
 Rowan University  
 Rutgers University – Camden  
 Rutgers University – New Brunswick  
 Rutgers University, School of Graduate Studies  
 Sacred Heart Seminary and School of Theology  
 Sacred Heart University  
 Sage Graduate School  
 Saint Ambrose University  
 Saint Bonaventure University  
 Saint Catherine University  
 Saint John Fisher College  
 Saint John's University  
 Saint Mary's College of California  
 Saint Mary's University of Minnesota  
 Saint Mary's University of San Antonio  
 Salem State University  
 Salisbury University  
 Salve Regina University  
 San Diego State University  
 San Francisco State University  
 San Jose State University  
 Santa Clara University  
 Savannah College of Art & Design  
 Seattle Pacific University  
 Seattle University  
 Shenandoah University  
 Shippensburg University  
 Siena Heights University  
 Simmons College  
 Slippery Rock University of Pennsylvania  
 South Carolina State University  
 South Dakota State University  
 Southeast Missouri State University  
 Southeastern Louisiana University  
 Southern Arkansas University  
 Southern Illinois University Carbondale  
 Southern Illinois University Edwardsville  
 Southern Methodist University  
 Southern University A & M College  
 Southern Utah University  
 UT Southwestern Graduate School of  
 Biomedical Sciences  
 Spalding University  
 Stanford University  
 State University of New York at Binghamton  
 State University of New York at Oswego  
 State University of New York at Brockport  
 State University of New York College at Cortland  
 State University of New York College at Fredonia  
 State University of New York College at New Paltz  
 State University of New York Environmental  
 Science & Forestry  
 State University of New York Polytechnic Institute  
 State University of New York Downstate  
 Medical Center  
 State University of New York Upstate  
 Medical University  
 Stephen F. Austin State University  
 Stetson University  
 Stevens Institute of Technology  
 Stony Brook University  
 Suffolk University  
 Syracuse University  
 Tarleton State University  
 Teachers College – Columbia University  
 Temple University  
 Tennessee State University  
 Tennessee Technological University  
 Texas A & M International University  
 Texas A & M University  
 Texas A & M University – Central Texas  
 Texas A & M University – Commerce  
 Texas A & M University – Corpus Christi

Texas A & M University – Kingsville	University of Central Oklahoma
Texas A & M University – Texarkana	University of Chicago
Texas Christian University	University of Cincinnati
Texas Southern University	University of Colorado at Boulder
Texas State University – San Marcos	University of Colorado at Colorado Springs
Texas Tech University	University of Colorado Denver
Texas Woman’s University	University of Connecticut
The Citadel	University of Dallas
Thomas Edison State University	University of Dayton
Towson University	University of Delaware
Trevecca Nazarene University	University of Denver
Troy University	University of Florida
Truman State University	University of Georgia
Tufts University	University of Hartford
Tulane University	University of Hawaii at Manoa
United States Sports Academy	University of Houston
University at Albany – State University of New York	University of Houston – Clear Lake
University at Buffalo – SUNY	University of Idaho
University of Akron	University of Illinois at Chicago
University of Alabama	University of Illinois at Springfield
University of Alabama at Birmingham	University of Illinois at Urbana-Champaign
University of Alabama in Huntsville	University of Indianapolis
University of Alaska Fairbanks	University of Iowa
University of Arizona	University of Kansas
University of Arkansas	University of Kentucky
University of Arkansas at Monticello	University of Louisiana at Lafayette
University of Arkansas for Medical Sciences	University of Louisiana at Monroe
University of California – Berkeley	University of Louisville
University of California – Davis	University of Lynchburg
University of California – Irvine	University of Maine
University of California – Los Angeles	University of Mary Hardin – Baylor
University of California – Merced	University of Maryland – Baltimore County
University of California – San Diego	University of Maryland – College Park
University of California – San Francisco	University of Maryland – Eastern Shore
University of California – Santa Barbara	University of Maryland at Baltimore
University of California – Santa Cruz	University of Massachusetts Amherst
University of Central Arkansas	University of Massachusetts Boston
University of Central Florida	University of Massachusetts Dartmouth
University of Central Missouri	University of Massachusetts Medical School
	University of Memphis

University of Miami  
 University of Michigan  
 University of Michigan-Flint  
 University of Minnesota  
 University of Mississippi  
 University of Mississippi Medical Center  
 University of Missouri – Columbia  
 University of Missouri – Kansas City  
 University of Missouri – St. Louis  
 University of Mobile  
 University of Montana  
 University of Montevallo  
 University of Nebraska at Kearney  
 University of Nebraska at Omaha  
 University of Nebraska Medical Center  
 University of Nebraska – Lincoln  
 University of Nevada – Reno  
 University of Nevada – Las Vegas  
 University of New England  
 University of New Hampshire  
 University of New Haven  
 University of New Mexico  
 University of New Orleans  
 University of North Alabama  
 University of North Carolina at Asheville  
 University of North Carolina at Chapel Hill  
 University of North Carolina at Charlotte  
 University of North Carolina at Pembroke  
 University of North Carolina at Wilmington  
 University of North Dakota  
 University of North Florida  
 University of North Texas  
 University of North Texas Health Science Center  
 at Fort Worth  
 University of Northern Colorado  
 University of Northern Iowa  
 University of Notre Dame  
 University of Oklahoma  
 University of Oklahoma Health Sciences Center  
 University of Oregon  
 University of Pennsylvania  
 University of Phoenix  
 University of Pittsburgh  
 University of Rhode Island  
 University of Rochester  
 University of Saint Thomas  
 University of San Diego  
 University of San Francisco  
 University of South Alabama  
 University of South Carolina  
 University of South Dakota  
 University of South Florida  
 University of South Florida – St. Petersburg  
 University of Southern California  
 University of Southern Maine  
 University of Southern Mississippi  
 University of St. Francis  
 University of Tennessee Knoxville  
 University of Tennessee at Chattanooga  
 University of Tennessee at Martin  
 University of Tennessee Health Science Center  
 University of Texas Rio Grande Valley  
 University of Texas at Arlington  
 University of Texas at Austin  
 University of Texas at Dallas  
 University of Texas at El Paso  
 University of Texas at San Antonio  
 University of Texas Health Science Center  
 at Houston  
 University of Texas Health Science Center at San  
 Antonio  
 University of Texas Grad School of Biomedical Sci  
 at Galveston  
 University of Texas of the Permian Basin  
 University of the Incarnate Word  
 University of the Pacific  
 University of the Sciences in Philadelphia  
 University of Toledo  
 University of Tulsa  
 University of Utah  
 University of Vermont

University of Virginia  
 University of Washington  
 University of West Alabama  
 University of West Florida  
 University of West Georgia  
 University of Wisconsin – Eau Claire  
 University of Wisconsin – La Crosse  
 University of Wisconsin – Madison  
 University of Wisconsin – Milwaukee  
 University of Wisconsin – Platteville  
 University of Wisconsin – River Falls  
 University of Wisconsin – Stevens Point  
 University of Wisconsin – Superior  
 University of Wisconsin – Whitewater  
 University of Wyoming  
 Ursuline College  
 Utah State University  
 Valdosta State University  
 Valparaiso University  
 Vanderbilt University  
 Virginia Commonwealth University  
 Virginia Polytechnic Institute and State University  
 Wagner College  
 Wake Forest University School of Business  
 Wake Forest University  
 Walsh University  
 Washington State University  
 Washington University  
 Watson School of Biological Sciences  
 Wayland Baptist University  
 Wayne State College  
 Wayne State University  
 Wesleyan University  
 West Chester University  
 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  
 Wheeling Jesuit University  
 Wichita State University  
 Widener University  
 Wilkes University  
 William Paterson University  
 Winona State University  
 Woods Hole Oceanographic Institution  
 Worcester Polytechnic Institute  
 Worcester State College  
 Wright State University  
 Yale University  
 Youngstown State University



# APPENDIX F

## Survey Instrument

### CGS/GRE® Survey of Graduate Enrollment and Degrees

2018 \_\_\_\_\_ Data Sheet

Institution:

GRE Institution Code:

[Print](#)

I. Graduate Enrollment for 2018 Fall Term						
	First Time			Total (Includes First Time)		
	Men	Women	Total	Men	Women	Total
Master's and Other *						
Doctorate						
<b>Total</b>						
Full Time						
Part Time						
<b>Total</b>						

II. Number of Degrees Conferred between July 1, 2017, and June 30, 2018			
	Men	Women	Total
Master's and Other *			
Doctorate			
Graduate Certificate			

III. Number of Completed Applications Submitted for 2018 Fall Term			
	Master's and Other*	Doctorate	Total
Accepted			
Not Accepted			
<b>Total</b>			

IV. Graduate Enrollment by Race/Ethnicity for 2018 Fall Term								
		First-Time			Total (Includes First Time)			
		Men	Women	Total	Men	Women	Total	
Non-Resident Aliens (Temporary Residents)								
U.S. Citizens and Permanent Residents	Non-Hispanic	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								
<b>Total</b>								

\* 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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