



# Graduate Enrollment and Degrees: 2007 to 2017

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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 2017 with detailed data tables. Below are several key points from this year's survey.

## HIGHLIGHTS BY SELECTED INSTITUTIONAL TYPES

- Applications for admission to graduate school in Fall 2017 decreased (-1.8%) overall. While there was a slight increase of applications to private not-for-profit institutions (1.4%), applications to public institutions decreased by 3.7%. Over the same period, most research-intensive universities were least affected. Doctoral moderate research institutions (-9.1%) and master's colleges and universities (-4.9%) saw larger decreases in applications, compared to doctoral highest research institutions (-0.1%) and doctoral higher research institutions (-3.8%) (Table C.1).
- First-time enrollment (3.0%) and total enrollment (2.6%) in doctoral highest research institutions increased between Fall 2016 and Fall 2017. However, at doctoral higher research institutions and doctoral moderate research institutions, both first-time enrollment (-4.2% and -7.1%) and total enrollment (-1.4% and -5.6%) decreased between Fall 2016 and Fall 2017 (Tables C.4 and C.14).

## HIGHLIGHTS BY SELECTED DEGREE OBJECTIVES

- *Doctoral Degrees.* Applications to graduate school decreased at the doctoral level (-2.0%) between 2016 and 2017 (Table C.1). Yet, the acceptance rate to programs remained relatively unchanged between Fall 2017 and Fall 2016 (22.8% and 22.2%, respectively) (Table B.1). Doctorate-level first-time enrollment decreased by 0.8% between 2016 and 2017. Some fields saw large decreases over the past year, with an average annual decrease of 5.7% in arts and humanities, 2.3% in physical and earth sciences, and 1.8% in business (Table C.12). However, there was a 1.7% increase in the number of doctoral degrees awarded between Fall 2016 and Fall 2017 (Table C.30).
- *Master's Degrees.* Between Fall 2016 and Fall 2017, applications for admission to master's or graduate-level certificate programs decreased 1.8% (Table C.1). Despite fewer applications, there was no change in master's-level first-time enrollment between Fall 2016 and Fall 2017 (Table C.13). The large majority (83.4%) of all first-time graduate students in Fall 2017 were enrolled in programs leading to a master's degree or a graduate certificate. Furthermore, the large majority (83.4%) of degrees awarded in 2016-17 were master's degrees, while the share of doctoral degrees was 11.1%, and that of graduate certificates was 5.5% (Tables B.6 and B.21). The number of master's degrees awarded by institutions participating in the survey increased by 4.6% between Fall 2016 and Fall 2017 (Table C.29).

## HIGHLIGHTS BY SELECTED STUDENT DEMOGRAPHICS

- *International Students.* First-time graduate enrollment of international students decreased (-3.7%) between Fall 2016 and Fall 2017. This is the second decrease in this population since 2003. However, the five-year average annual rate of change (4.7%), as well as the ten-year average annual rate of change (5.6%), remains strong. Furthermore, proportionally fewer international students comprised first-time graduate enrollment in Fall 2017 than last year and the year before. They accounted for 20.3% of first-time graduate students in Fall 2017, compared to 21.1% in Fall 2016, and 22.0% in Fall 2015. Selective high research universities were least affected by the volatility of international

students. At doctoral highest research institutions, three out of ten (29.9%) first-time enrollees were international graduate students. Shares of first-time international graduate students were higher at private, not-for-profit institutions (24.2%) than at public institutions (19.0%) in Fall 2017 (Tables B.8 and C.5).

- *U.S. Citizens and Permanent Residents.* The first-time and total enrollment increases are driven by U.S. citizens and permanent resident graduate students (1.1% and 1.2%, respectively) (Tables C.9 and C.15). In terms of field of study, the first-time enrollment of U.S. citizens and permanent resident graduate students increased in mathematics and computer sciences (17.2%), business (5.7%), and health sciences (1.9%) between Fall 2016 and Fall 2017 (Table C.9).
- *Underrepresented Minorities.* Among first-time U.S. citizens and permanent resident graduate students in the Fall of 2017, about 23.9% were underrepresented minorities, including American Indian/Alaska Native (0.5%), Black/African American (11.9%), Native Hawaiian/Other Pacific Islander (0.2%), and Hispanic/Latino (11.3%) (Table B.11). Minority students remain substantially underrepresented, particularly in STEM fields, with an alarming trend for American Indian/Alaska Native. Particularly notable among underrepresented minorities was that for two consecutive years, first-time graduate enrollment of Hispanic/Latino students increased (5.6%). The five-year average annual rate of change (8.0%), as well as the ten-year average annual rate of change (8.1%), is strong (Table C.5). Both Hispanic/Latino men and women saw an increase in first-time graduate enrollment (7.9% and 4.2%, respectively) between Fall 2016 and Fall 2017 (Table C.6). The growth appears to be linked in part to the 21.8% increase in first-time enrollment in mathematics and computer sciences, 11.2% increase in business, and 10.3% increase in engineering (Table C.10).
- *Gender.* In Fall 2017, the majority of first-time graduate students at all degree levels were women – 59.2% at the master’s degree level and 53.5% at the doctoral level. Women also earned the majority of graduate certificates (64.0%), master’s degrees (57.3%), and doctoral degrees (53.0%) awarded by U.S. institutions in 2016-17. Furthermore, women earned the majority of graduate certificates in education (78.0%), master’s degrees in health sciences (80.0%), and doctoral degrees in public administration (75.6%). However, men still constituted a majority share of first-time graduate students in engineering, mathematics and computer sciences, and physical and earth sciences (For more details, see Tables B.7, B.23, B.24, and B.25).

## HIGHLIGHTS BY SELECTED BROAD FIELDS OF STUDY

- *Arts and Humanities.* Graduate applications in arts and humanities decreased 1.8% between Fall 2016 and Fall 2017 (Table C.2). First-time enrollment in doctoral programs in arts and humanities declined by 5.7% between Fall 2016 and Fall 2017, and master’s first-time enrollment declined by 1.9% (Tables C.12 and C.13). Between Fall 2016 and Fall 2017, the number of degrees conferred in arts and humanities decreased 26.2% at the graduate certificate level, decreased 5.7% at the doctoral level, and decreased 4.9% at the master’s level (Tables C.28, C.29, and C.30).
- *Engineering.* Graduate applications in engineering decreased 7.3% between Fall 2016 and Fall 2017. This follows recent trends of graduate applications in engineering between Fall 2015 and Fall 2016 (-0.9%) and between Fall 2014 and Fall 2015 (-0.7%). This may be driven by changes in international applications. Graduate applications to master’s programs in engineering declined by 10.7% between Fall 2016 and Fall 2017, while doctoral applications flattened (0.4%). The first-time enrollment of engineering graduate students decreased 0.5% at the doctoral level and 5.3% at the master’s level. The number of degrees awarded in engineering decreased 21.8% at the graduate certificate level, increased 2.2% at the master’s level, and decreased 0.8% at the doctoral level (For more details see, Tables C.2, C.3, C.12, C.13, C.28, C.29, and C.30).

- *Mathematics and Computer Sciences.* There have been robust increases in first-time enrollment in mathematics and computer sciences (3.8%) between Fall 2016 and Fall 2017, in line with the positive trend over the previous five-year (12.8%) and ten-year (12.1%) periods (Table C.7). Mathematics and computer sciences have the largest increases in first-time enrollment both for part-time students (21.0%) and for U.S. citizens and permanent resident graduate students (17.2%) between Fall 2016 and Fall 2017 (Tables C.8 and C.9). Also, mathematics and computer sciences saw a large increase in degrees conferred at the graduate certificate's level (15.5%) and master's level (13.6%) between Fall 2016 and Fall 2017 (Tables C.28 and C.29).
- *Public Administration.* Public administration has the largest share of underrepresented minorities. In Fall 2017, the first-time enrollment in public administration was 15.3% for Hispanic/Latino and 18.8% for African American. The total enrollments in public administration were 14.1% for Hispanic/Latino and 20.6% for African American (Tables B.11 and B.20). Moreover, public administration had the largest increase in first-time enrollments (9.2%) for international students between Fall 2016 and Fall 2017 (Table C.9).



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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 2017 CGS/GRE Survey of Graduate Enrollment and Degrees was launched in November 2017 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 777 colleges and universities, and useable responses were received from institutions (N=619), for an overall response rate of 80%.

This report begins by highlighting the findings on the number of applications received from prospective graduate students for Fall 2017, first-time and total enrollment for Fall 2017, and the number of master's and doctoral degrees and other post-baccalaureate certificates conferred during the 2016-17 academic year. Then, this report describes 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 2017; and Degrees Conferred, 2016-17) and Appendix C (Data Tables for Trends in Graduate Applications; First-Time Enrollment; Total Enrollment; and Degrees Conferred, 2007 to 2017). Other appendices include, Appendix A (Definitions), Appendix D (Taxonomy of Fields of Study), Appendix E (List of Institutions Participated in the Fall 2017 Survey), and Appendix F (Survey Instrument).

# Acknowledgments

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Thank you to CGS President Suzanne Ortega for her insights and guidance. We also thank Katherine Hazelrigg for assistance in preparation for the report release and media relations and to Matthew Linton for copy editing. 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 extremely grateful for the time and effort these and other persons gave to the survey project and report.

# Graduate Applications, Enrollment, and Degrees: Fall 2017

More than 1.8 million graduate students were enrolled in graduate certificate, master's, or doctoral programs at U.S. graduate schools in Fall 2017, according to institutions responding to the 2017 CGS/GRE Survey of Graduate Enrollment and Degrees. The number of applications received by responding institutions decreased by 1.8% between Fall 2016 and Fall 2017. The first-time graduate enrollment and total graduate enrollment was flat between Fall 2016 and Fall 2017 (-0.1% and -0.5%, respectively). This section will highlight the state of graduate education with respect to applications for admission for Fall 2017, first-time and total enrollment in Fall 2017, and graduate degrees and certificates conferred in the 2016-17 academic year.

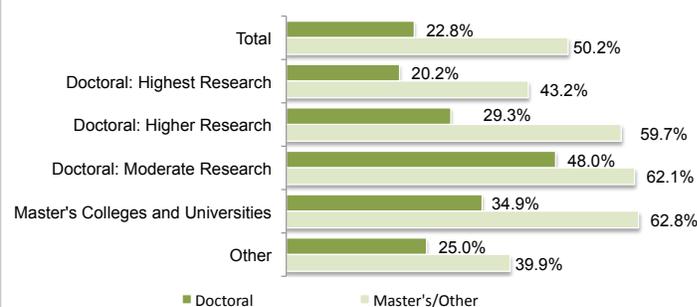
## GRADUATE APPLICATIONS

Institutions responding to the 2017 CGS/GRE Survey of Graduate Enrollment and Degrees received approximately 2.2 million applications for admission to graduate programs for study beginning in Fall 2017. Public institutions received more than 1.3 million applications for Fall 2017, while private, not-for-profit institutions received 843,163 graduate applications. About 70%, or 1,522,536 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 2017 survey were consistent with this pattern. Overall, 22.8% of doctoral applicants and 50.2% 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 with accepting of 14.4% of applications received. Master's/other programs at these universities were also more selective with an overall average acceptance rate of 40.3% (Table B.1 and Figure 1).

**Figure 1.** Graduate application acceptance rates by Carnegie Classification and Degree level, Fall 2017



Source: 2017 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.1

By broad field of study, the largest number of total applications for Fall 2017 were in engineering (303,209), business (289,183), and health sciences (280,844). Engineering, business, and health sciences alone accounted for 40% of all graduate applications for which the intended field of study was known. Among doctoral applicants, social and behavioral sciences was the largest broad field, accounting for 122,638, or 19%, of all doctoral applications. The broad field of social and behavioral sciences (15.3%) was the second most selective field in terms of doctoral acceptance rates, trailing only the broad field of business (14.4%). Business received the largest number of applications at the master's/other level (265,048), followed by engineering (202,239). In terms of master's acceptance rates, mathematics and computer sciences (36.8%) was most selective, followed by arts and humanities (41.3%), health sciences (41.7%), engineering (44.0%), physical and earth sciences (44.5%), and biological and agricultural sciences (49.2%) (Table B.2).

## FIRST-TIME GRADUATE ENROLLMENT

A total of 524,497 graduate students enrolled for the first time in graduate certificate, education specialist, master's, or research doctoral programs in Fall 2017 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 (58.4%) were women (Table B.3).

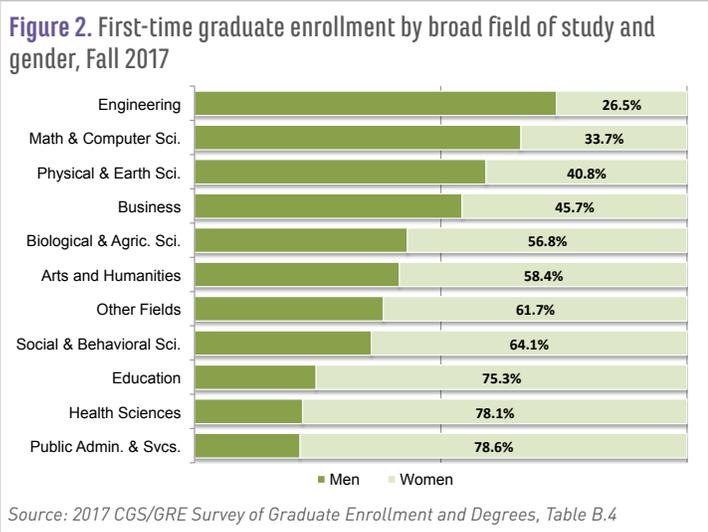
Consistent with previous survey cycles, business (86,877), education (79,115), and health sciences (66,346), were the three largest broad fields of first-time graduate enrollment in Fall 2017. These three broad fields collectively represented 44.3% of first-time graduate enrollments. Institutions responding to the survey also reported that while women constitute more than three quarters of first-time graduate enrollment in fields of public administration and services (78.6%), health sciences (78.1%), and education (75.3%) in Fall 2017, they comprised much smaller portions of first-time enrollment in fields of engineering (26.5%), mathematics and computer sciences (33.7%), and physical and earth sciences (40.8%) (Table B.4 and Figure 2).

was particularly high in the broad fields of public administration and services (96.6%), business (95.0%), "other fields" (92.5%)<sup>1</sup>, education (86.0%), and mathematics and computer sciences (86.0%). By contrast, the majority (60.0%) of first-time graduate enrollment in physical and earth science was in doctoral programs (Table B.6).

Roughly one third (34.3%) of all first-time students, for whom both fields and degree levels are known, were enrolled in master's degree or graduate certificate programs in business (82,545) and education (68,285). At the doctoral level, the broad fields of health sciences (13,579), social and behavioral sciences (11,955), education (11,117), and engineering (10,391) were the largest, accounting for 53.7% of all first-time doctoral students (Table B.6).

In Fall 2017, women comprised a larger share of first-time enrollees at the master's and graduate certificate level (59.2%) than at the doctoral level (53.5%). However, in business, engineering, mathematics and computer sciences, and physical and earth sciences, men comprised a larger share of first-time enrollees both at 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 enrollments. Specifically, among first-time graduate enrollees in Fall 2017 for whom citizenship was known, 79.7% were U.S. citizens and permanent residents and 20.3% were international students. The share of international students among first-time graduate students was higher at private, not-for-profit universities (24.2%) than at public universities (19.0%). The share of international students among full-time graduate students was the largest at doctoral universities with highest research activity (29.9%) (Table B.8). International students comprised the largest share of first-time graduate students in mathematics and computer sciences (56.3%), followed closely by engineering (52.9%). The share of international students was smallest in education (3.9%), public administration and services (4.0%), and health sciences (5.1%) (Table B.9 and Figure 3). While



The large majority (83.4%) of first-time graduate students in Fall 2017 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

<sup>1</sup> 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).

61.9% of first-time graduate enrollees who were U.S. citizens and permanent residents were women, only 44.2% of first-time graduate enrollees who were international students were women (Table B.10).

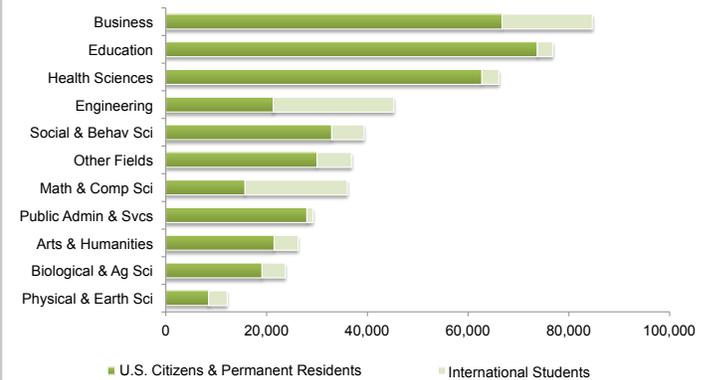
The share of underrepresented minorities (URM) among U.S. citizens and permanent residents was similar to previous years (23.4%). In Fall 2017, approximately 23.9% of all first-time U.S. citizens and permanent resident enrollees were URM students, including American Indian/Alaska Native (0.5%), Black/African American (11.9%), Native Hawaiian/Other Pacific Islander (0.2%), and Hispanic/Latino (11.3%) (Table B.11 and Figure 4).

American Indian/Alaska Native, Black/African American, and Hispanic/Latino first-time graduate students remain particularly underrepresented in science, engineering, technology, and mathematics (STEM) fields. For example, only 3.7% of those enrolled for the first time in physical and earth sciences and 5.7% of first-time U.S. citizens and permanent resident students 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 first time in mathematics and computer sciences (16.9%) and engineering (14.2%) fields (Table B.11). Tables B.3 to B.11 provide additional details regarding first-time graduate enrollment for Fall 2017.

### TOTAL GRADUATE ENROLLMENT

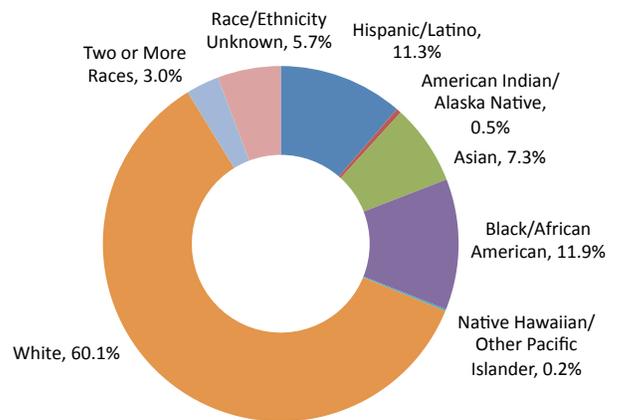
Institutions responding to the CGS/GRE survey enrolled more than 1.8 million graduate students in Fall 2017. Over one million of those graduate students, or 57.9%, were women. Interestingly, at highest research doctoral universities, men and women were almost equally represented with 48.8% men and 51.2% women. Across all institutions that participated in this survey, 57.5% 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 76.6% of graduate students enrolled full time. By contrast, 61.4% of graduate students at public master's colleges and universities were enrolled part time in Fall 2017 (Table B.12).

**Figure 3.** First-time graduate enrollment by broad field of study and citizenship, Fall 2017



Source: 2017 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.9

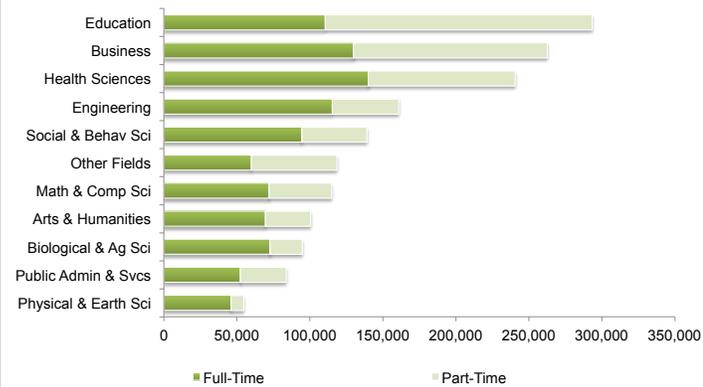
**Figure 4.** U.S. citizen and permanent resident first-time enrollment by race/ethnicity, Fall 2017



Source: 2017 CGS/GRE Survey of Graduate Enrollment & Degrees, Table B.11

The three largest broad fields of study: business, education, and health sciences, were also the fields with the largest proportions of part-time graduate students. More than six out of ten (62.3%) master's and doctoral students in education, one half (50.6%) in business, and 41.8% in health sciences were enrolled part time. By contrast, physical and earth sciences (15.8%), biological and agricultural sciences (23.3%), and engineering (28.3%) had smaller proportions of graduate students enrolled part time in their programs (Table B.13 and Figure 5). Among graduate students in Fall 2017, men were more likely to be enrolled full time than women (60.3% and 55.2% respectively). However, a higher percentage of women than men were enrolled full time in engineering, mathematics and computer sciences, and public administration and services (Table B.14).

**Figure 5. Total graduate enrollment by broad field of study and attendance status, Fall 2017**



Source: 2017 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.13

Nearly three quarters (74.0%) of total graduate enrollment was in master’s programs, while 26.0% was in doctoral programs. In particular, graduate enrollment in business (93.9%) and public administration and services (92.6%) was heavily concentrated in master’s/other programs. By contrast, STEM graduate enrollment was concentrated more in doctoral programs; for example, 73.7% of physical and earth sciences enrollment was at the doctoral level. However, across STEM fields, graduate enrollment was predominantly at the master’s level (Table B.15).

International graduate students constituted 18.5% of total enrollment in Fall 2017, compared with U.S. citizens and permanent residents, who constituted 81.5%. At the highest research doctoral institutions, the share of international students was 28.3% (Table B.17). The presence of international students was particularly high in engineering (52.7%), mathematics and computer sciences (52.0%), and physical and earth sciences (32.8%) (Table B.18).

Among U.S. citizens and permanent residents, Black/African American were particularly underrepresented in several fields. While they constitute 12.6% of U.S. citizens and permanent resident graduate students, overall, they accounted for only 3.3% of physical and earth sciences. Similarly, they were grossly underrepresented in engineering (5.7%), 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 716,091 graduate certificates and degrees in the academic year 2016-17 (July 1, 2016 through June 30, 2017). The large majority (597,304 or 83.4%) of degrees awarded in 2016-17 were master’s degrees, followed by doctoral degrees (79,738 or 11.1%), and graduate certificates (39,049 or 5.5%) (Table B.21).

By field of study, health sciences accounted for the largest number of doctoral degrees awarded in 2016-17, with 20.5% of the total, followed by engineering (13.2%), education (12.9%), social and behavioral sciences (12.9%), and biological and agricultural sciences (11.8%). At the master’s degree level, business and education were the largest broad fields of degrees awarded, accounting for 20.8% and 18.8%, respectively. While over one third of degree recipients in biological and agricultural sciences (30.5%) and physical and earth sciences (40.8%) were awarded doctoral degrees, more than nine out of ten degree recipients in business (93.7%) and public administration and services (93.2%) were awarded master’s degrees. Of the broad fields in this report, education (33.7%), business (14.4%), and health sciences (13.9%) had large shares of certificates awarded by institutions participating in this survey during 2016-17 (Table B.22).

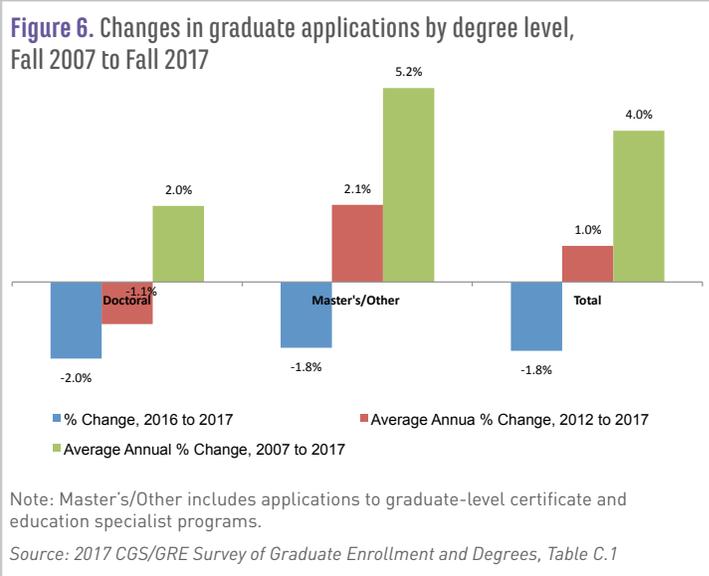
Academic year 2016-17 marked the eighth consecutive year in which women earned the majority of degrees awarded at the doctoral level. Women earned 64.0% of graduate certificates awarded in 2016-17, 57.3% of master’s degrees, and 53.0% of doctorates. However, in many STEM fields, men still earned the majority of graduate degrees and certificates. Men earned about three fourths of master’s degrees (74.6%) and doctoral degrees (76.6%) in engineering. Similarly, 66.8% of master’s degrees and 74.9% 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: 2007 to 2017

Institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees reported a decrease in applications for admission for the first time since academic year 2003 to 2004. First-time graduate enrollment flattened (-0.1%) between Fall 2016 and Fall 2017. 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 time 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 2016 and Fall 2017, applications for admission to U.S. graduate schools decreased 1.8% at the institutions that responded to the CGS/GRE Survey of Graduate Enrollment and Degrees in both 2016 and 2017. Public institution application counts decreased 3.7%, while private, not-for-profit applications increased 1.4%. In terms of the Fall 2017 application totals, public institutions (1,328,190) still far surpass their private, not-for-profit counterparts (843,163). Although there was a one-year decrease in graduate applications for Fall 2017 (-1.8%), the five-year average annual change remained positive (1.0%). Between Fall 2007 and Fall 2017, graduate applications grew at an average annual rate of 4.0%. The number of applications for admission to graduate school also decreased across highest research doctoral universities (-0.1%) and higher research doctoral universities (-3.8%) between Fall 2016 and Fall 2017. Moreover, moderate research doctoral universities and master's colleges and universities reported a larger decrease in applications between Fall 2016 and Fall 2017 (-9.1% and -4.9%, respectively) (Tables B.1, C.1, and Figure 6).



By broad field of study, the largest one-year increases in graduate applications occurred in the broad fields of business (4.5%), public administration and services (1.9%), education (1.8%), and mathematics and computer sciences (1.7%). Graduate applications decreased over the one-year period in engineering (-7.3%), arts and humanities (-1.8%), physical and earth sciences (-0.6%), and biological and agricultural sciences (-0.4%) (Table C.2). While the decline of graduate applications in arts and humanities appears to follow the trend from the last five years, the decline in engineering appears to be a deviation from the five-year average annual rate of change (1.0%) and ten-year average annual rate of change (5.6%). Similarly, one-year rates of change in application counts shifted drastically between Fall 2015/16 and Fall 2016/17 for mathematics and computer sciences (5.5% and 1.7%), physical and earth sciences (5.0% and -0.6%), and health sciences (2.8% and 0.6%).

Applications for admission decreased for both doctoral programs (-2.0%) and master's/other programs (-1.8%) between Fall 2016 and Fall 2017. The five-year average annual rate of change in

master's applications between Fall 2012 and Fall 2017 was 2.1%, while there was a decrease at the doctoral level (-1.1%). At the doctoral level, mathematics and computer sciences (8.3%) had the largest one-year increase of all broad fields of study. This was a much higher rate of increase compared to the five-year average annual rate of change (2.0%). Health sciences had the largest one-year decrease at the doctoral level (-3.6%). At the master's/other level, business (4.2%) reported the highest one-year percentage. 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 flattened (-0.1%) between Fall 2016 and Fall 2017 at the institutions that responded to both the 2016 and 2017 CGS/GRE Surveys of Graduate Enrollment and Degrees. This marks the first decline in first-time graduate enrollment growth rates since academic year 2011 to 2012. Despite the overall rate of growth slowing, first-time graduate enrollment rose 3.0% at doctoral universities with highest research activity. However, declines in first-time graduate enrollment were notable at other types of institutions, with a 4.2% decline at doctoral universities with higher research activity, 7.1% decline at doctoral universities with moderate research activity, and 1.7% decline at other universities<sup>2</sup> over the one-year period (Table C.4).

First-time graduate enrollment of international students decreased 3.7% between Fall 2016 and Fall 2017. It is the second decrease since 2003, though the five-year average annual increase (4.7%) and ten-year average annual increase (5.6%) rates remain high. By contrast, first-time graduate enrollment reported a 1.1% increase among U.S. citizens and permanent residents between Fall 2016 and Fall 2017; though lower than last year (3.2%), it's still a healthy increase. Recent increases in the first-time enrollment of U.S. citizens and permanent resident graduate students are promising even as the five-year average (1.6%) and ten-year average (1.9%) annual increase rates remain low (Table C.5).

Between Fall 2016 and Fall 2017, first-time enrollment increased 5.6% among Hispanic/Latinos, 2.2% among Black/African Americans, and 4.5% among Asian/Pacific Islanders. However, there was an alarming 6.5% decrease among American Indian/Alaska Natives. Similarly, for year-over-year changes over the last ten years between Fall 2007 and Fall 2017, first-time graduate enrollment increased 8.1% among Hispanic/Latinos, 3.3% among Black/African Americans, and 4.6% among Asian/Pacific Islanders, while it declined 1.9% among American Indian/Alaska Natives (Table C.5).

While women saw a 0.4% increase in first-time graduate enrollment between Fall 2016 and Fall 2017, men's first-time enrollment decreased by 0.9%. This drop of 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 4.8% for men and decreased 2.8% for women between Fall 2016 and Fall 2017. By contrast, among U.S. citizens and permanent residents, there was a 1.2% increase in first-time enrollment among men between Fall 2016 and Fall 2017, compared with a 1.0% increase among women (Table C.6).

Of the broad fields of study, mathematics and computer sciences (3.8%), followed by business, reported the largest one-year gain in first-time graduate enrollment between Fall 2016 and Fall 2017. Business (3.7%) reported the second largest gain in first-time graduate enrollment between Fall 2016 and Fall 2017. However, engineering fields reported a decrease in first-time graduate enrollment. The one-year change in first-time graduate enrollment in engineering was -3.8%, compared to -0.9% between Fall 2015 and Fall 2016. The first-time graduate enrollment in arts and humanities decreased by 2.3% between Fall 2016 and Fall 2017 (Table C.7). In the decade spanning 2007 to 2017, increases in first-time enrollments have been particularly strong in the fields of mathematics and computer sciences, health sciences, and engineering (Figure 7).

---

2 The "other universities" category 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 (For more details, see Appendix A).

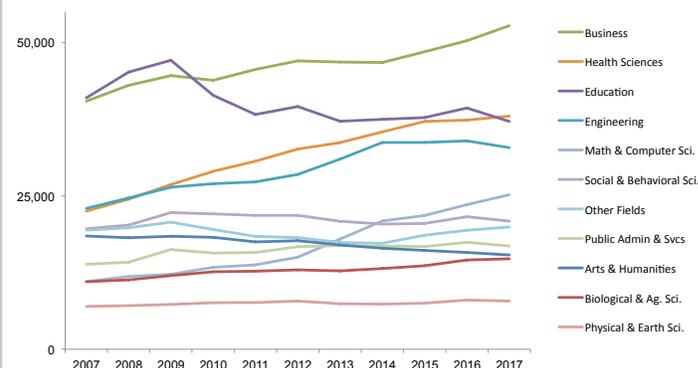
Among U.S. citizens and permanent residents, increases in first-time graduate enrollment were greater for Hispanic/Latinos (5.6%) than Black/African Americans (2.2%), and Asian/Pacific Islanders (4.5%) between Fall 2016 and Fall 2017 (Table C.10). However, American Indian/Alaska Natives and Whites have experienced decreases in first-time enrollment (-6.5% and -0.2%, respectively) during this period. 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 also flattened (-0.5%) between Fall 2016 and Fall 2017 at the institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees for both 2016 and 2017 (Table C.14). Over the one-year period, total graduate enrollment increased 0.5% at public institutions; while the total graduate enrollment declined 0.1% at private, not-for-profit institutions. Though the rates of growth have declined over the one-year period, total graduate enrollment had 0.2% increase over the last five years between Fall 2012 and Fall 2017, and 0.8% increased during the ten-year period between Fall 2007 and Fall 2017.

Between Fall 2016 and Fall 2017, the total graduate enrollment increased by 1.2% for U.S. citizens and permanent residents and decreased by 2.4% for international students. Total enrollment reflects the trends of multiple preceding years (Table C.15). Total enrollment decreased by 1.5% among men, while increased 0.2% among women between Fall 2016 and Fall 2017 (Table C.16). Between Fall 2016 and Fall 2017, total enrollment increased 5.3% among Hispanic/Latinos, 3.6% among Asian/Pacific Islanders, and 3.0% for Black/African Americans. During the same period, total enrollment declined 0.3% for American Indian/Alaskan Natives, and 0.1% for Whites (Table C.20). Despite growth in 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 Hispanic/Latino graduate students grew, the relative shares of Black/African American students were much slower to grow (Figure 8).

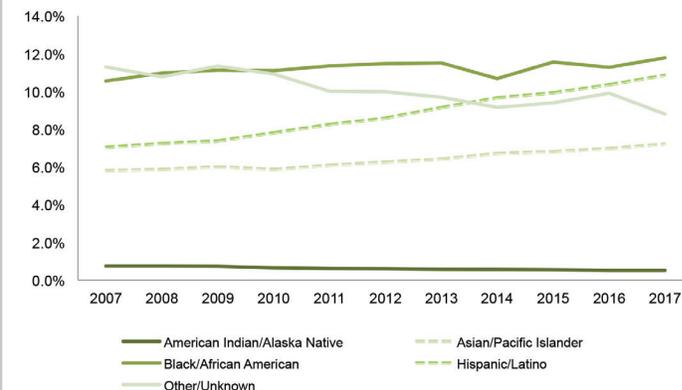
**Figure 7. Trends in first-time graduate enrollment by field of study, Fall 2007 to Fall 2017**



Note: Trends were developed based upon institutions that provided data for all years 2007 to 2017; therefore, the numbers of first-time enrollments do not match data in the tables.

Source: 2017 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 2007 to Fall 2017**



Note: Trends were developed based upon institutions that provided data for all years 2007 to 2017; the numbers of first-time enrollments do not match data in the tables.

Source: 2017 CGS/GRE Survey of Graduate Enrollment and Degrees

The largest one-year change in total graduate enrollment by broad field of study between Fall 2016 and Fall 2017 was health sciences (2.5%). There was also small growth in “other fields” (1.9%) and business (1.0%). While these three fields reported the largest one-year increases, the broad fields of arts and humanities, education, and engineering experienced decreases in total enrollment between 2016 and 2017 (-2.5%, -2.3%, and -1.7%, respectively). The fields of education (-1.9%), arts and humanities (-1.7%), and “other fields” (-0.9%) reported the largest declines in total enrollment over the ten-year period between 2007

and 2017. More detailed information about changes and trends in total graduate enrollment can be found in Tables C.14 through C.23.

### TRENDS IN GRADUATE CERTIFICATES AND DEGREES

The number of doctoral degrees awarded increased 1.7% and the number of master’s degrees awarded increased 4.6% between 2015-16 and 2016-17 at institutions responding to the 2017 CGS/GRE Survey of Graduate Enrollment and Degrees. In the five-years spanning 2012 to 2017, the average annual change in the number of graduate certificates awarded was 2.3%. Over the same period, doctoral degree production (3.1%) was higher than that of master’s degree production (1.3%) (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).

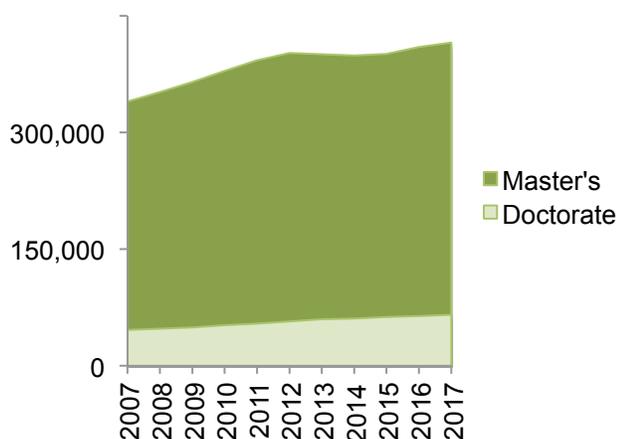
degree production increased 1.2% at public institutions and 3.2% at private, not-for-profit institutions. In the decade spanning 2006-07 to 2016-17, doctoral degree production increased 4.3% at public institutions and 4.2% at private, not-for-profit institutions (Table C.24).

There was a 4.6% increase in master’s degree production between 2015-16 and 2016-17, a 1.3% average annual increase between 2011-12 and 2016-17, and a 2.7% average annual increase between 2006-07 and 2016-17. 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).

The 4.6% increase in degree production at the master’s level between 2015-16 and 2016-17 included increases in eight broad fields of study and decreases in three others. The largest one-year increases in master’s degree production were in mathematics and computer sciences (13.6%), health sciences (4.7%), and “other fields” (4.7%), while biological and agricultural sciences reported the largest declines in master’s degree production (-6.4%) (Table C.29).

At the doctoral level, degree production decreased in 7 of 11 broad fields of study between 2015-16 and 2016-17, with one-year changes ranging from a -0.7% (physical and earth sciences) to a low of -8.7% (“other fields”). There was an increase in doctoral production in public administration and services (10.6%), health sciences (5.5%), education (5.2%), and social and behavioral sciences (0.2%) (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.

**Figure 9.** Trends in total graduate degrees awarded by level, Fall 2007 to Fall 2017



Note: Trends were developed based upon institutions that provided data for all years 2007 to 2017; 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 2012 and Fall 2017 (3.1%) and over the ten-year period between Fall 2007 and Fall 2017 (4.4%), than growth in master’s degree and graduate certificates. 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 2015-16 and 2016-17, doctoral

# 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 applications data exclude 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:

**International Student (Temporary Resident/Non-Resident Alien)**—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**—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 2016 and 2017 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 2012 and 2017 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 2007 and 2017 surveys.

**Trend Lines**—Trend lines were constructed using data collected from only those institutions that responded to all surveys 2007 through 2017.

## 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 619 institutions that responded to the 2017 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 2017, and Degrees Conferred, 2016-17

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**Table B.1: Applications for Admission to Graduate School by Institution Type, Carnegie Classification, and Degree Level, Fall 2017**

Carnegie Classification and Institution Type **	Total	Doctoral		Master's/Other *			Total	Total	
		Accepted Applications		Total	Accepted Applications			Accepted Applications	
<b>Total</b>	<b>655,867</b>	<b>149,621</b>	<b>22.8%</b>	<b>1,522,536</b>	<b>765,017</b>	<b>50.2%</b>	<b>2,181,649</b>	<b>916,569</b>	<b>42.0%</b>
<i>Public</i>	393,957	100,458	25.5%	933,203	474,250	50.8%	1,328,190	575,437	43.3%
<i>Private, not-for-profit</i>	257,241	46,859	18.2%	583,706	287,060	49.2%	843,163	335,121	39.7%
<i>Private, for-profit</i>	S	S		S	S		S	S	
Doctoral: Highest Research	512,829	103,602	20.2%	873,824	377,104	43.2%	1,386,653	480,706	34.7%
<i>Public</i>	324,823	76,542	23.6%	566,071	253,055	44.7%	890,894	329,597	37.0%
<i>Private, not-for-profit</i>	188,006	27,060	14.4%	307,753	124,049	40.3%	495,759	151,109	30.5%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral: Higher Research	78,597	23,045	29.3%	226,211	135,021	59.7%	304,808	158,066	51.9%
<i>Public</i>	41,205	14,863	36.1%	142,138	84,415	59.4%	183,343	99,278	54.1%
<i>Private, not-for-profit</i>	37,392	8,182	21.9%	84,073	50,606	60.2%	121,465	58,788	48.4%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral: Moderate Research	19,008	9,125	48.0%	121,679	75,519	62.1%	140,687	84,644	60.2%
<i>Public</i>	6,718	3,085	45.9%	55,140	34,898	63.3%	61,858	37,983	61.4%
<i>Private, not-for-profit</i>	9,852	4,275	43.4%	64,143	38,493	60.0%	73,995	42,768	57.8%
<i>Private, for-profit</i>	S	S		S	S		S	S	
Master's Colleges and Universities	25,137	8,774	34.9%	250,602	157,333	62.8%	278,912	168,019	60.2%
<i>Public</i>	10,344	3,977	38.4%	153,966	96,443	62.6%	165,340	101,149	61.2%
<i>Private, not-for-profit</i>	14,793	4,797	32.4%	96,636	60,890	63.0%	113,572	66,870	58.9%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Other	20,296	5,075	25.0%	50,220	20,040	39.9%	70,589	25,134	35.6%
<i>Public</i>	10,867	1,991	18.3%	15,888	5,439	34.2%	26,755	7,430	27.8%
<i>Private, not-for-profit</i>	7,198	2,545	35.4%	31,101	13,022	41.9%	38,372	15,586	40.6%
<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 2017

Broad Field	Doctoral			Master's/Other *			Total		
	Total	Accepted Applications		Total	Accepted Applications		Total	Accepted Applications	
<b>Total</b>	<b>655,867</b>	<b>149,621</b>	<b>22.8%</b>	<b>1,522,536</b>	<b>765,017</b>	<b>50.2%</b>	<b>2,181,649</b>	<b>916,569</b>	<b>42.0%</b>
Arts and Humanities	56,652	11,087	19.6%	95,254	39,376	41.3%	151,906	50,504	33.2%
Biological and Agricultural Sciences	77,126	15,900	20.6%	53,293	26,221	49.2%	130,539	42,179	32.3%
Business	24,065	3,459	14.4%	265,048	132,644	50.0%	289,183	136,234	47.1%
Education	27,048	11,970	44.3%	131,090	93,829	71.6%	158,239	106,122	67.1%
Engineering	100,841	25,037	24.8%	202,239	89,010	44.0%	303,209	114,110	37.6%
Health Sciences	80,682	18,663	23.1%	192,560	80,270	41.7%	280,844	100,353	35.7%
Mathematics and Computer Sciences	54,512	11,903	21.8%	193,295	71,063	36.8%	247,851	83,007	33.5%
Physical and Earth Sciences	69,051	17,146	24.8%	18,134	8,074	44.5%	87,276	25,252	28.9%
Public Administration and Services	3,780	1,094	28.9%	67,552	43,850	64.9%	71,760	45,544	63.5%
Social and Behavioral Sciences	122,638	18,760	15.3%	90,280	53,883	59.7%	213,141	72,854	34.2%
Other Fields	18,076	4,860	26.9%	103,453	60,321	58.3%	121,529	65,258	53.7%

\* 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 2017**

Carnegie Classification and Institution Type *	Total	Men	Women	Full-Time	Part-Time				
<b>Total</b>	<b>524,497</b>	<b>212,777</b>	<b>41.6%</b>	<b>299,081</b>	<b>58.4%</b>	<b>354,036</b>	<b>67.5%</b>	<b>170,339</b>	<b>32.5%</b>
<i>Public</i>	323,901	136,742	42.7%	183,473	57.3%	215,175	66.4%	108,726	33.6%
<i>Private, not-for-profit</i>	178,807	72,602	40.6%	106,063	59.4%	127,888	71.6%	50,797	28.4%
<i>Private, for-profit</i>	S	S		S		S		S	
Doctoral: Highest Research	245,877	114,709	47.4%	127,482	52.6%	191,292	77.8%	54,585	22.2%
<i>Public</i>	171,987	79,759	47.4%	88,542	52.6%	129,937	75.6%	42,050	24.4%
<i>Private, not-for-profit</i>	73,890	34,950	47.3%	38,940	52.7%	61,355	83.0%	12,535	17.0%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: Higher Research	83,592	34,824	41.7%	48,768	58.3%	54,962	65.8%	28,630	34.2%
<i>Public</i>	57,471	23,806	41.4%	33,665	58.6%	36,524	63.6%	20,947	36.4%
<i>Private, not-for-profit</i>	26,121	11,018	42.2%	15,103	57.8%	18,438	70.6%	7,683	29.4%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: Moderate Research	67,041	19,522	33.5%	38,708	66.5%	36,744	54.8%	30,297	45.2%
<i>Public</i>	22,751	8,193	36.0%	14,558	64.0%	11,856	52.1%	10,895	47.9%
<i>Private, not-for-profit</i>	25,074	8,870	35.4%	16,204	64.6%	16,088	64.2%	8,986	35.8%
<i>Private, for-profit</i>	S	S		S		S		S	
Master's Colleges and Universities	111,835	37,863	33.9%	73,850	66.1%	59,490	53.3%	52,223	46.7%
<i>Public</i>	66,233	23,081	34.8%	43,152	65.2%	32,946	49.7%	33,287	50.3%
<i>Private, not-for-profit</i>	45,602	14,782	32.5%	30,698	67.5%	26,544	58.4%	18,936	41.6%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Other	16,152	5,859	36.3%	10,273	63.7%	11,548	71.5%	4,604	28.5%
<i>Public</i>	5,459	1,903	34.9%	3,556	65.1%	3,912	71.7%	1,547	28.3%
<i>Private, not-for-profit</i>	8,120	2,982	36.8%	5,118	63.2%	5,463	67.3%	2,657	32.7%
<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 2017**

Broad Field	Total	Men		Women		Full-Time		Part-Time	
<b>Total</b>	<b>524,497</b>	<b>212,777</b>	<b>41.6%</b>	<b>299,081</b>	<b>58.4%</b>	<b>354,036</b>	<b>67.5%</b>	<b>170,339</b>	<b>32.5%</b>
Arts and Humanities	26,284	10,911	41.6%	15,303	58.4%	21,368	81.3%	4,916	18.7%
Biological and Agricultural Sciences	23,775	10,135	43.2%	13,301	56.8%	20,408	85.8%	3,367	14.2%
Business	86,877	45,673	54.3%	38,411	45.7%	56,313	64.8%	30,564	35.2%
Education	79,115	18,687	24.7%	56,966	75.3%	36,966	46.8%	42,045	53.2%
Engineering	45,014	32,947	73.5%	11,907	26.5%	37,084	82.4%	7,930	17.6%
Health Sciences	66,346	14,562	21.9%	51,784	78.1%	45,068	67.9%	21,278	32.1%
Mathematics and Computer Sciences	36,285	23,791	66.3%	12,104	33.7%	26,766	73.8%	9,519	26.2%
Physical and Earth Sciences	12,217	7,199	59.2%	4,964	40.8%	10,893	89.2%	1,324	10.8%
Public Administration and Services	29,400	6,276	21.4%	22,984	78.6%	20,390	69.4%	9,010	30.6%
Social and Behavioral Sciences	40,549	13,827	35.9%	24,676	64.1%	30,624	75.5%	9,925	24.5%
Other Fields	37,039	14,124	38.3%	22,706	61.7%	24,093	65.0%	12,946	35.0%

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 2017**

Broad Field	Men				Women			
	Full-Time		Part-Time		Full-Time		Part-Time	
<b>Total</b>	<b>152,057</b>	<b>71.5%</b>	<b>60,720</b>	<b>28.5%</b>	<b>195,300</b>	<b>65.3%</b>	<b>103,781</b>	<b>34.7%</b>
Arts and Humanities	9,060	83.0%	1,851	17.0%	12,249	80.0%	3,054	20.0%
Biological and Agricultural Sciences	8,710	85.9%	1,425	14.1%	11,362	85.4%	1,939	14.6%
Business	30,595	67.0%	15,078	33.0%	24,703	64.3%	13,708	35.7%
Education	9,170	49.1%	9,501	50.9%	26,325	46.3%	30,545	53.7%
Engineering	26,914	81.7%	6,033	18.3%	10,011	84.1%	1,896	15.9%
Health Sciences	10,666	73.2%	3,896	26.8%	34,402	66.4%	17,382	33.6%
Mathematics and Computer Sciences	17,137	72.0%	6,654	28.0%	9,406	77.7%	2,698	22.3%
Physical and Earth Sciences	6,477	90.0%	722	10.0%	4,363	87.9%	601	12.1%
Public Administration and Services	4,113	65.5%	2,163	34.5%	16,227	70.6%	6,757	29.4%
Social and Behavioral Sciences	10,806	78.2%	3,019	21.8%	19,263	78.1%	5,413	21.9%
Other Fields	9,462	67.0%	4,662	33.0%	14,554	64.1%	8,152	35.9%

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.6: First-Time Graduate Enrollment by Broad Field and Degree Level, Fall 2017**

Broad Field	Total	Doctoral		Master's/Other *	
<b>Total</b>	<b>524,497</b>	<b>87,603</b>	<b>16.6%</b>	<b>440,123</b>	<b>83.4%</b>
Arts and Humanities	26,284	5,484	20.9%	20,804	79.1%
Biological and Agricultural Sciences	23,775	8,364	35.2%	15,411	64.8%
Business	86,877	4,359	5.0%	82,545	95.0%
Education	79,115	11,117	14.0%	68,285	86.0%
Engineering	45,014	10,391	22.9%	34,956	77.1%
Health Sciences	66,346	13,579	20.5%	52,723	79.5%
Mathematics and Computer Sciences	36,285	5,063	14.0%	31,222	86.0%
Physical and Earth Sciences	12,217	7,335	60.0%	4,885	40.0%
Public Administration and Services	29,400	996	3.4%	28,404	96.6%
Social and Behavioral Sciences	40,549	11,955	29.5%	28,614	70.5%
Other Fields	37,039	2,785	7.5%	34,254	92.5%

\* 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 2017**

Broad Field	Doctoral				Master's/Other *			
	Men		Women		Men		Women	
<b>Total</b>	<b>37,443</b>	<b>46.5%</b>	<b>43,101</b>	<b>53.5%</b>	<b>177,447</b>	<b>40.8%</b>	<b>257,096</b>	<b>59.2%</b>
Arts and Humanities	2,515	46.0%	2,951	54.0%	8,388	40.5%	12,340	59.5%
Biological and Agricultural Sciences	3,747	45.8%	4,434	54.2%	6,388	41.9%	8,867	58.1%
Business	1,344	54.3%	1,130	45.7%	44,319	54.3%	37,291	45.7%
Education	2,684	31.4%	5,865	68.6%	16,042	23.9%	51,213	76.1%
Engineering	7,516	72.7%	2,820	27.3%	25,678	73.7%	9,173	26.3%
Health Sciences	3,857	28.4%	9,722	71.6%	10,700	20.3%	42,023	79.7%
Mathematics and Computer Sciences	3,486	72.2%	1,343	27.8%	20,302	65.4%	10,761	34.6%
Physical and Earth Sciences	4,587	63.0%	2,699	37.0%	2,615	53.6%	2,265	46.4%
Public Administration and Services	294	32.6%	607	67.4%	5,966	21.1%	22,310	78.9%
Social and Behavioral Sciences	4,092	37.2%	6,920	62.8%	9,723	35.4%	17,745	64.6%
Other Fields	1,212	46.2%	1,411	53.8%	12,912	37.7%	21,295	62.3%

\* 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 2017**

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>524,497</b>	<b>414,483</b>	<b>79.7%</b>	<b>105,821</b>	<b>20.3%</b>
Institution Type					
Public	323,901	261,878	81.0%	61,322	19.0%
Private, not-for-profit	178,807	137,325	75.8%	43,736	24.2%
Private, for-profit	S	S		S	
Carnegie Classification *					
Doctoral: Highest Research	245,877	174,697	70.1%	74,428	29.9%
Doctoral: Higher Research	83,592	68,545	82.0%	15,027	18.0%
Doctoral: Moderate Research	67,041	55,222	90.2%	6,029	9.8%
Master's Colleges and Universities	111,835	102,308	92.8%	7,983	7.2%
Other	16,152	13,711	85.3%	2,354	14.7%

\* 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 2017**

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>524,497</b>	<b>414,483</b>	<b>79.7%</b>	<b>105,821</b>	<b>20.3%</b>
Arts and Humanities	26,284	21,497	81.9%	4,749	18.1%
Biological and Agricultural Sciences	23,775	19,106	80.5%	4,621	19.5%
Business	86,877	66,735	78.8%	17,915	21.2%
Education	79,115	73,736	96.1%	3,019	3.9%
Engineering	45,014	21,333	47.1%	23,927	52.9%
Health Sciences	66,346	62,747	94.9%	3,340	5.1%
Mathematics and Computer Sciences	36,285	15,730	43.7%	20,304	56.3%
Physical and Earth Sciences	12,217	8,519	69.9%	3,670	30.1%
Public Administration and Services	29,400	28,011	96.0%	1,180	4.0%
Social and Behavioral Sciences	40,549	32,934	83.7%	6,409	16.3%
Other Fields	37,039	29,999	81.4%	6,874	18.6%

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.10: First-Time Graduate Enrollment by Citizenship, Race/Ethnicity, and Gender, Fall 2017**

Citizenship and Race/Ethnicity	Total	Men		Women	
<b>Total</b>	<b>524,497</b>	<b>212,777</b>	<b>41.6%</b>	<b>299,081</b>	<b>58.4%</b>
U.S. Citizens and Permanent Residents	414,483	155,633	38.1%	252,655	61.9%
Hispanic/Latino	47,079	17,048	36.6%	29,521	63.4%
<i>Non-Hispanic:</i>					
American Indian/Alaska Native	1,891	615	33.4%	1,225	66.6%
Asian	30,475	13,286	44.5%	16,569	55.5%
Black/African American	49,482	14,972	31.1%	33,126	68.9%
Native Hawaiian/ Other Pacific Islander	687	249	37.5%	415	62.5%
White	249,629	96,169	39.0%	150,730	61.0%
Two or More Races	12,523	4,592	37.1%	7,776	62.9%
Race/Ethnicity Unknown	23,900	9,038	39.0%	14,140	61.0%
Temporary Residents	105,821	58,143	55.8%	45,978	44.2%
Citizenship Unknown	6,282	516	46.9%	584	53.1%

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known gender within each citizenship and race/ethnicity category. See 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 2017  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/ African American	
<b>Total</b>	<b>47,079</b>	<b>11.3%</b>	<b>1,891</b>	<b>0.5%</b>	<b>30,475</b>	<b>7.3%</b>	<b>49,482</b>	<b>11.9%</b>
Arts and Humanities	2,581	12.0%	89	0.4%	1,073	5.0%	1,401	6.5%
Biological and Agricultural Sciences	1,939	10.1%	72	0.4%	2,104	11.0%	1,414	7.4%
Business	6,749	10.1%	227	0.3%	6,169	9.2%	8,471	12.7%
Education	9,204	12.4%	393	0.5%	2,761	3.7%	9,481	12.8%
Engineering	2,280	10.7%	53	0.2%	3,027	14.2%	1,216	5.7%
Health Sciences	5,463	8.7%	302	0.5%	5,235	8.3%	7,087	11.3%
Mathematics and Computer Sciences	1,427	9.1%	29	0.2%	2,660	16.9%	1,587	10.1%
Physical and Earth Sciences	817	9.6%	30	0.4%	555	6.5%	313	3.7%
Public Administration and Services	4,280	15.3%	214	0.8%	966	3.4%	5,283	18.8%
Social and Behavioral Sciences	4,525	13.7%	197	0.6%	1,806	5.5%	4,320	13.1%
Other Fields	3,664	12.2%	208	0.7%	1,604	5.3%	3,567	11.9%

Broad Field	Native Hawaiian/ Other Pacific Islander		White		Two or More Races		Race/ Ethnicity Unknown	
<b>Total</b>	<b>687</b>	<b>0.2%</b>	<b>249,629</b>	<b>60.1%</b>	<b>12,523</b>	<b>3.0%</b>	<b>23,900</b>	<b>5.7%</b>
Arts and Humanities	27	0.1%	14,339	66.7%	849	3.9%	1,138	5.3%
Biological and Agricultural Sciences	21	0.1%	12,058	63.1%	727	3.8%	774	4.1%
Business	176	0.3%	39,292	58.8%	1,775	2.7%	4,001	6.0%
Education	130	0.2%	46,604	62.7%	1,883	2.5%	3,903	5.2%
Engineering	22	0.1%	13,020	61.0%	783	3.7%	932	4.4%
Health Sciences	122	0.2%	38,973	62.0%	1,785	2.8%	3,867	6.2%
Mathematics and Computer Sciences	25	0.2%	8,555	54.4%	546	3.5%	901	5.7%
Physical and Earth Sciences	10	0.1%	6,105	71.7%	297	3.5%	392	4.6%
Public Administration and Services	61	0.2%	15,088	53.8%	844	3.0%	1,320	4.7%
Social and Behavioral Sciences	58	0.2%	18,862	57.2%	1,301	3.9%	1,934	5.9%
Other Fields	59	0.2%	18,145	60.5%	946	3.2%	1,806	6.0%

Notes: This table only includes U.S. citizens and permanent residents. See Table 2.9 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 2017**

Carnegie Classification and Institution Type *	Total	Men		Women		Full-Time		Part-Time	
<b>Total</b>	<b>1,840,435</b>	<b>764,981</b>	<b>42.1%</b>	<b>1,050,901</b>	<b>57.9%</b>	<b>1,057,432</b>	<b>57.5%</b>	<b>782,324</b>	<b>42.5%</b>
<i>Public</i>	1,127,718	481,406	43.1%	634,461	56.9%	640,759	56.8%	486,959	43.2%
<i>Private, not-for-profit</i>	587,399	241,220	41.2%	344,189	58.8%	358,503	61.1%	228,217	38.9%
<i>Private, for-profit</i>	92,718	31,062	37.9%	50,944	62.1%	32,389	34.9%	60,329	65.1%
Doctoral: Highest Research	809,830	389,190	48.8%	408,789	51.2%	569,932	70.4%	239,898	29.6%
<i>Public</i>	584,216	276,593	48.3%	295,772	51.7%	397,094	68.0%	187,122	32.0%
<i>Private, not-for-profit</i>	225,614	112,597	49.9%	113,017	50.1%	172,838	76.6%	52,776	23.4%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: Higher Research	295,113	123,695	41.9%	171,418	58.1%	157,864	53.5%	137,249	46.5%
<i>Public</i>	210,262	87,789	41.8%	122,473	58.2%	107,221	51.0%	103,041	49.0%
<i>Private, not-for-profit</i>	84,851	35,906	42.3%	48,945	57.7%	50,643	59.7%	34,208	40.3%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: Moderate Research	232,057	71,136	32.1%	150,209	67.9%	110,761	47.7%	121,296	52.3%
<i>Public</i>	83,428	28,993	34.8%	54,435	65.2%	34,066	40.8%	49,362	59.2%
<i>Private, not-for-profit</i>	88,681	30,991	34.9%	57,690	65.1%	46,227	52.1%	42,454	47.9%
<i>Private, for-profit</i>	59,948	11,152	22.7%	38,084	77.3%	30,468	50.8%	29,480	49.2%
Master's Colleges and Universities	425,300	153,605	36.3%	269,750	63.7%	165,732	39.0%	258,889	61.0%
<i>Public</i>	230,604	81,063	35.2%	149,541	64.8%	89,032	38.6%	141,572	61.4%
<i>Private, not-for-profit</i>	162,569	52,837	32.9%	107,787	67.1%	75,364	46.6%	86,526	53.4%
<i>Private, for-profit</i>	S	S		S		S		S	
Other	78,135	27,355	35.0%	50,735	65.0%	53,143	68.0%	24,992	32.0%
<i>Public</i>	19,208	6,968	36.3%	12,240	63.7%	13,346	69.5%	5,862	30.5%
<i>Private, not-for-profit</i>	25,684	8,889	34.7%	16,750	65.3%	13,431	52.3%	12,253	47.7%
<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 2017**

Broad Field	Total	Men		Women		Full-Time		Part-Time	
<b>Total</b>	<b>1,840,435</b>	<b>764,981</b>	<b>42.1%</b>	<b>1,050,901</b>	<b>57.9%</b>	<b>1,057,432</b>	<b>57.5%</b>	<b>782,324</b>	<b>42.5%</b>
Arts and Humanities	100,584	43,969	43.8%	56,383	56.2%	69,562	69.2%	31,022	30.8%
Biological and Agricultural Sciences	94,835	42,477	45.5%	50,965	54.5%	72,726	76.7%	22,109	23.3%
Business	265,325	140,503	54.2%	118,628	45.8%	129,831	49.4%	132,778	50.6%
Education	294,249	72,346	25.0%	216,464	75.0%	110,565	37.7%	182,777	62.3%
Engineering	160,822	119,770	74.8%	40,370	25.2%	115,381	71.7%	45,441	28.3%
Health Sciences	240,616	53,147	22.1%	186,889	77.9%	140,079	58.2%	100,537	41.8%
Mathematics and Computer Sciences	115,598	77,555	67.9%	36,590	32.1%	72,053	62.7%	42,834	37.3%
Physical and Earth Sciences	54,708	33,897	62.3%	20,532	37.7%	46,072	84.2%	8,636	15.8%
Public Administration and Services	83,775	19,008	22.7%	64,579	77.3%	52,408	62.6%	31,367	37.4%
Social and Behavioral Sciences	139,827	50,570	37.0%	86,035	63.0%	94,544	67.9%	44,604	32.1%
Other Fields	118,560	48,941	41.4%	69,355	58.6%	59,925	50.5%	58,635	49.5%

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 2017**

Broad Field	Men				Women			
	Full-Time		Part-Time		Full-Time		Part-Time	
<b>Total</b>	<b>461,389</b>	<b>60.3%</b>	<b>303,592</b>	<b>39.7%</b>	<b>579,729</b>	<b>55.2%</b>	<b>471,172</b>	<b>44.8%</b>
Arts and Humanities	30,560	69.5%	13,408	30.5%	38,773	68.8%	17,603	31.2%
Biological and Agricultural Sciences	32,644	76.9%	9,833	23.1%	38,713	76.0%	12,252	24.0%
Business	70,334	50.1%	70,169	49.9%	57,907	48.8%	60,721	51.2%
Education	27,746	38.4%	44,562	61.6%	80,404	37.2%	135,821	62.8%
Engineering	84,663	70.7%	35,107	29.3%	30,051	74.4%	10,319	25.6%
Health Sciences	34,697	65.3%	18,450	34.7%	104,813	56.1%	82,076	43.9%
Mathematics and Computer Sciences	47,463	61.2%	30,092	38.8%	24,025	65.7%	12,565	34.3%
Physical and Earth Sciences	28,801	85.0%	5,096	15.0%	16,994	82.8%	3,538	17.2%
Public Administration and Services	10,706	56.3%	8,302	43.7%	41,611	64.4%	22,968	35.6%
Social and Behavioral Sciences	34,667	68.6%	15,900	31.4%	58,948	68.5%	27,087	31.5%
Other Fields	24,332	49.7%	24,609	50.3%	35,465	51.1%	33,888	48.9%

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.15: Total Graduate Enrollment by Broad Field and Degree Level, Fall 2017**

Broad Field	Total	Doctoral		Master's/Other *	
<b>Total</b>	<b>1,840,435</b>	<b>477,244</b>	<b>26.0%</b>	<b>1,361,027</b>	<b>74.0%</b>
Arts and Humanities	100,584	38,035	37.9%	62,354	62.1%
Biological and Agricultural Sciences	94,835	51,410	54.2%	43,404	45.8%
Business	265,325	16,249	6.1%	249,168	93.9%
Education	294,249	61,383	20.9%	232,399	79.1%
Engineering	160,822	63,832	39.4%	97,983	60.6%
Health Sciences	240,616	63,249	26.3%	177,120	73.7%
Mathematics and Computer Sciences	115,598	26,756	23.2%	88,760	76.8%
Physical and Earth Sciences	54,708	40,304	73.7%	14,414	26.3%
Public Administration and Services	83,775	6,201	7.4%	77,501	92.6%
Social and Behavioral Sciences	139,827	60,264	43.1%	79,471	56.9%
Other Fields	118,560	15,837	13.4%	102,463	86.6%

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

Notes: Because not all institutions responded to all items, details may not sum to totals. Percentages are based on total of known 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 2017**

Broad Field	Doctoral				Master's/Other *			
	Men		Women		Men		Women	
<b>Total</b>	<b>222,787</b>	<b>48.1%</b>	<b>240,022</b>	<b>51.9%</b>	<b>541,972</b>	<b>40.1%</b>	<b>810,203</b>	<b>59.9%</b>
Arts and Humanities	17,842	47.1%	20,048	52.9%	26,013	41.8%	36,167	58.2%
Biological and Agricultural Sciences	24,009	47.7%	26,327	52.3%	18,461	42.8%	24,624	57.2%
Business	7,254	53.7%	6,253	46.3%	133,203	54.2%	112,449	45.8%
Education	18,434	31.8%	39,447	68.2%	53,702	23.4%	176,265	76.6%
Engineering	47,477	74.9%	15,943	25.1%	73,025	74.7%	24,688	25.3%
Health Sciences	18,466	29.3%	44,649	70.7%	34,641	19.6%	142,033	80.4%
Mathematics and Computer Sciences	19,152	73.2%	7,006	26.8%	58,362	66.4%	29,567	33.6%
Physical and Earth Sciences	26,024	65.0%	14,023	35.0%	7,884	54.8%	6,508	45.2%
Public Administration and Services	2,012	33.1%	4,070	66.9%	16,915	21.9%	60,164	78.1%
Social and Behavioral Sciences	22,929	39.0%	35,886	61.0%	27,543	35.5%	49,968	64.5%
Other Fields	7,481	47.9%	8,141	52.1%	41,352	40.4%	61,060	59.6%

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

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

Source: CBS/GRE Survey of Graduate Enrollment and Degrees

**Table B.17: Total Graduate Enrollment by Institution Type, Carnegie Classification, and Citizenship, Fall 2017**

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>1,840,435</b>	<b>1,490,914</b>	<b>81.5%</b>	<b>339,038</b>	<b>18.5%</b>
Institution Type					
Public	1,127,718	910,280	81.0%	213,049	19.0%
Private, not-for-profit	587,399	467,782	79.3%	122,460	20.7%
Private, for-profit	92,718	81,612	97.4%	2,170	2.6%
Carnegie Classification *					
Doctoral: Highest Research	809,830	580,077	71.7%	228,745	28.3%
Doctoral: Higher Research	295,113	246,710	82.4%	52,860	17.6%
Doctoral: Moderate Research	232,057	203,056	91.1%	19,955	8.9%
Master's Colleges and Universities	425,300	391,600	93.1%	29,181	6.9%
Other	78,135	69,471	89.3%	8,297	10.7%

\* 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.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.18: Total Graduate Enrollment by Broad Field and Citizenship, Fall 2017**

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>1,840,435</b>	<b>1,490,914</b>	<b>81.5%</b>	<b>339,038</b>	<b>18.5%</b>
Arts and Humanities	100,584	82,943	82.9%	17,098	17.1%
Biological and Agricultural Sciences	94,835	74,468	78.7%	20,138	21.3%
Business	265,325	215,234	83.3%	43,287	16.7%
Education	294,249	277,173	96.2%	10,901	3.8%
Engineering	160,822	76,391	47.3%	85,024	52.7%
Health Sciences	240,616	226,750	94.9%	12,091	5.1%
Mathematics and Computer Sciences	115,598	54,867	48.0%	59,408	52.0%
Physical and Earth Sciences	54,708	36,637	67.2%	17,922	32.8%
Public Administration and Services	83,775	79,935	96.3%	3,075	3.7%
Social and Behavioral Sciences	139,827	115,975	84.7%	20,988	15.3%
Other Fields	118,560	100,440	85.1%	17,544	14.9%

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 2017**

Citizenship and Race/Ethnicity	Total	Men		Women	
<b>Total</b>	<b>1,840,435</b>	<b>764,981</b>	<b>42.1%</b>	<b>1,050,901</b>	<b>57.9%</b>
U.S. Citizens and Permanent Residents	1,490,914	568,872	38.6%	905,831	61.4%
Hispanic/Latino	155,936	56,999	37.0%	97,175	63.0%
<i>Non-Hispanic:</i>					
American Indian/Alaska Native	7,372	2,539	35.1%	4,696	64.9%
Asian	98,483	42,918	44.5%	53,593	55.5%
Black/African American	188,838	56,765	30.4%	130,006	69.6%
Native Hawaiian/ Other Pacific Islander	2,929	1,136	39.3%	1,753	60.7%
White	908,121	357,474	39.8%	541,775	60.2%
Two or More Races	41,307	15,541	37.9%	25,516	62.1%
Race/Ethnicity Unknown	91,149	36,461	40.5%	53,577	59.5%
Temporary Residents	339,038	193,251	58.0%	140,118	42.0%
Citizenship Unknown	10,514	1,653	45.4%	1,987	54.6%

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 2017  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/ African American	
<b>Total</b>	<b>155,936</b>	<b>10.4%</b>	<b>7,372</b>	<b>0.5%</b>	<b>98,483</b>	<b>6.6%</b>	<b>188,838</b>	<b>12.6%</b>
Arts and Humanities	8,991	10.8%	446	0.5%	3,718	4.5%	4,833	5.8%
Biological and Agricultural Sciences	6,847	9.2%	332	0.4%	6,902	9.3%	4,470	6.0%
Business	21,092	9.8%	833	0.4%	18,293	8.5%	31,606	14.7%
Education	32,286	11.6%	1,599	0.6%	9,101	3.3%	37,659	13.5%
Engineering	7,341	9.6%	230	0.3%	9,955	13.0%	4,331	5.7%
Health Sciences	17,785	7.8%	1,059	0.5%	17,904	7.9%	27,250	12.0%
Mathematics and Computer Sciences	4,686	8.5%	131	0.2%	8,120	14.8%	5,840	10.6%
Physical and Earth Sciences	3,157	8.6%	146	0.4%	2,513	6.9%	1,222	3.3%
Public Administration and Services	11,307	14.1%	633	0.8%	2,573	3.2%	16,503	20.6%
Social and Behavioral Sciences	14,138	12.2%	754	0.6%	6,089	5.2%	15,269	13.1%
Other Fields	10,997	10.9%	653	0.7%	4,710	4.7%	11,811	11.8%

Broad Field	Native Hawaiian/ Other Pacific Islander		White		Two or More Races		Race/ Ethnicity Unknown	
<b>Total</b>	<b>2,929</b>	<b>0.2%</b>	<b>908,121</b>	<b>60.8%</b>	<b>41,307</b>	<b>2.8%</b>	<b>91,149</b>	<b>6.1%</b>
Arts and Humanities	139	0.2%	57,140	68.9%	2,891	3.5%	4,785	5.8%
Biological and Agricultural Sciences	106	0.1%	49,711	66.8%	2,590	3.5%	3,513	4.7%
Business	892	0.4%	123,532	57.3%	5,275	2.4%	14,008	6.5%
Education	570	0.2%	177,673	63.7%	6,509	2.3%	13,485	4.8%
Engineering	107	0.1%	48,261	63.2%	2,491	3.3%	3,675	4.8%
Health Sciences	463	0.2%	142,947	63.0%	5,893	2.6%	13,649	6.0%
Mathematics and Computer Sciences	114	0.2%	30,792	56.1%	1,742	3.2%	3,442	6.3%
Physical and Earth Sciences	48	0.1%	26,591	72.6%	1,187	3.2%	1,773	4.8%
Public Administration and Services	188	0.2%	42,905	53.6%	2,367	3.0%	3,572	4.5%
Social and Behavioral Sciences	215	0.2%	68,693	59.1%	4,165	3.6%	6,817	5.9%
Other Fields	200	0.2%	62,767	62.5%	2,980	3.0%	6,322	6.3%

Notes: This table only includes U.S. citizens and permanent residents. See Table 2.18 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, 2016-17**

Carnegie Classification and Institution Type *	Doctoral Degrees		Master's Degrees		Certificates	
<b>Total</b>	<b>79,738</b>	<b>100.0%</b>	<b>597,304</b>	<b>100.0%</b>	<b>39,049</b>	<b>100.0%</b>
<i>Public</i>	51,651	65.5%	358,667	61.4%	23,364	61.3%
<i>Private, not-for-profit</i>	24,456	31.0%	201,190	34.5%	13,945	36.6%
<i>Private, for-profit</i>	2,734	3.5%	23,905	4.1%	813	2.1%
Doctoral: Highest Research	49,050	61.5%	251,192	42.1%	13,693	35.1%
<i>Public</i>	36,760	74.9%	178,920	71.2%	9,236	67.5%
<i>Private, not-for-profit</i>	12,290	25.1%	72,272	28.8%	4,457	32.5%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral: Higher Research	13,592	17.0%	94,448	15.8%	7,640	19.6%
<i>Public</i>	9,115	67.1%	63,503	67.2%	5,278	69.1%
<i>Private, not-for-profit</i>	4,477	32.9%	30,945	32.8%	2,362	30.9%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral: Moderate Research	7,362	9.2%	67,932	11.4%	4,344	11.1%
<i>Public</i>	1,873	25.4%	28,206	41.5%	1,453	33.4%
<i>Private, not-for-profit</i>	2,755	37.4%	29,459	43.4%	2,078	47.8%
<i>Private, for-profit</i>	2,734	37.1%	10,267	15.1%	813	18.7%
Master's Colleges and Universities	5,640	7.1%	158,002	26.5%	11,191	28.7%
<i>Public</i>	2,245	39.8%	83,739	53.0%	6,947	62.1%
<i>Private, not-for-profit</i>	3,395	60.2%	61,067	38.6%	4,244	37.9%
<i>Private, for-profit</i>	S		S		S	
Other	4,094	5.1%	25,730	4.3%	2,181	5.6%
<i>Public</i>	1,658	51.9%	4,299	35.3%	450	35.9%
<i>Private, not-for-profit</i>	1,539	48.1%	7,447	61.1%	804	64.1%
<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, 2016-17**

Broad Field	Doctoral Degrees		Master's Degrees		Certificates	
<b>Total</b>	<b>79,738</b>	<b>100.0%</b>	<b>597,304</b>	<b>100.0%</b>	<b>39,049</b>	<b>100.0%</b>
Arts and Humanities	5,528	7.6%	25,488	4.9%	973	2.8%
Biological and Agricultural Sciences	8,590	11.8%	18,674	3.6%	923	2.6%
Business	2,324	3.2%	109,099	20.8%	5,060	14.4%
Education	9,453	12.9%	98,318	18.8%	11,873	33.7%
Engineering	9,656	13.2%	50,359	9.6%	1,532	4.4%
Health Sciences	14,969	20.5%	64,478	12.3%	4,881	13.9%
Mathematics and Computer Sciences	3,353	4.6%	41,027	7.8%	1,757	5.0%
Physical and Earth Sciences	5,852	8.0%	8,043	1.5%	450	1.3%
Public Administration and Services	1,310	1.8%	31,930	6.1%	1,008	2.9%
Social and Behavioral Sciences	9,408	12.9%	35,900	6.9%	2,730	7.8%
Other Fields	2,582	3.5%	40,650	7.8%	4,003	11.4%

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.23: Graduate Certificates Awarded by Broad Field and Gender, 2016-17**

Broad Field	Total	Men		Women	
<b>Total</b>	<b>39,049</b>	<b>13,939</b>	<b>36.0%</b>	<b>24,824</b>	<b>64.0%</b>
Arts and Humanities	973	371	38.2%	601	61.8%
Biological and Agricultural Sciences	923	380	41.6%	533	58.4%
Business	5,060	2,496	49.7%	2,531	50.3%
Education	11,873	2,423	22.0%	8,606	78.0%
Engineering	1,532	1,148	75.0%	383	25.0%
Health Sciences	4,881	1,118	23.0%	3,746	77.0%
Mathematics and Computer Sciences	1,757	1,106	63.5%	636	36.5%
Physical and Earth Sciences	450	278	61.8%	172	38.2%
Public Administration and Services	1,008	277	28.2%	706	71.8%
Social and Behavioral Sciences	2,730	983	36.6%	1,703	63.4%
Other Fields	4,003	1,426	35.8%	2,554	64.2%

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.24: Master's Degrees Awarded by Broad Field and Gender, 2016-17**

Broad Field	Total	Men		Women	
<b>Total</b>	<b>597,304</b>	<b>252,526</b>	<b>42.7%</b>	<b>338,596</b>	<b>57.3%</b>
Arts and Humanities	25,488	10,969	43.2%	14,433	56.8%
Biological and Agricultural Sciences	18,674	8,120	43.9%	10,364	56.1%
Business	109,099	60,923	56.2%	47,577	43.8%
Education	98,318	22,560	23.1%	75,112	76.9%
Engineering	50,359	37,564	74.6%	12,775	25.4%
Health Sciences	64,478	12,842	20.0%	51,353	80.0%
Mathematics and Computer Sciences	41,027	27,346	66.8%	13,599	33.2%
Physical and Earth Sciences	8,043	4,626	57.6%	3,400	42.4%
Public Administration and Services	31,930	6,916	21.8%	24,786	78.2%
Social and Behavioral Sciences	35,900	13,329	37.4%	22,357	62.6%
Other Fields	40,650	16,888	41.7%	23,609	58.3%

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

**Table B.25: Doctoral Degrees Awarded by Broad Field and Gender, 2016-17**

Broad Field	Total	Men		Women	
<b>Total</b>	<b>79,738</b>	<b>37,062</b>	<b>47.0%</b>	<b>41,717</b>	<b>53.0%</b>
Arts and Humanities	5,528	2,553	46.8%	2,900	53.2%
Biological and Agricultural Sciences	8,590	3,974	47.4%	4,409	52.6%
Business	2,324	1,148	51.1%	1,099	48.9%
Education	9,453	2,875	31.2%	6,339	68.8%
Engineering	9,656	7,372	76.6%	2,248	23.4%
Health Sciences	14,969	4,432	29.7%	10,502	70.3%
Mathematics and Computer Sciences	3,353	2,489	74.9%	835	25.1%
Physical and Earth Sciences	5,852	3,832	65.9%	1,984	34.1%
Public Administration and Services	1,310	315	24.4%	978	75.6%
Social and Behavioral Sciences	9,408	3,624	38.9%	5,693	61.1%
Other Fields	2,582	1,212	47.6%	1,334	52.4%

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, 2007 to 2017

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**Table C.1: Applications for Admission to Graduate School by Institution Type, Carnegie Classification, and Degree Level, 2007 to 2017**

Institution Type, Carnegie Classification, and Degree Level	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-1.8%</b>	<b>1.0%</b>	<b>4.0%</b>
Institution Type			
<i>Public</i>	-3.7%	0.7%	3.5%
<i>Private, not-for-profit</i>	1.4%	1.4%	5.1%
<i>Private, for-profit</i>	5.6%	N/A	N/A
Carnegie Classification *			
<i>Doctoral: Highest Research</i>	-0.1%	1.3%	4.4%
<i>Doctoral: Higher Research</i>	-3.8%	-1.2%	2.5%
<i>Doctoral: Moderate Research</i>	-9.1%	1.5%	3.7%
<i>Master's Colleges and Universities</i>	-4.9%	1.7%	3.4%
<i>Other</i>	-2.8%	0.6%	6.6%
Degree Level			
<i>Doctoral</i>	-2.0%	-1.1%	2.0%
<i>Master's/Other **</i>	-1.8%	2.1%	5.2%

\* 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, 2007 to 2017**

Broad Field	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-1.8%</b>	<b>1.0%</b>	<b>4.0%</b>
Arts and Humanities	-1.8%	-3.1%	-0.6%
Biological and Agricultural Sciences	-0.4%	-0.4%	2.7%
Business	4.5%	2.4%	4.8%
Education	1.8%	-1.4%	0.1%
Engineering	-7.3%	1.0%	5.6%
Health Sciences	0.6%	4.4%	11.6%
Mathematics and Computer Sciences	1.7%	12.3%	15.5%
Physical and Earth Sciences	-0.6%	-0.2%	3.4%
Public Administration and Services	1.9%	-0.2%	3.6%
Social and Behavioral Sciences	0.4%	-2.4%	1.3%
Other Fields	2.7%	-0.9%	1.6%

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, 2012 to 2017**

Broad Field	Doctoral		Master's/Other *	
	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017
<b>Total</b>	<b>-2.0%</b>	<b>-1.1%</b>	<b>-1.8%</b>	<b>2.1%</b>
Arts and Humanities	-3.2%	-3.5%	-0.9%	-2.9%
Biological and Agricultural Sciences	0.0%	-1.4%	-1.0%	1.2%
Business	7.9%	0.9%	4.2%	2.5%
Education	0.6%	-1.6%	2.0%	-1.3%
Engineering	0.4%	-1.1%	-10.7%	2.2%
Health Sciences	-3.6%	3.7%	2.2%	4.7%
Mathematics and Computer Sciences	8.3%	2.0%	-0.1%	17.4%
Physical and Earth Sciences	1.1%	0.5%	-7.4%	-2.8%
Public Administration and Services	7.9%	-1.6%	1.5%	-0.1%
Social and Behavioral Sciences	-0.2%	-2.4%	1.4%	-2.3%
Other Fields	6.3%	-3.3%	2.1%	-0.4%

\* 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, 2007 to 2017**

Carnegie Classification and Institution Type *	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-0.1%</b>	<b>2.0%</b>	<b>2.2%</b>
<i>Public</i>	0.3%	1.9%	1.9%
<i>Private, not-for-profit</i>	0.2%	2.3%	3.1%
<i>Private, for-profit</i>	S	N/A	N/A
<b>Doctoral: Highest Research</b>	<b>3.0%</b>	<b>3.6%</b>	<b>3.6%</b>
<i>Public</i>	1.4%	3.0%	3.0%
<i>Private, not-for-profit</i>	6.8%	4.9%	5.0%
<i>Private, for-profit</i>	N/A	N/A	N/A
<b>Doctoral: Higher Research</b>	<b>-4.2%</b>	<b>-0.0%</b>	<b>0.6%</b>
<i>Public</i>	-0.5%	0.2%	0.4%
<i>Private, not-for-profit</i>	-12.5%	-0.7%	1.1%
<i>Private, for-profit</i>	N/A	N/A	N/A
<b>Doctoral: Moderate Research</b>	<b>-7.1%</b>	<b>-0.1%</b>	<b>0.6%</b>
<i>Public</i>	-7.0%	-0.6%	-0.4%
<i>Private, not-for-profit</i>	-3.4%	1.6%	1.5%
<i>Private, for-profit</i>	S	N/A	N/A
<b>Master's Colleges and Universities</b>	<b>0.1%</b>	<b>1.3%</b>	<b>1.3%</b>
<i>Public</i>	0.8%	1.2%	0.9%
<i>Private, not-for-profit</i>	-1.2%	1.5%	2.2%
<i>Private, for-profit</i>	N/A	N/A	N/A
<b>Other</b>	<b>-1.7%</b>	<b>-0.9%</b>	<b>2.4%</b>
<i>Public</i>	-0.8%	5.6%	2.5%
<i>Private, not-for-profit</i>	-2.3%	-3.7%	2.2%
<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, 2007 to 2017**

Citizenship and Race/Ethnicity	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-0.1%</b>	<b>2.0%</b>	<b>2.2%</b>
U.S. Citizens and Permanent Residents	1.1%	1.6%	1.9%
<i>American Indian/Alaska Native</i>	-6.5%	-2.1%	-1.9%
<i>Asian/Pacific Islander</i> *	4.5%	4.4%	4.6%
<i>Black/African American</i>	2.2%	2.9%	3.3%
<i>Hispanic/Latino</i>	5.6%	8.0%	8.1%
<i>White</i>	-0.2%	0.2%	0.8%
Temporary Residents	-3.7%	4.7%	5.6%
Other/Unknown **	-1.7%	-0.3%	-0.9%

\* 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, 2007 to 2017**

Citizenship and Race/Ethnicity	% Change, 2016 to 2017	Men		Women		
		Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-0.9%</b>	<b>1.7%</b>	<b>2.3%</b>	<b>0.4%</b>	<b>2.1%</b>	<b>2.1%</b>
U.S. Citizens and Permanent Residents	1.2%	1.2%	2.1%	1.0%	1.9%	1.8%
<i>American Indian/Alaska Native</i>	-6.6%	-3.8%	-2.6%	-6.5%	-1.3%	-1.4%
<i>Asian/Pacific Islander</i> *	5.7%	3.8%	4.6%	3.1%	4.8%	4.6%
<i>Black/African American</i>	3.0%	3.5%	4.5%	1.8%	2.7%	2.9%
<i>Hispanic/Latino</i>	7.9%	7.6%	9.1%	4.2%	8.2%	7.6%
<i>White</i>	-0.7%	-0.2%	1.0%	0.1%	0.5%	0.7%
Temporary Residents	-4.8%	4.4%	4.7%	-2.8%	4.5%	6.7%
Other/Unknown **	-3.3%	-1.5%	-1.7%	-0.2%	0.7%	-0.2%

\* 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, 2007 to 2017**

Broad Field	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-0.1%</b>	<b>2.0%</b>	<b>2.2%</b>
Arts and Humanities	-2.3%	-2.7%	-1.6%
Biological and Agricultural Sciences	2.9%	2.5%	3.1%
Business	3.7%	2.6%	2.9%
Education	-4.4%	-1.3%	-1.3%
Engineering	-3.8%	2.7%	4.1%
Health Sciences	1.9%	4.0%	6.9%
Mathematics and Computer Sciences	3.8%	12.8%	12.1%
Physical and Earth Sciences	-2.5%	-0.5%	1.2%
Public Administration and Services	0.0%	1.1%	2.5%
Social and Behavioral Sciences	-2.4%	-0.9%	0.1%
Other Fields	2.5%	1.3%	-0.2%

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, 2007 to 2017**

Broad Field	% Change, 2016 to 2017	Full-Time		% Change, 2016 to 2017	Part-Time	
		Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017		Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-0.5%</b>	<b>2.1%</b>	<b>3.0%</b>	<b>0.9%</b>	<b>1.5%</b>	<b>0.7%</b>
Arts and Humanities	-1.3%	-2.3%	-1.0%	-6.9%	-4.2%	-3.7%
Biological and Agricultural Sciences	4.5%	2.6%	3.0%	-6.4%	0.8%	2.9%
Business	2.1%	2.0%	3.7%	7.2%	4.0%	1.5%
Education	-4.1%	-2.4%	-1.5%	-4.7%	-0.2%	-1.1%
Engineering	-4.1%	3.0%	4.7%	-2.4%	1.6%	1.5%
Health Sciences	1.0%	4.2%	7.1%	3.9%	3.3%	6.4%
Mathematics and Computer Sciences	-0.6%	11.9%	12.1%	21.0%	16.4%	12.2%
Physical and Earth Sciences	-2.6%	-0.1%	1.5%	-2.2%	-4.0%	-1.1%
Public Administration and Services	0.7%	1.5%	3.2%	-1.4%	0.2%	1.1%
Social and Behavioral Sciences	-1.8%	-1.2%	0.4%	-4.3%	0.3%	-0.9%
Other Fields	1.8%	1.3%	1.0%	4.0%	1.2%	-2.1%

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, 2007 to 2017**

Broad Field	U.S. Citizens and Permanent Residents			Temporary Residents		
	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>1.1%</b>	<b>1.6%</b>	<b>1.9%</b>	<b>-3.7%</b>	<b>4.7%</b>	<b>5.6%</b>
Arts and Humanities	-2.1%	-3.0%	-1.8%	-6.8%	2.2%	2.6%
Biological and Agricultural Sciences	1.4%	3.0%	4.0%	6.8%	2.0%	1.2%
Business	5.7%	4.2%	3.5%	-2.5%	-0.9%	3.1%
Education	-3.8%	-1.0%	-1.1%	-14.1%	-2.1%	-0.2%
Engineering	1.6%	2.2%	3.9%	-8.9%	3.6%	5.0%
Health Sciences	1.9%	4.0%	7.3%	-2.8%	2.4%	1.9%
Mathematics and Computer Sciences	17.2%	9.9%	9.3%	-3.4%	15.9%	15.4%
Physical and Earth Sciences	-3.5%	-0.3%	1.7%	-1.1%	-0.1%	1.1%
Public Administration and Services	-0.6%	1.4%	3.0%	9.2%	0.8%	3.3%
Social and Behavioral Sciences	-2.5%	-1.4%	-0.1%	-3.7%	2.3%	3.6%
Other Fields	3.0%	0.6%	-0.9%	-1.8%	5.3%	7.2%

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, 2007 to 2017  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	% Change, '16 – '17	Avg. Annual % Change, '12 – '17	Avg. Annual % Change, '07 – '17	% Change, '16 – '17	Avg. Annual % Change, '12 – '17	Avg. Annual % Change, '07 – '17	% Change, '16 – '17	Avg. Annual % Change, '12 – '17	Avg. Annual % Change, '07 – '17
	<b>American Indian/Alaska Native</b>			<b>Asian/Pacific Islander *</b>			<b>Black/African American</b>		
<b>Total</b>	<b>-6.5%</b>	<b>-2.1%</b>	<b>-1.9%</b>	<b>4.5%</b>	<b>4.4%</b>	<b>4.6%</b>	<b>2.2%</b>	<b>2.9%</b>	<b>3.3%</b>
Arts & Humanities	-24.8%	-6.7%	-5.5%	1.1%	0.5%	0.5%	5.7%	1.9%	1.8%
Bio. & Agric. Sci.	-5.7%	-0.0%	-2.2%	3.1%	6.8%	6.5%	17.8%	9.1%	7.5%
Business	-15.1%	-2.7%	-0.5%	6.9%	3.2%	2.7%	8.7%	6.3%	6.8%
Education	-7.7%	-3.0%	-2.9%	-3.0%	-0.8%	1.9%	-1.4%	-1.1%	-0.3%
Engineering	14.0%	-1.2%	-3.9%	2.8%	3.4%	3.6%	3.1%	3.8%	3.5%
Health Sciences	9.2%	1.9%	0.8%	5.1%	7.5%	10.3%	2.1%	4.6%	12.4%
Math & Comp. Sci.	-29.0%	1.0%	-3.6%	23.7%	22.3%	19.2%	14.5%	9.4%	11.1%
Physical & Earth Sci.	-20.0%	-3.8%	-1.9%	-1.5%	0.7%	3.8%	-3.3%	2.1%	1.6%
Public Admin. & Svcs.	-10.3%	-2.6%	-0.6%	1.8%	1.3%	2.5%	2.1%	2.7%	4.3%
Social & Behav. Sci.	-15.9%	-5.8%	-4.0%	-2.2%	-0.4%	1.1%	2.7%	1.2%	1.0%
Other Fields	3.5%	1.2%	-1.3%	10.1%	3.8%	1.5%	1.3%	3.5%	1.4%
	<b>Hispanic/Latino</b>			<b>White</b>					
<b>Total</b>	<b>5.6%</b>	<b>8.0%</b>	<b>8.1%</b>	<b>-0.2%</b>	<b>0.2%</b>	<b>0.8%</b>			
Arts & Humanities	7.0%	2.2%	1.8%	-4.1%	-4.1%	-2.5%			
Bio. & Agric. Sci.	4.7%	12.2%	14.4%	-0.7%	1.1%	2.6%			
Business	11.2%	11.2%	7.9%	4.2%	3.2%	2.7%			
Education	-2.5%	3.9%	3.1%	-4.5%	-1.7%	-1.9%			
Engineering	10.3%	8.0%	15.6%	-0.2%	1.1%	3.0%			
Health Sciences	9.0%	13.1%	18.4%	0.5%	2.6%	5.6%			
Math & Comp. Sci.	21.8%	19.1%	11.8%	15.1%	6.5%	7.0%			
Physical & Earth Sci.	2.4%	9.8%	13.6%	-4.3%	-1.3%	0.8%			
Public Admin. & Svcs.	2.4%	8.7%	12.5%	-2.4%	-0.2%	1.4%			
Social & Behav. Sci.	5.1%	3.0%	3.4%	-5.0%	-2.6%	-0.9%			
Other Fields	10.5%	8.1%	8.3%	1.3%	-1.0%	-2.1%			

\* 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, 2007 to 2017**

Broad Field	Men			Women		
	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-0.9%</b>	<b>1.7%</b>	<b>2.3%</b>	<b>0.4%</b>	<b>2.1%</b>	<b>2.1%</b>
Arts and Humanities	-2.9%	-2.9%	-1.7%	-1.8%	-2.5%	-1.4%
Biological and Agricultural Sciences	1.0%	1.1%	2.7%	3.9%	3.7%	3.5%
Business	1.6%	1.9%	2.1%	6.2%	3.5%	4.1%
Education	-5.9%	-1.6%	-1.4%	-3.9%	-1.2%	-1.2%
Engineering	-4.5%	2.1%	3.4%	-2.0%	4.6%	6.4%
Health Sciences	0.9%	3.9%	7.3%	2.1%	4.1%	6.8%
Mathematics and Computer Sciences	4.8%	11.5%	11.1%	1.6%	15.9%	14.7%
Physical and Earth Sciences	-4.2%	-1.3%	0.8%	0.2%	0.7%	1.8%
Public Administration and Services	1.6%	0.6%	1.6%	-0.3%	1.3%	2.8%
Social and Behavioral Sciences	-2.8%	-2.1%	-0.2%	-2.1%	-0.2%	0.4%
Other Fields	0.2%	0.4%	-0.1%	4.0%	1.9%	-0.2%

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, 2012 to 2017**

Broad Field	% Change, 2016 to 2017			Average Annual % Change, 2012 to 2017		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>-0.8%</b>	<b>-2.6%</b>	<b>0.7%</b>	<b>0.5%</b>	<b>-0.6%</b>	<b>1.5%</b>
Arts and Humanities	-5.7%	-9.4%	-1.8%	-2.7%	-2.8%	-2.5%
Biological and Agricultural Sciences	-0.1%	-0.6%	0.1%	0.2%	-1.0%	1.4%
Business	-1.8%	-4.4%	1.7%	2.4%	2.0%	2.9%
Education	-1.5%	-4.8%	0.3%	0.4%	-0.6%	0.9%
Engineering	-0.5%	-1.6%	2.7%	1.5%	1.0%	3.1%
Health Sciences	4.7%	6.4%	3.9%	3.5%	2.0%	4.2%
Mathematics and Computer Sciences	3.4%	3.1%	4.8%	2.3%	1.9%	4.1%
Physical and Earth Sciences	-2.3%	-3.5%	0.2%	0.3%	-0.5%	2.0%
Public Administration and Services	0.9%	-3.2%	2.9%	-1.6%	-3.3%	-0.7%
Social and Behavioral Sciences	-1.6%	-3.8%	-0.1%	-0.9%	-2.4%	0.2%
Other Fields	2.2%	-4.9%	9.1%	-1.6%	-3.3%	0.0%

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, 2012 to 2017 \*

Broad Field	% Change, 2016 to 2017			Average Annual % Change, 2012 to 2017		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>-0.0%</b>	<b>-0.5%</b>	<b>0.2%</b>	<b>2.3%</b>	<b>2.3%</b>	<b>2.2%</b>
Arts and Humanities	-1.9%	-1.3%	-2.3%	-2.7%	-3.0%	-2.4%
Biological and Agricultural Sciences	3.8%	1.5%	5.0%	4.1%	2.8%	5.1%
Business	3.3%	1.2%	5.9%	2.6%	1.9%	3.5%
Education	-5.3%	-6.8%	-4.9%	-1.5%	-1.8%	-1.5%
Engineering	-5.3%	-6.0%	-4.0%	3.1%	2.5%	5.1%
Health Sciences	1.3%	-0.6%	1.7%	4.2%	4.5%	4.1%
Mathematics and Computer Sciences	3.8%	5.1%	1.2%	15.6%	14.2%	18.5%
Physical and Earth Sciences	-4.1%	-6.7%	-0.8%	-2.0%	-2.9%	-0.9%
Public Administration and Services	-0.1%	1.7%	-0.4%	1.2%	0.7%	1.4%
Social and Behavioral Sciences	-2.6%	-2.4%	-2.6%	-1.0%	-2.0%	-0.3%
Other Fields	2.5%	0.7%	3.6%	1.5%	0.8%	2.0%

\* 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, 2007 to 2017**

Carnegie Classification and Institution Type *	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-0.5%</b>	<b>0.2%</b>	<b>0.8%</b>
<i>Public</i>	0.5%	1.1%	1.1%
<i>Private, not-for-profit</i>	-0.1%	0.8%	1.6%
<i>Private, for-profit</i>	-8.2%	S	S
<b>Doctoral: Highest Research</b>	2.6%	2.4%	2.3%
<i>Public</i>	2.1%	2.1%	1.9%
<i>Private, not-for-profit</i>	3.8%	3.1%	3.4%
<i>Private, for-profit</i>	N/A	N/A	N/A
<b>Doctoral: Higher Research</b>	-1.4%	-0.6%	0.4%
<i>Public</i>	-0.8%	-0.1%	0.7%
<i>Private, not-for-profit</i>	-2.8%	-1.9%	-0.4%
<i>Private, for-profit</i>	N/A	N/A	N/A
<b>Doctoral: Moderate Research</b>	-5.6%	-0.4%	0.7%
<i>Public</i>	-5.0%	0.4%	0.6%
<i>Private, not-for-profit</i>	-4.6%	-0.1%	0.4%
<i>Private, for-profit</i>	-8.2%	S	S
<b>Master's Colleges and Universities</b>	-0.9%	0.2%	-0.1%
<i>Public</i>	-0.5%	-0.2%	-0.5%
<i>Private, not-for-profit</i>	-1.6%	0.9%	0.9%
<i>Private, for-profit</i>	S	S	S
<b>Other</b>	-12.3%	-8.8%	-4.8%
<i>Public</i>	-2.8%	0.5%	1.7%
<i>Private, not-for-profit</i>	-5.9%	-4.5%	0.9%
<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, 2007 to 2017**

Citizenship and Race/Ethnicity	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-0.5%</b>	<b>0.2%</b>	<b>0.8%</b>
U.S. Citizens and Permanent Residents	1.2%	-0.3%	0.6%
<i>American Indian/Alaska Native</i>	-0.3%	-3.2%	-3.0%
<i>Asian/Pacific Islander *</i>	3.6%	2.2%	2.7%
<i>Black/African American</i>	3.0%	-0.5%	1.3%
<i>Hispanic/Latino</i>	5.3%	4.8%	6.1%
<i>White</i>	-0.1%	-1.2%	-0.3%
Temporary Residents	-2.4%	4.7%	4.0%
Other/Unknown **	-10.6%	-2.9%	-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, 2007 to 2017**

Citizenship and Race/Ethnicity	% Change, 2016 to 2017	Men		Women		
		Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-1.5%</b>	<b>0.4%</b>	<b>1.0%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.6%</b>
U.S. Citizens and Permanent Residents	0.3%	-0.5%	0.6%	1.5%	-0.2%	0.5%
<i>American Indian/Alaska Native</i>	-2.7%	-3.9%	-3.4%	0.7%	-3.1%	-2.8%
<i>Asian/Pacific Islander *</i>	3.3%	1.8%	2.5%	3.2%	2.5%	2.8%
<i>Black/African American</i>	2.4%	0.0%	2.2%	3.2%	-0.7%	1.0%
<i>Hispanic/Latino</i>	5.6%	4.5%	6.3%	5.0%	4.9%	5.8%
<i>White</i>	-1.2%	-1.5%	-0.2%	0.3%	-1.0%	-0.4%
Temporary Residents	-3.8%	4.8%	3.7%	-1.1%	4.2%	4.3%
Other/Unknown **	-9.8%	-3.3%	-2.3%	-10.9%	-2.5%	-1.7%

\* 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, 2007 to 2017**

Broad Field	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-0.5%</b>	<b>0.2%</b>	<b>0.8%</b>
Arts and Humanities	-2.5%	-2.8%	-1.7%
Biological and Agricultural Sciences	1.0%	1.2%	1.9%
Business	0.5%	0.2%	2.2%
Education	-2.3%	-2.0%	-1.9%
Engineering	-1.7%	2.7%	3.5%
Health Sciences	2.5%	3.9%	8.0%
Mathematics and Computer Sciences	0.7%	10.5%	8.5%
Physical and Earth Sciences	-0.3%	0.2%	1.0%
Public Administration and Services	0.7%	0.6%	2.6%
Social and Behavioral Sciences	-0.1%	-1.6%	-0.4%
Other Fields	1.9%	0.4%	-0.9%

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, 2007 to 2017**

Broad Field	% Change, 2016 to 2017	Full-Time		Part-Time		
		Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-1.9%</b>	<b>0.3%</b>	<b>2.1%</b>	<b>1.8%</b>	<b>0.0%</b>	<b>0.1%</b>
Arts and Humanities	-2.4%	-2.1%	-1.0%	-2.6%	-4.4%	-3.1%
Biological and Agricultural Sciences	1.2%	1.2%	1.7%	0.1%	0.8%	2.0%
Business	-0.9%	0.6%	3.2%	2.0%	-0.3%	0.8%
Education	-2.0%	-2.9%	-1.9%	-2.4%	-1.3%	-1.9%
Engineering	-2.8%	3.2%	4.1%	1.5%	1.4%	2.2%
Health Sciences	0.6%	3.7%	7.5%	5.3%	4.0%	8.9%
Mathematics and Computer Sciences	-2.4%	10.3%	8.9%	7.8%	11.0%	7.8%
Physical and Earth Sciences	0.2%	0.8%	1.4%	-3.0%	-2.6%	-1.0%
Public Administration and Services	0.7%	0.5%	3.4%	0.6%	0.8%	1.3%
Social and Behavioral Sciences	-0.3%	-1.1%	0.2%	0.2%	-2.7%	-1.5%
Other Fields	0.5%	0.4%	0.6%	3.7%	0.3%	-2.4%

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, 2007 to 2017**

Broad Field	U.S. Citizens and Permanent Residents			Temporary Residents		
	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>1.2%</b>	<b>-0.3%</b>	<b>0.6%</b>	<b>-2.4%</b>	<b>4.7%</b>	<b>4.0%</b>
Arts and Humanities	-3.0%	-3.2%	-1.9%	-0.5%	3.0%	2.1%
Biological and Agricultural Sciences	0.8%	1.7%	2.4%	0.5%	0.1%	0.4%
Business	1.4%	0.7%	2.4%	-2.1%	-0.2%	2.6%
Education	-1.8%	-1.9%	-1.8%	-6.3%	-0.7%	-0.3%
Engineering	1.7%	0.4%	2.4%	-4.9%	5.5%	5.1%
Health Sciences	2.7%	3.8%	8.5%	-3.5%	2.5%	2.4%
Mathematics and Computer Sciences	8.4%	5.8%	5.5%	-4.0%	16.1%	12.4%
Physical and Earth Sciences	-0.3%	0.4%	1.4%	-0.3%	0.6%	0.8%
Public Administration and Services	0.6%	1.0%	3.1%	-4.0%	-0.5%	1.6%
Social and Behavioral Sciences	-0.1%	-2.0%	-0.6%	-0.5%	1.7%	1.9%
Other Fields	1.9%	-0.4%	-1.5%	-2.0%	5.5%	5.4%

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, 2007 to 2017  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	% Change, '16 – '17	Avg. Annual % Change, '12 – '17	Avg. Annual % Change, '07 – '17	% Change, '16 – '17	Avg. Annual % Change, '12 – '17	Avg. Annual % Change, '07 – '17	% Change, '16 – '17	Avg. Annual % Change, '12 – '17	Avg. Annual % Change, '07 – '17
	<b>American Indian/Alaska Native</b>			<b>Asian/Pacific Islander *</b>			<b>Black/African American</b>		
<b>Total</b>	<b>-0.3%</b>	<b>-3.2%</b>	<b>-3.0%</b>	<b>3.6%</b>	<b>2.2%</b>	<b>2.7%</b>	<b>3.0%</b>	<b>-0.5%</b>	<b>1.3%</b>
Arts & Humanities	-9.5%	-5.0%	-4.5%	0.1%	-1.4%	-0.5%	5.1%	1.1%	-0.0%
Bio. & Agric. Sci.	-4.1%	-1.1%	-1.9%	2.0%	3.4%	4.5%	5.5%	4.6%	4.0%
Business	-10.0%	-3.7%	-1.8%	5.1%	1.0%	2.1%	0.6%	-0.5%	5.9%
Education	-3.1%	-4.7%	-4.1%	1.1%	-0.5%	0.8%	-1.2%	-2.5%	-1.0%
Engineering	-1.5%	-3.5%	-2.9%	3.8%	0.9%	1.9%	1.6%	1.0%	2.5%
Health Sciences	0.5%	-0.6%	2.7%	3.3%	8.1%	11.9%	4.6%	5.0%	15.5%
Math & Comp. Sci.	8.4%	-1.3%	-1.8%	16.6%	14.8%	9.9%	10.0%	7.4%	9.5%
Physical & Earth Sci.	-4.4%	-2.8%	-2.2%	2.1%	2.2%	4.0%	2.3%	0.2%	0.2%
Public Admin. & Svcs.	0.4%	-0.2%	-0.0%	-1.7%	0.2%	2.5%	2.9%	1.2%	5.3%
Social & Behav. Sci.	-2.2%	-4.5%	-3.1%	-0.2%	-1.6%	0.3%	4.8%	-0.3%	-0.3%
Other Fields	12.9%	1.7%	-2.9%	3.9%	1.6%	0.3%	3.4%	2.9%	0.7%
	<b>Hispanic/Latino</b>			<b>White</b>					
<b>Total</b>	<b>5.3%</b>	<b>4.8%</b>	<b>6.1%</b>	<b>-0.1%</b>	<b>-1.2%</b>	<b>-0.3%</b>			
Arts & Humanities	2.9%	1.1%	2.6%	-4.6%	-4.1%	-2.5%			
Bio. & Agric. Sci.	7.0%	10.0%	11.2%	-0.5%	0.5%	1.4%			
Business	3.9%	5.6%	8.7%	0.6%	0.3%	1.3%			
Education	2.8%	3.1%	3.1%	-3.0%	-2.5%	-2.5%			
Engineering	7.2%	5.3%	9.5%	0.5%	-0.3%	1.9%			
Health Sciences	9.0%	11.0%	18.5%	1.5%	2.6%	6.7%			
Math & Comp. Sci.	13.1%	11.5%	12.9%	5.4%	3.3%	3.7%			
Physical & Earth Sci.	7.1%	9.9%	11.2%	-1.3%	-0.5%	0.7%			
Public Admin. & Svcs.	3.3%	7.2%	11.7%	-0.7%	-0.2%	1.4%			
Social & Behav. Sci.	3.8%	1.6%	4.1%	-1.8%	-2.9%	-1.2%			
Other Fields	7.7%	7.1%	6.8%	0.4%	-1.9%	-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.21: Total Graduate Enrollment by Broad Field and Gender, 2007 to 2017**

Broad Field	Men			Women		
	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017	% Change, 2016 to 2017	Average Annual % Change, 2012 to 2017	Average Annual % Change, 2007 to 2017
<b>Total</b>	<b>-1.5%</b>	<b>0.4%</b>	<b>1.0%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.6%</b>
Arts and Humanities	-2.7%	-2.7%	-1.6%	-2.3%	-2.9%	-1.7%
Biological and Agricultural Sciences	-0.4%	0.6%	1.6%	1.9%	1.8%	2.1%
Business	-0.9%	-0.2%	1.3%	2.1%	0.7%	3.1%
Education	-2.2%	-2.1%	-2.0%	-2.3%	-2.0%	-1.9%
Engineering	-2.6%	2.1%	3.1%	0.8%	4.6%	5.1%
Health Sciences	1.3%	4.2%	8.4%	2.7%	3.8%	8.0%
Mathematics and Computer Sciences	-0.2%	9.2%	7.8%	2.6%	13.9%	10.7%
Physical and Earth Sciences	-1.6%	-0.1%	0.9%	1.6%	0.6%	1.2%
Public Administration and Services	0.1%	-0.6%	1.0%	0.9%	0.9%	3.1%
Social and Behavioral Sciences	-1.6%	-2.1%	-0.3%	0.8%	-1.3%	-0.4%
Other Fields	0.7%	0.3%	-0.7%	2.8%	0.5%	-1.0%

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, 2012 to 2017**

Broad Field	% Change, 2016 to 2017			Average Annual % Change, 2012 to 2017		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>0.1%</b>	<b>-0.9%</b>	<b>1.0%</b>	<b>0.4%</b>	<b>0.2%</b>	<b>0.5%</b>
Arts and Humanities	-3.0%	-3.4%	-2.7%	-2.1%	-2.0%	-2.3%
Biological and Agricultural Sciences	1.0%	0.2%	1.2%	0.4%	0.1%	0.6%
Business	-4.5%	-5.4%	-3.3%	-0.9%	-1.0%	-0.6%
Education	-1.0%	-1.6%	-0.7%	-1.3%	-1.2%	-1.3%
Engineering	2.6%	2.0%	4.9%	2.0%	1.5%	3.7%
Health Sciences	5.0%	4.3%	4.7%	4.9%	4.5%	4.9%
Mathematics and Computer Sciences	3.2%	2.4%	5.9%	2.0%	1.6%	3.2%
Physical and Earth Sciences	1.2%	0.4%	2.5%	1.2%	0.8%	1.8%
Public Administration and Services	0.1%	-4.5%	2.6%	-1.6%	-2.3%	-1.2%
Social and Behavioral Sciences	-0.6%	-2.1%	0.3%	-1.2%	-1.4%	-1.1%
Other Fields	-5.6%	-8.2%	-3.1%	-1.7%	-2.3%	-1.1%

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, 2012 to 2017 \*

Broad Field	% Change, 2016 to 2017			Average Annual % Change, 2012 to 2017		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>-0.9%</b>	<b>-2.0%</b>	<b>-0.3%</b>	<b>0.2%</b>	<b>0.4%</b>	<b>-0.0%</b>
Arts and Humanities	-2.4%	-2.5%	-2.3%	-3.3%	-3.3%	-3.3%
Biological and Agricultural Sciences	0.5%	-1.9%	2.3%	2.6%	1.4%	3.5%
Business	0.4%	-1.1%	2.1%	0.3%	-0.1%	0.8%
Education	-2.9%	-2.8%	-2.9%	-2.2%	-2.4%	-2.1%
Engineering	-4.9%	-5.8%	-2.3%	3.2%	2.6%	5.3%
Health Sciences	1.8%	-0.1%	2.0%	3.5%	4.0%	3.4%
Mathematics and Computer Sciences	-0.1%	-1.0%	1.8%	15.1%	13.5%	18.5%
Physical and Earth Sciences	-5.5%	-9.0%	-1.1%	-2.6%	-3.0%	-2.0%
Public Administration and Services	0.7%	0.7%	0.7%	0.8%	-0.4%	1.1%
Social and Behavioral Sciences	0.4%	-1.2%	1.3%	-1.9%	-2.7%	-1.5%
Other Fields	3.3%	2.8%	3.6%	0.8%	0.9%	0.7%

\* 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, 2006-07 to 2016-17

Degree Level and Institution Type	% Change, '15-16 to '16-17	Average Annual % Change, '11-12 to '16-17	Average Annual % Change, '06-07 to '16-17
<b>Doctoral Degrees</b>	<b>1.7%</b>	<b>3.1%</b>	<b>4.4%</b>
Public	1.2%	3.6%	4.3%
Private, not-for-profit	3.2%	2.3%	4.2%
Private, for-profit	S	S	S
<b>Master's Degrees</b>	<b>4.6%</b>	<b>1.3%</b>	<b>2.7%</b>
Public	7.2%	2.6%	3.5%
Private, not-for-profit	2.7%	1.6%	3.1%
Private, for-profit	-6.6%	S	S
<b>Graduate-Level Certificates</b>	<b>-8.2%</b>	<b>2.3%</b>	<b>N/A</b>
Public	-13.0%	4.1%	N/A
Private, not-for-profit	4.3%	1.3%	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, 2006-07 to 2016-17**

Degree Level and Carnegie Classification *	% Change, '15-16 to '16-17	Average Annual % Change, '11-12 to '16-17	Average Annual % Change, '06-07 to '16-17
<b>Doctoral Degrees</b>	<b>1.7%</b>	<b>3.1%</b>	<b>4.4%</b>
<i>Doctoral: Highest Research</i>	-0.2%	1.8%	2.8%
<i>Doctoral: Higher Research</i>	11.3%	5.5%	6.1%
<i>Doctoral: Moderate Research</i>	-1.2%	2.8%	9.6%
<i>Master's Colleges and Universities</i>	4.9%	16.9%	28.5%
<i>Other</i>	-1.4%	3.1%	10.3%
<b>Master's Degrees</b>	<b>4.6%</b>	<b>1.3%</b>	<b>2.7%</b>
<i>Doctoral: Highest Research</i>	10.1%	4.2%	5.3%
<i>Doctoral: Higher Research</i>	0.9%	0.1%	1.9%
<i>Doctoral: Moderate Research</i>	-2.1%	0.7%	2.0%
<i>Master's Colleges and Universities</i>	3.9%	1.2%	1.6%
<i>Other</i>	-11.8%	-8.9%	-4.5%
<b>Graduate-Level Certificates</b>	<b>-8.2%</b>	<b>2.3%</b>	<b>N/A</b>
<i>Doctoral: Highest Research</i>	-4.7%	11.5%	N/A
<i>Doctoral: Higher Research</i>	-19.1%	5.2%	N/A
<i>Doctoral: Moderate Research</i>	-19.7%	-10.1%	N/A
<i>Master's Colleges and Universities</i>	5.5%	5.9%	N/A
<i>Other</i>	-4.8%	-3.8%	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, 2006-07 to 2016-17**

Degree Level and Institution Type	Men			Women		
	% Change, '15-16 to '16-17	Average Annual % Change, '11-12 to '16-17	Average Annual % Change, '06-07 to '16-17	% Change, '15-16 to '16-17	Average Annual % Change, '11-12 to '16-17	Average Annual % Change, '06-07 to '16-17
<b>Doctoral Degrees</b>	<b>-0.1%</b>	<b>2.7%</b>	<b>3.3%</b>	<b>3.4%</b>	<b>3.4%</b>	<b>5.7%</b>
<i>Public</i>	-0.3%	3.1%	3.4%	2.7%	4.1%	5.4%
<i>Private, not-for-profit</i>	0.7%	2.1%	2.8%	5.5%	2.5%	5.6%
<i>Private, for-profit</i>	S	S	S	S	S	S
<b>Master's Degrees</b>	<b>4.9%</b>	<b>2.2%</b>	<b>3.5%</b>	<b>4.1%</b>	<b>0.8%</b>	<b>2.2%</b>
<i>Public</i>	8.1%	3.8%	4.8%	6.6%	1.8%	2.8%
<i>Private, not-for-profit</i>	1.3%	1.6%	3.1%	2.9%	1.7%	3.1%
<i>Private, for-profit</i>	-6.6%	0.1%	S	-6.6%	0.9%	S
<b>Graduate-Level Certificates</b>	<b>-8.9%</b>	<b>1.4%</b>	<b>N/A</b>	<b>-6.2%</b>	<b>2.6%</b>	<b>N/A</b>
<i>Public</i>	-15.2%	5.8%	N/A	-9.1%	2.8%	N/A
<i>Private, not-for-profit</i>	5.1%	-2.4%	N/A	3.7%	4.0%	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, 2006-07 to 2016-17**

Degree Level and Carnegie Classification *	Men			Women		
	% Change, '15-16 to '16-17	Average Annual % Change, '11-12 to '16-17	Average Annual % Change, '06-07 to '16-17	% Change, '15-16 to '16-17	Average Annual % Change, '11-12 to '16-17	Average Annual % Change, '06-07 to '16-17
<b>Doctoral Degrees</b>	<b>-0.1%</b>	<b>2.7%</b>	<b>3.3%</b>	<b>3.4%</b>	<b>3.4%</b>	<b>5.7%</b>
<i>Doctoral: Highest Research</i>	-1.4%	1.9%	2.2%	1.1%	1.6%	3.6%
<i>Doctoral: Higher Research</i>	6.1%	4.9%	5.2%	15.8%	6.1%	7.3%
<i>Doctoral: Moderate Research</i>	1.4%	2.5%	8.4%	-2.5%	3.0%	10.0%
<i>Master's Colleges and Universities</i>	1.5%	19.4%	30.6%	6.9%	16.3%	26.5%
<i>Other</i>	-3.5%	1.8%	5.2%	-0.1%	4.5%	14.6%
<b>Master's Degrees</b>	<b>4.9%</b>	<b>2.2%</b>	<b>3.5%</b>	<b>4.1%</b>	<b>0.8%</b>	<b>2.2%</b>
<i>Doctoral: Highest Research</i>	10.5%	4.6%	5.6%	10.0%	4.0%	5.1%
<i>Doctoral: Higher Research</i>	-0.8%	0.5%	2.6%	0.5%	-0.1%	1.5%
<i>Doctoral: Moderate Research</i>	-3.1%	1.0%	3.2%	-1.6%	0.5%	1.7%
<i>Master's Colleges and Universities</i>	3.6%	2.5%	2.5%	3.8%	0.6%	1.2%
<i>Other</i>	-13.4%	-8.6%	-5.0%	-10.9%	-9.1%	-4.2%
<b>Graduate-Level Certificates</b>	<b>-8.9%</b>	<b>1.4%</b>	<b>N/A</b>	<b>-6.2%</b>	<b>2.6%</b>	<b>N/A</b>
<i>Doctoral: Highest Research</i>	-10.2%	12.2%	N/A	-1.2%	10.3%	N/A
<i>Doctoral: Higher Research</i>	-16.9%	8.6%	N/A	-14.1%	3.5%	N/A
<i>Doctoral: Moderate Research</i>	-8.3%	-12.2%	N/A	-24.2%	-8.6%	N/A
<i>Master's Colleges and Universities</i>	5.9%	3.8%	N/A	6.0%	7.1%	N/A
<i>Other</i>	-5.0%	-6.4%	N/A	-4.8%	-2.7%	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, 2011-12 to 2016-17**

Broad Field	Total		Men		Women	
	% Change, 2015-16 to 2016-17	% Change, 2011-12 to 2016-17	% Change, 2015-16 to 2016-17	% Change, 2011-12 to 2016-17	% Change, 2015-16 to 2016-17	% Change, 2011-12 to 2016-17
<b>Total</b>	<b>-8.2%</b>	<b>2.3%</b>	<b>-8.9%</b>	<b>1.4%</b>	<b>-6.2%</b>	<b>2.6%</b>
Arts and Humanities	-26.2%	1.4%	-28.1%	3.1%	-24.6%	-1.6%
Biological and Agricultural Sciences	-11.4%	18.8%	-22.6%	17.8%	-2.4%	18.4%
Business	-2.5%	10.3%	-4.6%	11.4%	3.3%	9.3%
Education	9.9%	6.9%	-4.4%	3.0%	2.6%	4.7%
Engineering	-21.8%	9.3%	-24.0%	8.6%	-14.4%	12.2%
Health Sciences	-4.0%	2.7%	-4.1%	1.4%	-3.0%	2.7%
Mathematics and Computer Sciences	15.5%	28.1%	17.0%	28.2%	10.5%	32.0%
Physical and Earth Sciences	16.5%	2.8%	10.3%	-1.9%	29.4%	11.4%
Public Administration and Services	-10.5%	5.1%	-15.0%	1.9%	-9.9%	5.5%
Social and Behavioral Sciences	14.2%	6.5%	13.7%	6.5%	13.5%	3.4%
Other Fields	-11.8%	5.3%	-19.2%	7.6%	-7.0%	3.6%

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, 2006-07 to 2016-17**

Broad Field	Total			Men			Women		
	% Change, '15/16 – '16/17	Avg. Annual % Change, '11/12 – '16/17	Avg. Annual % Change, '06/07 – '16/17	% Change, '15/16 – '16/17	Avg. Annual % Change, '11/12 – '16/17	Avg. Annual % Change, '06/07 – '16/17	% Change, '15/16 – '16/17	Avg. Annual % Change, '11/12 – '16/17	Avg. Annual % Change, '06/07 – '16/17
<b>Total</b>	<b>4.6%</b>	<b>1.3%</b>	<b>2.7%</b>	<b>4.9%</b>	<b>2.2%</b>	<b>3.5%</b>	<b>4.1%</b>	<b>0.8%</b>	<b>2.2%</b>
Arts & Humanities	-4.9%	-2.8%	-0.7%	-2.7%	-2.6%	-0.5%	-6.2%	-2.9%	-0.8%
Bio. & Agric. Sci.	-6.4%	3.8%	5.2%	-12.6%	2.8%	5.3%	-1.1%	4.7%	5.3%
Business	0.2%	0.3%	3.0%	-0.2%	-0.2%	2.3%	0.5%	1.0%	3.9%
Education	0.1%	-3.0%	-1.7%	-3.5%	-3.6%	-1.9%	1.2%	-2.8%	-1.7%
Engineering	2.2%	5.4%	7.6%	1.9%	4.8%	7.2%	2.9%	7.5%	9.4%
Health Sciences	4.7%	6.1%	10.8%	3.9%	7.2%	11.6%	4.8%	5.9%	10.5%
Math & Comp. Sci.	13.6%	19.3%	12.5%	12.4%	18.0%	11.3%	15.9%	22.6%	15.3%
Physical & Earth Sci.	1.5%	1.3%	1.3%	-0.0%	0.9%	1.5%	3.9%	1.9%	1.2%
Public Adm. & Svcs.	1.6%	2.4%	3.6%	0.8%	1.1%	2.0%	1.7%	2.8%	4.1%
Social & Behav. Sci.	-1.1%	-0.7%	1.5%	-2.1%	-1.5%	1.7%	-0.5%	-0.3%	1.3%
Other Fields	4.7%	0.3%	2.0%	1.5%	0.3%	1.9%	6.7%	0.3%	2.0%

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, 2006-07 to 2016-17**

Broad Field	Total			Men			Women		
	% Change, '15/16 – '16/17	Avg. Annual % Change, '11/12 – '16/17	Avg. Annual % Change, '06/07 – '16/17	% Change, '15/16 – '16/17	Avg. Annual % Change, '11/12 – '16/17	Avg. Annual % Change, '06/07 – '16/17	% Change, '15/16 – '16/17	Avg. Annual % Change, '11/12 – '16/17	Avg. Annual % Change, '06/07 – '16/17
<b>Total</b>	<b>1.7%</b>	<b>3.1%</b>	<b>4.4%</b>	<b>-0.1%</b>	<b>2.7%</b>	<b>3.3%</b>	<b>3.4%</b>	<b>3.4%</b>	<b>5.7%</b>
Arts & Humanities	-5.7%	-0.4%	1.7%	-3.0%	-0.4%	1.2%	-8.5%	-0.7%	2.0%
Bio. & Agric. Sci.	-0.9%	1.3%	2.2%	-3.7%	1.2%	1.3%	1.6%	1.3%	3.4%
Business	-2.6%	4.4%	3.1%	-7.2%	3.6%	2.1%	4.5%	5.4%	4.5%
Education	5.2%	2.2%	2.6%	7.5%	1.7%	2.6%	4.3%	2.4%	2.7%
Engineering	-0.8%	3.2%	2.5%	-1.7%	2.8%	2.1%	1.8%	4.3%	4.0%
Health Sciences	5.5%	8.3%	16.9%	4.1%	10.2%	14.2%	6.1%	7.7%	17.8%
Math & Comp. Sci.	-4.8%	1.6%	2.5%	-5.0%	1.7%	2.6%	-3.8%	1.2%	2.3%
Physical & Earth Sci.	-0.7%	2.4%	2.0%	-1.7%	2.2%	1.7%	1.0%	2.8%	2.9%
Public Admin. & Svcs.	10.6%	5.7%	5.4%	22.9%	3.6%	6.3%	5.0%	7.7%	5.4%
Social & Behav. Sci.	0.2%	1.3%	3.3%	-2.9%	1.7%	3.1%	2.5%	1.0%	3.6%
Other Fields	-8.7%	-1.3%	2.1%	-11.7%	-1.4%	0.9%	-6.3%	-1.0%	3.5%

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 Participated in the Fall 2017 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  
Antioch New England Graduate School  
Appalachian State University  
Aquinas College  
Argosy University  
Arizona State University  
Arkansas Tech University  
Armstrong Atlantic State University  
Auburn University  
Auburn University at Montgomery  
Aurora University  
Austin Peay State University  
Azusa Pacific University  
Baker University  
Ball State University  
Barry University  
Baylor College of Dentistry – Texas A&M University HSC  
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  
Bridgewater State University  
Brigham Young University  
Brooklyn College – CUNY  
Brown University  
Bryant University  
Bryn Mawr College  
Bucknell University  
Buffalo State College  
Butler University  
Caldwell College  
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 – Northridge  
California State University – Sacramento  
California State University – San Bernardino  
California State University – San Marcos  
California State University – Stanislaus

California University of Pennsylvania  
Calvin College  
Cameron University  
Carlow University  
Carnegie Mellon University  
Carson-Newman College  
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  
Citadel, The  
City College of the City University of New York  
City University of New York Graduate Center  
Claremont Graduate University  
Clark Atlanta University  
Clarke College  
Clarkson University  
Clemson University  
Cleveland State University  
College of Charleston  
College of Mount Saint Joseph  
College of New Jersey, The  
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 University  
Columbus State University  
Concordia University  
Cornell University  
Creighton University  
D'Youville College

Dartmouth College  
Davenport University  
Delta State University  
DePaul University  
Dominican University  
Drake University  
Drew University  
Duke University  
Duquesne University  
East Carolina University  
East Central University  
East Tennessee State University  
Eastern Kentucky University  
Eastern Michigan University  
Eastern Washington University  
Elon University  
Embry-Riddle Aeronautical University  
Emerson College  
Emory University  
Emporia State University  
Fairleigh Dickinson University  
Faulkner University  
Fayetteville State University  
Ferris State University  
Fielding Graduate University  
Fitchburg State College  
Florida Atlantic University  
Florida Institute of Technology  
Florida International University  
Florida State University  
Fordham 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  
 Georgia Health Sciences University  
 Georgia Institute of Technology  
 Georgia Southern University  
 Georgia Southwestern College  
 Georgia State University  
 Gonzaga University  
 Governors State University  
 Grambling State University  
 Grand Valley State University  
 Hampton University  
 Hardin–Simmons University  
 Harding University  
 Harvard University  
 Hazelden Graduate School of Addiction Studies  
 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 of the City University of New York  
 Idaho State University  
 Illinois Institute of Technology  
 Illinois State University  
 Immaculata University  
 Indiana 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  
 Jacksonville State University  
 James Madison University  
 Jewish Theological Seminary of America  
 John Brown University  
 John Carroll University  
 Johns Hopkins University  
 Johnson and Wales University  
 Kansas State University  
 Kean University  
 Keck Graduate Institute of Applied Life Science  
 Keene State College  
 Keller Graduate School of Management of  
 DeVry University  
 Kennesaw State University  
 Kent State University  
 Kettering University  
 Kutztown University of Pennsylvania  
 La Salle University  
 La Sierra University  
 Lamar University  
 Lehigh University  
 Lesley University  
 Lewis University  
 Lincoln Memorial University  
 Lipscomb University  
 Lock Haven University Of PA  
 Loma Linda University  
 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  
 Marian University  
 Marquette University  
 Marshall University  
 Marymount University  
 Marywood University

Massachusetts Institute of Technology  
 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 of Denver  
 Miami University  
 Michigan State University  
 Michigan Technological University  
 MidAmerica Nazarene University  
 Middlebury College  
 Millersville University of Pennsylvania  
 Minnesota State University – Moorhead  
 Minot State University  
 Misericordia University  
 Mississippi State University  
 Missouri State University  
 Missouri University of Science & Technology  
 Missouri Western State University  
 Molloy College  
 Monmouth University  
 Montana State University  
 Montana Tech of the University of Montana  
 Montclair State University  
 Morgan State University  
 Mount St. Mary's College  
 Murray State University  
 Nazareth College of Rochester  
 New Jersey Institute of Technology  
 New Mexico Highlands University  
 New Mexico Institute of Mining and Technology  
 New Mexico State University  
 New School, The  
 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 Central University  
 North Carolina State University at Raleigh  
 North Central College  
 North Dakota State University  
 North Georgia College and State University  
 Northeastern Illinois University  
 Northeastern State University  
 Northeastern University  
 Northern Arizona University  
 Northern Kentucky University  
 Northern Michigan University  
 Northern State University  
 Northwest Missouri State University  
 Northwest Nazarene University  
 Northwestern University  
 Nova Southeastern University  
 Oakland City University  
 Oakland University  
 Occidental College  
 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  
 Pepperdine University  
 Piedmont College  
 Pittsburg State University  
 Plymouth State University  
 Point Park University  
 Polytechnic Institute of New York University  
 Portland State University  
 Prairie View A & M University  
 Princeton University

Providence College  
 Purdue University  
 Quinnipiac University  
 Radford University  
 Regent University  
 Rensselaer Polytechnic Institute  
 Rhode Island College  
 Rhode Island School of Design  
 Rice University  
 Richard Stockton College of New Jersey, The  
 Rider University  
 Rochester Institute of Technology  
 Rockefeller University  
 Rockhurst University  
 Rosalind Franklin University of Medicine  
 and Science  
 Rose-Hulman Institute of Technology  
 Rowan University  
 Rush University  
 Rutgers University – Camden  
 Rutgers University – New Brunswick  
 Sacred Heart School of Theology  
 Sage Graduate School  
 Saint Ambrose University  
 Saint Bonaventure University  
 Saint Catherine University  
 Saint Edward’s University  
 Saint John Fisher College  
 Saint John’s University  
 Saint Mary’s College of California  
 Saint Mary’s University of San Antonio  
 Salem State College  
 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  
 Savannah State University  
 School of Visual Arts  
 Seattle Pacific University  
 Seattle University  
 Seton Hall University  
 Shenandoah University  
 Shippensburg University  
 Simmons College  
 Slippery Rock University of Pennsylvania  
 South Carolina State University  
 South Dakota School of Mines & Technology  
 South Dakota State University  
 Southeast Missouri State University  
 Southeastern Louisiana University  
 Southern Adventist University  
 Southern Arkansas University  
 Southern Baptist Theological Seminary  
 Southern Illinois University Carbondale  
 Southern Illinois University Edwardsville  
 Southern Methodist University  
 Southern University A & M College  
 Southern Utah University  
 Southwestern Graduate School of  
 Biomedical Sciences  
 Spalding University  
 Springfield College  
 Stanford University  
 State University of New York at Binghamton  
 State University of New York at Oswego  
 State University of New York College at Brockport  
 State University of New York Health  
 Science 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  
 SUNY – Environmental Science & Forestry  
 SUNY College at Cortland  
 SUNY College at Fredonia  
 SUNY Institute of Technology at Utica/Rome

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 – Commerce  
 Texas A & M University – Corpus Christi  
 Texas A & M University – Kingsville  
 Texas A & M University – Texarkana  
 Texas A & M University at Galveston  
 Texas A&M University, Central Texas  
 Texas Christian University  
 Texas Southern University  
 Texas State University – San Marcos  
 Texas Tech University  
 Texas Woman’s University  
 Thomas Edison State College  
 Towson University  
 Trevecca Nazarene University  
 Troy University  
 Tufts University  
 Tulane University  
 United States Sports Academy  
 Universidad del Este  
 University at Albany – State University of New York  
 University at Buffalo – SUNY  
 University of Akron  
 University of Alabama  
 University of Alabama at Birmingham  
 University of Alabama in Huntsville  
 University of Alaska Fairbanks  
 University of Arizona  
 University of Arkansas  
 University of Arkansas at Little Rock  
 University of Arkansas at Monticello  
 University of Arkansas for Medical Sciences  
 University of Bridgeport  
 University of California – Berkeley  
 University of California – Davis  
 University of California – Irvine  
 University of California – Los Angeles  
 University of California – Merced  
 University of California – San Diego  
 University of California – San Francisco  
 University of California – Santa Barbara  
 University of California – Santa Cruz  
 University of Central Arkansas  
 University of Central Florida  
 University of Central Missouri  
 University of Central Oklahoma  
 University of Chicago  
 University of Cincinnati  
 University of Colorado at Boulder  
 University of Colorado at Colorado Springs  
 University of Colorado at Denver and Health Science  
 University of Connecticut  
 University of Dallas  
 University of Dayton  
 University of Delaware  
 University of Denver  
 University of Evansville  
 University of Florida  
 University of Georgia  
 University of Hartford  
 University of Hawaii at Manoa  
 University of Houston  
 University of Houston–Clear Lake  
 University of Idaho  
 University of Illinois at Chicago  
 University of Illinois at Springfield  
 University of Illinois at Urbana–Champaign  
 University of Iowa  
 University of Kansas  
 University of Kentucky  
 University of Louisiana at Lafayette  
 University of Louisiana at Monroe  
 University of Louisville

University of Lynchburg  
 University of Maine  
 University of Mary Hardin – Baylor  
 University of Maryland – Baltimore County  
 University of Maryland – College Park  
 University of Maryland – Eastern Shore  
 University of Maryland at Baltimore  
 University of Massachusetts Boston  
 University of Massachusetts Dartmouth  
 University of Massachusetts Medical School Worcester  
 University of Medicine & Dentistry of New Jersey  
 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 Greensboro  
 University of North Carolina at Pembroke, The  
 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 Campus  
 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 – Pan American  
 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 Medical Branch, Galveston  
University of Texas of the Permian Basin, The  
University of the District of Columbia  
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 – Green Bay  
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  
Villanova University  
Virginia Commonwealth University  
Virginia Polytechnic Institute and State University  
Wagner College  
Wake Forest University Biomed Grad Stds  
Wake Forest University Business

Wake Forest University  
Walden 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 Illinois University  
Western Kentucky University  
Western Michigan University  
Western Oregon State University  
Western Washington University  
Westfield State College  
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  
Xavier University of Louisiana  
Yale University  
Youngstown State University

# APPENDIX F

## Survey Instrument

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

2017 \_\_\_\_\_ Data Sheet

Institution:

GRE Institution Code:

[Print](#)

I. Graduate Enrollment for 2017 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, 2016, and June 30, 2017			
	Men	Women	Total
Master's and Other *			
Doctorate			
Graduate Certificate			

III. Number of Completed Applications Submitted for 2017 Fall Term			
	Master's and Other*	Doctorate	Total
Accepted			
Not Accepted			
<b>Total</b>			

IV. Graduate Enrollment by Race/Ethnicity for 2017 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	Hispanic/Latino (of any race)							
	Non-Hispanic	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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