



# Graduate Enrollment and Degrees: 2010 to 2020

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# Quick Takes

The CGS/GRE Survey of Graduate Enrollment and Degrees is a leading source of information on master's and doctoral program applications, enrollment, and degrees conferred in the United States. This report highlights findings from Fall 2020 and includes detailed data tables. Below are key points from this year's survey, which shed light on the applications, enrollment, and degrees conferred in U.S. graduate schools at the onset of the COVID-19 pandemic.

**Applications for admission.** Applications for admission to graduate school between Fall 2019 and Fall 2020 increased substantially (7.3%) (Table C.1).

- The rise in applications appears to be driven by Doctoral Universities with Very High Research Activities, or R1 institutions (8.1%).
- There were moderate increases in applications to Doctoral Universities with High Research Activities (R2), Doctoral or Professional Universities (D/PU), and Master's Colleges and Universities (4.5%, 5.6% and 2.8%, respectively).
- By degree levels, graduate applications for master's degree programs increased substantially (9.6%).

**First-time enrollment.** First-time enrollment increased by 1.8% overall between Fall 2019 and Fall 2020; however, changes varied greatly by broad fields of study (Table C.7).

- First-time graduate enrollment increased in business by 16%, in biological and agricultural sciences by 9.1%, and by 8.0% in health sciences.
- First-time enrollment in mathematics and computer sciences and engineering declined substantially (-16.6% and -15.8%, respectively), reflecting the overall decrease in international graduate student first-time enrollment.

**Total enrollment.** Between Fall 2019 and Fall 2020, total graduate enrollment increased by 2.5% (Table C.14). The growth of total graduate enrollment was driven by the increase of domestic students (6.1%). At the same time, the total enrollment of international graduate students decreased (-9.7%, Table C.19).

Other insights on enrollment include:

- **Degree levels & institution types.** There was a 3.8% decrease in first-time doctoral enrollment between Fall 2019 and Fall 2020 (Table C.12). Over the academic year, total graduate enrollment increased 3.3% at public institutions and 1.0% at private, not-for-profit institutions (Table C.14).
- **Underrepresented minorities.** There were healthy increases in first-time enrollment among underrepresented minorities for the past year. First-time graduate enrollment of American Indian/Alaska Native students increased 8.8%, Black/African American students increased 16.0%, and Latinx students<sup>1</sup> increased 20.4% between Fall 2019 and Fall 2020 (Table C.5).

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

- **International students.**<sup>2</sup> Unsurprisingly given the COVID-19 pandemic, we saw a large decrease (-37.4%) in international graduate first-time enrollment between Fall 2019 and Fall 2020. The decline in international first-time enrollment was across all fields of study, engineering (-47.9%), mathematics and computer sciences (-46.4%) and physical and earth sciences (-42.0%), which have large shares of international graduate students, were particularly hard hit (Tables C.9).
- **Domestic students.** By contrast, domestic first-time graduate enrollment grew by 12.9% between Fall 2019 and Fall 2020. Increases were largest in business (29.2%), mathematics and computer sciences (20.1%), and biological and agricultural sciences (18.4%) (Table C.9).
- **Part-time students.** First-time enrollment of part-time graduates saw a 13.5% increase between Fall 2019 and Fall 2020, while full-time graduate enrollment decreased by 3.7%. The growth in first-time, part-time graduate enrollment was largest in business (30.3%), biological and agricultural sciences (30.0%), and engineering (26.7%) (Table C.8).
- **Women.** Overall, institutions participating in the GE&D Survey reported a 4.6% increase in the first-time graduate enrollment of women between Fall 2019 and Fall 2020 (Table C.6). Women first-time graduate students increased both at the master's degree and certificate level (5.2%) and at the doctoral level (1.2%) (Table C.12 and Table C.13).

**Graduate-level certificates awarded.** Over the past year, the number of graduate-level certificates awarded increased by 20.7%. The number of graduate-level certificates awarded has grown over the last five- and ten-year periods. Between Fall 2015 and Fall 2020, the number of graduate-level certificates awarded increased 10.0%, and between Fall 2010 and Fall 2020, the number of graduate-level certificates awarded increased 9.5% (Table C.25).

**Degrees awarded.** The number of master's degrees awarded by institutions participating in the survey remained flat (0.2%) between academic years 2018-19 and 2019-20 (Table C.29). The number of doctoral degrees awarded decreased by 0.7% (Table C.30).

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<sup>2</sup> The term Temporary Residents is used as one of the citizenship and racial/ethnicity categories in the survey instrument (Appendix F). The term International Student was used in the body of the report when referring to the Temporary Resident population.

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# Introduction

The COVID-19 pandemic, and its economic impact, as well as ongoing racist violence continue to impact graduate education in the United States. On March 13, 2020, the U.S. declared a national health emergency in response to the COVID-19 pandemic.<sup>3</sup> Responding to the COVID-19 emergency, many higher education institutions in the U.S. changed modes of instruction to ensure the safety and health of students, faculty, and staff, by expanding hybrid and fully virtual courses and services.

In May 2020, CGS fielded the Survey on the Impact of the Coronavirus Disease 2019 (COVID-19) Pandemic on Graduate Education and found that many graduate deans (or equivalent) at CGS member institutions felt pessimistic about the outlook for Fall 2020 enrollment.<sup>4</sup> Also, in the recent NAGAP/CGS Survey of Graduate Enrollment Professionals many graduate enrollment management professionals reported that more prospective students raised concerns about the affordability of graduate education, the value of graduate education, and the increase in the number of student deferrals since the pandemic began.<sup>5</sup> Early indicators from other national data collection efforts found that graduate enrollment had slightly increased in Spring 2021.<sup>6</sup> The total number of international students declined in the 2019/2020 academic year.<sup>7</sup>

The Fall 2020 CGS/GRE Survey of Graduate Enrollment and Degrees Report provides a national view of graduate enrollment trends from the past five- and ten-years. 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 how the pandemic has impacted the U.S. graduate education enterprise.

## ABOUT THE CGS/GRE SURVEY OF GRADUATE ENROLLMENT AND DEGREES

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.

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/certificates versus research doctorate) and the only national survey that collects data on applications to graduate school by broad field of study.

The 2020 CGS/GRE Survey of Graduate Enrollment and Degrees was launched in November 2020 and sent to the U.S.-based institutions that were members of the Council of Graduate Schools or one of the four regional graduate school associations—

- 3 White House. (2020). Proclamation on Declaring a National Emergency Concerning the Novel Coronavirus Disease (COVID-19) Outbreak. <https://trumpwhitehouse.archives.gov/presidential-actions/proclamation-declaring-national-emergency-concerning-novel-coronavirus-disease-covid-19-outbreak/>
- 4 Okahana, H. (2020). The Impact of COVID-19 on Graduate Education. <https://cgsnet.org/impact-covid-19-graduate-education>
- 5 Gao, J. (2021). Impact of COVID-19 on Graduate Education Access: Selected Results from the 2020 NAGAP/CGS Survey of Graduate Enrollment Professionals. <https://cgsnet.org/cgs-research-brief-impact-covid-19-graduate-education-access-selected-results-2020-nagapcgs-survey>
- 6 National Student Clearinghouse Research Center. (2021). Spring 2021 Current Term Enrollment Estimates. <https://nscresearchcenter.org/current-term-enrollment-estimates/>
- 7 Open Doors. (2020). The Open Doors 2020 Report on International Educational Exchange. <https://opendoorsdata.org/annual-release/>



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 763 colleges and universities, and useable responses were received from 558 institutions, for an overall response rate of 73.1%.

## ACKNOWLEDGMENTS

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# Graduate Applications, Enrollment, and Degrees: Fall 2020

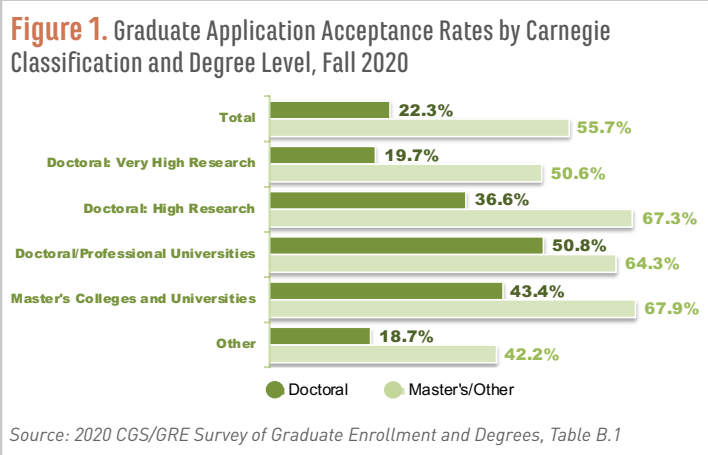
More than 1.7 million graduate students were enrolled in graduate certificate, master's, or doctoral programs in Fall 2020 at the 558 U.S. graduate schools participating in the 2020 CGS/GRE Survey of Graduate Enrollment and Degrees. To provide an overview of recent shifts in graduate enrollment during the COVID-19 pandemic, this section will highlight the state of graduate applications for admission for Fall 2020, first-time and total enrollment in Fall 2020, and graduate degrees and certificates conferred in the 2019-20 academic year.

## GRADUATE APPLICATIONS

Interest in pursuing graduate education remains high amid the global pandemic. Institutions responding to the 2020 CGS/GRE Survey of Graduate Enrollment and Degrees received approximately 2.1 million applications for admission to graduate programs beginning in Fall 2020. The figure includes the more than 1.3 million applications for Fall 2020 received by public institutions and the 833,571 graduate applications for admission to private, not-for-profit institutions. About 68.0% or 1,472,964 of the applications received by institutions responding to the survey were for master's/other programs. Even among Doctoral Universities with Very High Research Activities (R1), 63.0% of applications received were for master's/other programs (Table B.1).

In Fall 2020, acceptance rates were higher for both doctoral programs and master's/other programs compared to Fall 2019. Acceptance rates for doctoral programs have traditionally been lower than acceptance rates for master's/other programs, and results from the 2020 survey were consistent with this pattern. Overall, 22.3% of doctoral applicants and 55.7% of master's/other applicants were accepted for admission. Private, not-for-profit institutions generally have lower acceptance rates than public institutions. Doctoral programs at private, not-for-profit R1 institutions were the

most selective, accepting 12.5% of applications received. Master's/other programs at these universities were also more selective with an overall acceptance rate of 45.7% (Table B.1 and Figure 1).



By broad field of study, the largest number of total doctoral applications for Fall 2020 were in the social and behavioral sciences (105,198), engineering (86,117), and biological and agricultural sciences (84,998). These three broad fields alone accounted for 40.7% of all doctoral applications for which the intended field of study was known in Fall 2020. The broad field of social and behavioral sciences had the lowest aggregated doctoral application acceptance rate (13.5%) of all broad fields. For master's/other applications, the broad field of business received the largest number of applications (252,103), followed by mathematics and computer sciences (205,272). In terms of master's acceptance rates, arts and humanities (42.1%) reported the lowest aggregated application acceptance rate, followed by mathematics and computer sciences (43.4%), physical and earth sciences (49.6%), biological and agricultural sciences (52.4%), and engineering (52.9%) (Table B.2).

## FIRST-TIME GRADUATE ENROLLMENT

A total of 509,999 graduate students enrolled for the first time in graduate certificate, education specialist, master’s, or research doctoral programs in Fall 2020 at the institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees. Tables B.3 to B.11 provide additional details regarding first-time graduate enrollment for Fall 2020.

Consistent with previous survey cycles, business (87,045), education (75,083), and health sciences (67,126) were the three largest broad fields for first-time graduate enrollment in Fall 2020. These three broad fields collectively represented 45% of first-time graduate enrollments (Table B.4).

At those institutions responding the survey, 60.8% of first-time graduate students were women, though the proportion of women varies by institutional type (Table B.3). Institutions responding to the survey also reported that while women constitute more than three quarters of first-time graduate enrollment in fields of public administration and services (79.5%), health sciences (79.3%), and education (76.8%) in Fall 2020, they comprised much smaller portions of first-time enrollment in the fields of engineering (29.3%), mathematics and computer sciences (33.6%), and physical and earth sciences (44.3%) (Table B.4).

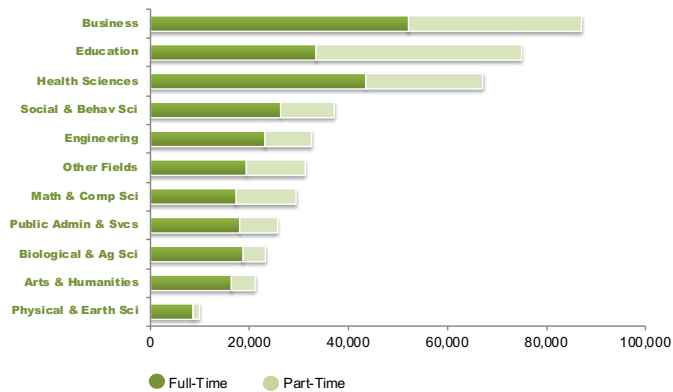
As institutions changed mode of instruction and offered virtual or hybrid learning options, many delivered courses in modular or part-time formats. More opportunities for students who were place bound and not able to pursue graduate education in person may have become available. In Fall 2020, 37.5% of first-time graduate students were part-time students, compared to 33.7% of part-time students in Fall 2019. Among the three largest broad fields for first-time graduate enrollment, 40.1% of business, 55.4% of education, and 35.2% of health sciences first-time enrollment were part-time students (Table B.4 and Figure 2).

The large majority (84.0%) of first-time graduate students in Fall 2020 were enrolled in programs leading to a master’s degree or a graduate certificate. In the broad fields of public administration and services (97.7%), business (97.6%), “other fields” (90.9%),<sup>8</sup> education (88.8%), and mathematics and computer sciences (85.8%), the shares of master’s/ other enrollees were very high. By contrast, the majority (58.0%) of first-time graduate enrollment in physical and earth sciences were in doctoral programs (Table B.6).

Over one third (34.4%) of all first-time master’s/ other students were enrolled in business (80,510) and education (60,881). At the doctoral level, the broad fields of health sciences (12,860), social and behavioral sciences (8,775), education (7,698), and engineering (7,766) were the largest, accounting for about one-half (47.6%) of all first-time doctoral students (Table B.6).

In Fall 2020, women comprised a larger share of first-time enrollees at the master’s and graduate certificate level (61.4%) than at the doctoral level (57.0%). Although women comprise the majority of first-time graduate students overall, they were underrepresented at the master’s level in engineering (28.7%), mathematics and computer sciences (33.8%), and business (46.9%). Moreover, men comprised a majority of doctoral first-time enrollees in engineering (68.7%), mathematics and computer sciences (69.5%), and physical and earth sciences (60.5%) (Table B.7).

**Figure 2.** First-time Graduate Enrollment by Broad Field of Study and Attendance Status, Fall 2020



Source: 2020 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.4

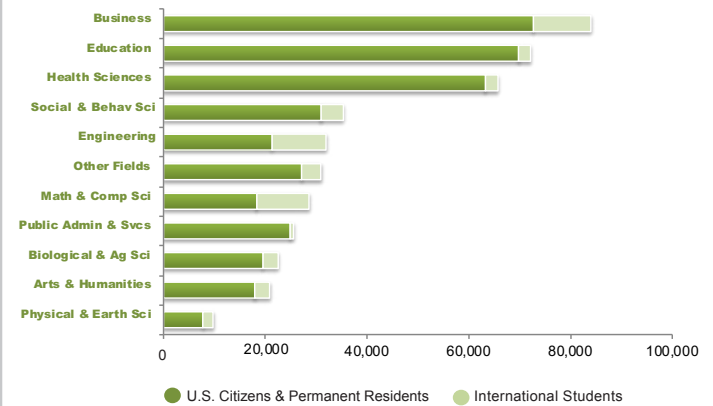
8 The “other fields” category included the fields of Architecture and Environmental Design, Communications and Journalism, Family and Consumer Sciences, Library and Archival Sciences, and Religion and Theology (For more details, see [Appendix D](#)).

Unsurprisingly, given the pandemic's impact on international travel, U.S. citizens and permanent residents constituted a larger majority of first-time graduate enrollees than in recent years. Specifically, among first-time graduate enrollees in Fall 2020 for whom citizenship was known, 87.4% were U.S. citizens or permanent residents. The share of first-time domestic enrollment has gradually increased over the past five years: Fall 2019 (80.0%), Fall 2018 (80.2%), Fall 2017 (79.7%), Fall 2016 (78.9%), and Fall 2015 (78.0%)<sup>9</sup> (Table B. 8). Domestic students comprised the largest share of first-time graduate students in public administration and services (97.4%), followed closely by education (96.7%) and health sciences (96.2%) (Table B.9).

In contrast, the share of first-time international enrollment (12.6%) declined substantially, compared to Fall 2019 (20.0%).<sup>10</sup> The share of international students among first-time graduate students was higher at private, not-for-profit universities (17.9%) than at public universities (10.6%). The share of international students among first-time graduate students was the largest at R1 institutions (18.2%, Table B.8). International students comprised the largest share of first-time graduate students in mathematics and computer sciences (35.8%), followed closely by engineering (33.1%, Table B.9 and Figure 3). Women continued to be underrepresented among international students compared to domestic students. While 62.7% of first-time graduate enrollees who were U.S. citizens and permanent residents were women, only 47.3% of first-time graduate enrollees who were international students were women (Table B.10).

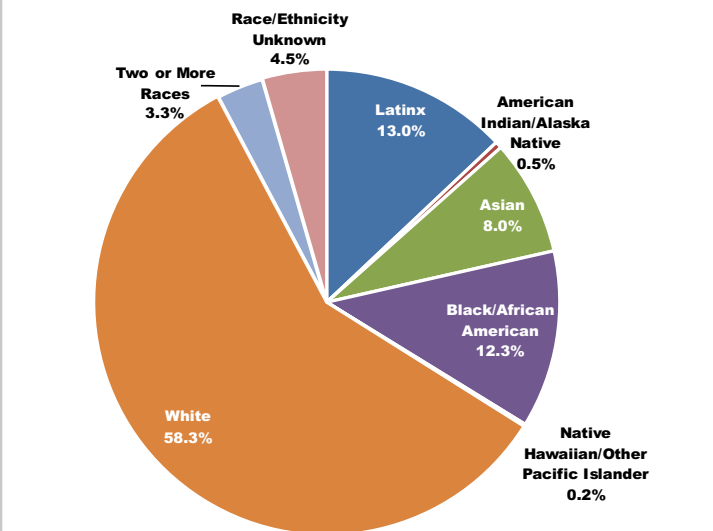
The share of underrepresented minorities (URM) among U.S. citizens and permanent residents increased more than one percentage point from the previous year.<sup>11</sup> In Fall 2020, approximately 25.9% of all first-time U.S. citizens and permanent resident enrollees were URM students, including American Indian/Alaska Native (0.5%), Black/

**Figure 3.** First-time Graduate Enrollment by Broad Field of Study and Citizenship, Fall 2020



Source: 2020 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.9

**Figure 4.** U.S. Citizen and Permanent Resident First-time Graduate Enrollment by Race/Ethnicity, Fall 2020



Source: 2020 CGS/GRE survey of Graduate Enrollment & Degrees, Table B.11

African American (12.3%), Native Hawaiian/Other Pacific Islander (0.2%), and Latinx (13.0%, Table B.11 and Figure 4).

There are proportionally more domestic students of color in some fields, such as social and behavioral sciences and education. In other fields, however,

9 Data for the share of first-time domestic enrollment in Fall 2015, Fall 2016, Fall 2017, Fall 2018 and Fall 2019 can be found in previous editions of the *Graduate Enrollment and Degrees* report, which are available on the Council of Graduate Schools' website.  
 10 Data for the share of first-time international enrollment in Fall 2019 can be found in previous editions of the *Graduate Enrollment and Degrees* report, which are available on the Council of Graduate Schools' website.  
 11 Data for the share of first-time underrepresented minorities (URM) among U.S. citizens and permanent residents can be found in the previous year's *Graduate Enrollment and Degrees* report, Fall 2019, which is available on the Council of Graduate Schools' website.

the representation of traditionally underserved students of color remained relatively low. American Indian/Alaska Native, Black/African American, Latinx, and Native Hawaiian/Other Pacific Islander first-time graduate students remain particularly underrepresented in science, engineering, technology, and mathematics (STEM) fields.

URM enrollment across broad fields of study was not monolithic, however, and showed significant variation across fields. For example, only 4.4% of U.S. citizens and permanent resident students enrolled for the first time in physical and earth sciences and 6.2% in engineering were Black/African American students. While only 3.4% of first-time students in education were Asian, they constituted a relatively large share of U.S. citizens and permanent residents enrolled for the first time in mathematics and computer sciences (21.0%) and engineering (14.8%) fields (Table B.11).

## TOTAL GRADUATE ENROLLMENT

Institutions responding to the CGS/GRE survey (N=558) enrolled more than 1.7 million graduate students in Fall 2020. 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.

Across all institutions that participated in this survey, 43.4% of graduate students were enrolled part-time. The share of part-time students among

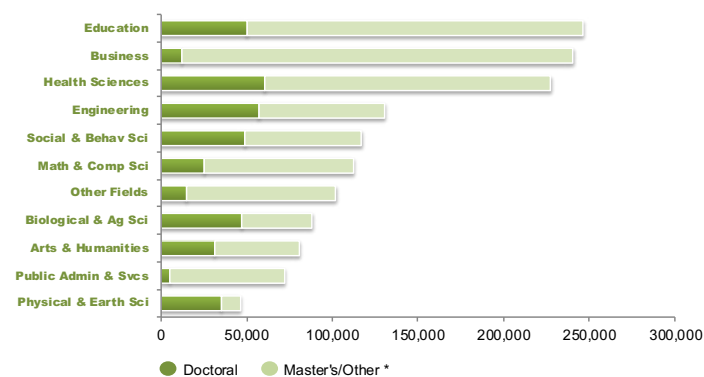
all graduate students was the greatest at public Doctoral or Professional Universities (D/PU) with 66.2% of graduate students enrolled part-time. Similarly, 60.3% of graduate students at public master's colleges and universities were enrolled part-time in Fall 2020 (Table B.12).

There were similarities and differences across broad fields of study between graduate students enrolled part-time and full-time in their programs. The three largest broad fields of study - education, business, and health sciences - were also the fields with the largest proportions of part-time graduate students. More than six out of ten (63.8%) graduate students in education, about one-half in business (53.0%), and 43.0% in health sciences were enrolled part-time. By contrast, physical and earth sciences (16.8%), biological and agricultural sciences (25.9%), engineering (32.5%), and social and behavioral sciences (34.3%) had smaller proportions of graduate students enrolled part-time in their programs (Table B.13). Among graduate students in Fall 2020, men were more likely to be enrolled full time than women (59.2% and 54.9% respectively) (Table B.14).

Nearly three quarters (72.9%) of the total graduate enrollment at institutions participating in this year's survey was in master's programs, while 27.1% was in doctoral programs. Graduate enrollment in business (95.0%) and public administration and services (93.0%) was heavily concentrated in master's/other programs. Across STEM fields, too, graduate enrollment was predominantly at the master's level. However, the majority of graduate enrollment in physical and earth sciences (75.9%) and biological and agricultural sciences (53.4%) was at the doctoral level (Table B.15 and Figure 5).

International graduate students constituted 16.2% of total enrollment in Fall 2020, compared with U.S. citizens and permanent residents, who constituted 83.8%. At R1 institutions, the share of international students was 24.1% (Table B.17). The percentage of international students was particularly high in engineering (44.8%), mathematics and computer sciences (43.8%), and physical and earth sciences (32.5%) (Table B.18).

**Figure 5.** Total Graduate Enrollment by Broad Field of Study and Degree Level, Fall 2020



Source: 2020 CGS/GRE Survey of Graduate Enrollment and Degrees, Table B.15



Among U.S. citizens and permanent residents, Black/African American students were particularly underrepresented in several fields. While they constituted 12.8% of U.S. citizens and permanent resident graduate students overall, they accounted for only 3.8% of physical and earth sciences enrollees. Similarly, they were grossly underrepresented in engineering (6.2%), biological and agricultural sciences (6.6%), and arts and humanities (6.5%) (Table B.20).

## GRADUATE CERTIFICATES AND DEGREES CONFERRED

Institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees (N=558) awarded a total of 659,834 graduate certificates and degrees in the academic year 2019-20 (July 1, 2019 through June 30, 2020). Tables B.21 to B.25 provide the details.

The large majority (533,002 or 80.8%) of degrees awarded in 2019-20 were master's degrees, followed by doctoral degrees (76,111 or 11.5%) and graduate certificates (50,721 or 7.7%). By field of study, health sciences accounted for the largest number of doctoral degrees awarded in 2019-20, with 21.9% of the total, followed by engineering (14.0%), education (12.3%), biological and agricultural sciences (11.5%), and social and behavioral sciences (11.2%) (Table B.22).

At the master's degree level, business and education had the largest numbers of degrees awarded, accounting for 21.4% and 18.8%, respectively. More than nine out of ten degree recipients in business (93.1%) and public administration and services (92.5%) were awarded master's degrees. Of the broad fields in this report, education (29.6%), business (12.6%), and health sciences (13.4%) had large shares of certificates awarded by institutions participating in this survey during 2019-20 (Table B.22).

Consistent with recent trends, women earned the majority of graduate degrees and certificates awarded by participating institutions in the recent GE&D survey. Women earned 62.1% of graduate certificates awarded in 2019-20, 60.1% of master's degrees, and 53.1% of doctorates. The majority of graduate degrees and certificates awarded to

women were in education, health sciences, public administration and services, and social and behavioral sciences. However, in many STEM fields, men still earned the majority of graduate degrees and certificates. Men earned about three-fourths of master's degrees (72.2%) and doctoral degrees (75.1%) in engineering. Similarly, 64.5% of master's degrees and 74.2% 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: 2010 to 2020

Institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees reported a significant increase in applications for admission and an increase in first-time graduate enrollment (7.3% and 1.8%, respectively) between Fall 2019 and Fall 2020. This section presents one-year comparisons; five- and ten-year average annual changes; and selected trends in graduate applications, first-time and total enrollment, and degrees conferred from universities that reported at all periods. The findings are presented by broad field, degree level, institution type, 2018 Carnegie Classification, attendance status, gender, race/ethnicity, and citizenship status.

## TRENDS IN GRADUATE APPLICATIONS

Between Fall 2019 and Fall 2020, applications for admission to U.S. graduate schools increased by 7.3% at the institutions that responded to the CGS/GRE Survey of Graduate Enrollment and Degrees in both 2019 and 2020. Tables C.1 to C.3 offer detailed information about trends in graduate applications. Public institution application counts increased 6.1%, and private, not-for-profit applications increased by 9.2%. This is a significant increase when compared to the last ten years. In

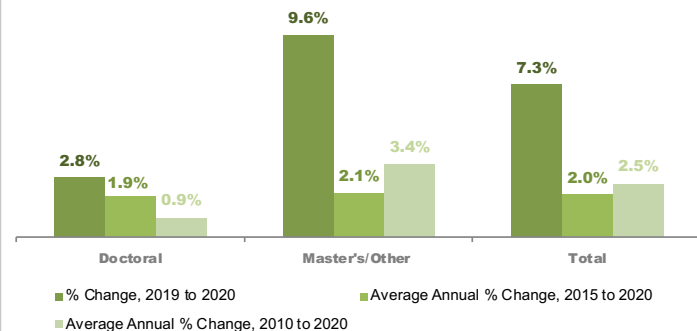
the decade between Fall 2010 and Fall 2020, graduate applications grew at an average annual rate of 2.5%.

There were some differences by Carnegie Classification. The number of applications for admission to graduate school increased significantly at Very High Research Doctoral Universities (R1, 8.1%) and Other Institutions (16.1%) between Fall 2019 and Fall 2020. At the same time, High Research Doctoral Universities (R2) and Doctoral/Professional Universities (D/PU) reported smaller increases in application (4.5% and 5.6%, respectively). Master's Colleges and Universities also reported smaller increases (2.8%) in applications between Fall 2019 and Fall 2020 (Tables B.1, C.1).

All broad fields of study saw one-year increases in graduate applications between Fall 2019 and Fall 2020. In particular, applications for admission increased significantly in biological and agricultural sciences (15.0%), mathematics and computer sciences (11.5%), and business (17.3%). Other fields, including public administration and services (3.6%) and social and behavioral sciences (8.9%), saw one-year increases as well. Although graduate applications saw increases (2.0%) over the last five years, the broad field of engineering saw a decline by 3.0%. Overall, institutions received more graduate applications in Fall 2020 than a decade ago in all fields except for arts and humanities (-2.1% annually over the last ten years) and education (-0.2%) (Table C.2).

Applications for admission increased for doctoral programs (2.8%) and master's/other programs (9.6%) between Fall 2019 and Fall 2020. This marks a shift from Fall 2019, when applications for admission at the master's level declined slightly (-1.2%). The five-year average annual rate of change was 1.9% at the doctoral level and 2.1% at the master's level between Fall 2015 and Fall 2020 (Figure 6). At the doctoral level, biological and

**Figure 6.** Changes in Graduate Applications by Degree Level, Fall 2010 to Fall 2020



Note: Master's/Other includes applications to graduate-level certificate and education specialist programs.

Source: 2020 CGS/GRE Survey of Graduate Enrollment and Degrees, Table C.1

agricultural sciences (11.1%) had the largest one-year increase of all broad fields of study. This was a higher rate of increase when compared to the five-year average annual rate of change (6.4%). At the master's/other level, biological and agricultural sciences (22.3%) reported the highest one-year increase, followed by business (19.1%) and social and behavioral sciences (16.3%, Table C.3).

During the pandemic, many higher education institutions explored new recruitment and admission strategies, such as dropping standardized testing requirements, offering deferred admission options, and extending application deadlines.<sup>12</sup> These approaches provided more flexibility in the application process and may well account for the increased number of graduate applications.

## TRENDS IN FIRST-TIME GRADUATE ENROLLMENT

Despite its negative impact on international enrollment, the pandemic was actually accompanied by a first-time enrollment increase. First-time graduate enrollment increased 1.8% between Fall 2019 and Fall 2020 at the institutions that responded to both the 2019 and 2020 CGS/GRE Surveys of Graduate Enrollment and Degrees. Public institutions saw growth in first-time enrollment (3.0%) between Fall 2019 and Fall 2020, while there was a slight decline in first-time enrollment at private, not-for-profit institutions (-0.7%). By Basic Carnegie Classification, first-time graduate enrollment rose by 6.5% at D/PU institutions, 5.6% at R2 institutions, and 4.9% at master's colleges and universities over the one year. R1 institutions saw their first-time graduate enrollment decrease slightly by 0.7% (Table C.4).

International students have faced obstacles over the past year due to the global pandemic and accompanying travel restrictions. Not surprising, the first-time international graduate student enrollment decreased significantly (-37.4%) between Fall 2019 and Fall 2020. Moreover, the ten-year average annual change rates became negative (-0.8%) for the first time in five years, meaning that the participating institutions saw fewer first-time international graduate students than in Fall 2010. First-time graduate enrollment,

however, reported a large increase (12.9%) among U.S. citizens and permanent residents between Fall 2019 and Fall 2020, which was much larger than the prior-year's increase (2.2%). Over the past five years, the first-time enrollment of U.S. citizens and permanent resident graduate students rose on average by 4.9% annually (Table C.5).

Among U.S. citizens and permanent resident graduate students, first-time enrollment increased 1.7% among Native Hawaiians/Other Pacific Islanders between Fall 2019 and Fall 2020. Notably, the first-time enrollment also increased by 20.4% among Latinx students, 16.0% among Black/African American students, and 16.7% among Asian students between Fall 2019 and Fall 2020. Moreover, American Indian/Alaska Native students saw an 8.8% increase, a faster rate of growth than the prior cycle (3.5%). Although the baseline enrollment number is small, the increased first-time enrollment of underrepresented minority students is encouraging. From 2010 to 2020, the average annual growth rate for first-time graduate enrollment increased by 9.2% among Latinx, 5.4% among Black/African Americans, 6.3% among Asians/Pacific Islanders, and 0.8% among American Indian/Alaska Natives (Table C.5).

Women saw an increase (4.6%) in first-time graduate enrollment, while men saw a slight decrease (-2.1%) between Fall 2019 and Fall 2020. Among international students, first-time graduate enrollment decreased by 39.7% for men and 34.4% for women between Fall 2019 and Fall 2020. By comparison, among U.S. citizens and permanent residents, there was a 12.8% increase in first-time enrollment among men between Fall 2019 and Fall 2020, compared with a 12.9% increase among women (Table C.6).

In terms of field of study, arts and humanities reported a decrease in first-time graduate enrollment. The one-year change in first-time graduate enrollment in arts and humanities was -5.6%, compared to -2.0% between Fall 2018 and Fall 2019. Enrollment in fields with large shares of international graduate students was hit hardest by the pandemic. Mathematics and computer sciences (-16.6%) reported the largest one-year decline in

<sup>12</sup> Martel, M., & Baer, J. (2021). COVID 19 Effects on US Higher Education Campuses Report 4. Institute of International Education.



first-time graduate enrollment between Fall 2019 and Fall 2020, followed by engineering (-15.8%) (Table C.7).

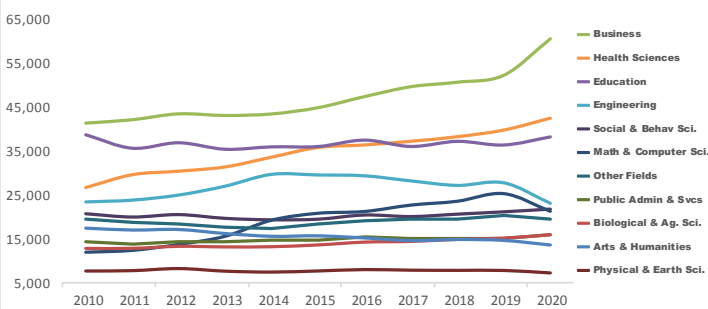
Still, other fields saw significant growth in first-time enrollment. First-time graduate enrollment in business increased by 16.0%, biological and agricultural sciences increased by 9.1%, health sciences increased by 8.0%, and public administration and services increased by 6.5% between Fall 2019 and Fall 2020 (Table C.7). In the decade spanning 2010 to 2020, increases in first-time enrollments have been particularly strong in the fields of business and health sciences (Figure 7). For more detailed information about changes and trends in first-time graduate enrollment, see Tables C.4 through C.13.

Between Fall 2019 and Fall 2020, the total graduate enrollment of U.S. citizens and permanent residents increased by 6.1%. Total enrollment of domestic students reflects trends of multiple preceding years. However, total enrollment for international graduate students experienced a large decline (-9.7%) (Table C.15). Total enrollment increased by 0.5% among men, and by 4.0% among women between Fall 2019 and Fall 2020. The growth of domestic total enrollment was greater for women (6.9%) than for men (4.9%, Table C.16).

By fields of study, although there were large changes of first-time graduate enrollment in some fields, the changes of total graduate enrollment across fields were much smaller over the past year. The largest one-year decline in total graduate enrollment by broad field of study between Fall 2019 and Fall 2020 was in engineering (-3.0%). There were also decreases in the broad fields of arts and humanities (-2.2%). While those two fields reported the largest one-year decreases, business (8.1%), health sciences (5.0%), public administration and services (4.1%), and biological and agricultural sciences (4.8%) saw increases in total enrollment between 2019 and 2020. That growth offset the declines seen in other fields (Table C.17).

Similar to the trends of first-time graduate enrollment among underrepresented students of colors, there were healthy increases in total graduate enrollment among these groups. Between Fall 2019 and Fall 2020, total enrollment increased by 11.3% among Latinx, 9.6% among Asian/Pacific Islanders, 8.1% among Black/African Americans, 2.3% among American Indian/Alaskan Natives, and 2.3 % among Native Hawaiians/Other Pacific Islanders. Total graduate enrollment among Whites increased by 4.2%. While the Latinx total graduate enrollment grew on average by 6.6% annually over the last ten years, the total enrollment of Black/African American students grew only by 1.4% each year on average. Furthermore, the total graduate enrollment of American Indian/Alaska Native students declined on average by 2.2% annually between Fall 2010 and Fall 2020 (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/Latinx graduate

**Figure 7.** Trends in First-time Graduate Enrollment by Broad Field of Study, Fall 2010 to Fall 2020



Note: Trends were developed based upon institutions that provided data for all years 2010 to 2020; therefore, the numbers of first-time enrollments do not match data in the tables.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

## TRENDS IN TOTAL GRADUATE ENROLLMENT

Total graduate enrollment increased 2.5% between Fall 2019 and Fall 2020 at the institutions responding to the CGS/GRE Survey of Graduate Enrollment and Degrees for both 2019 and 2020. Tables C.14 through C.23 provide detailed information about changes and trends in total graduate enrollment. Over the one-year period, total graduate enrollment increased 3.3% at public institutions and 1.0% at private, not-for-profit institutions. Total graduate enrollment increased by 1.2% between Fall 2015 and Fall 2020 and increased 0.5% during the ten-year period between Fall 2010 and Fall 2020 (Table C.14).

students grew, the relative shares of Black/African American students grew at a much slower rate (Figure 8).

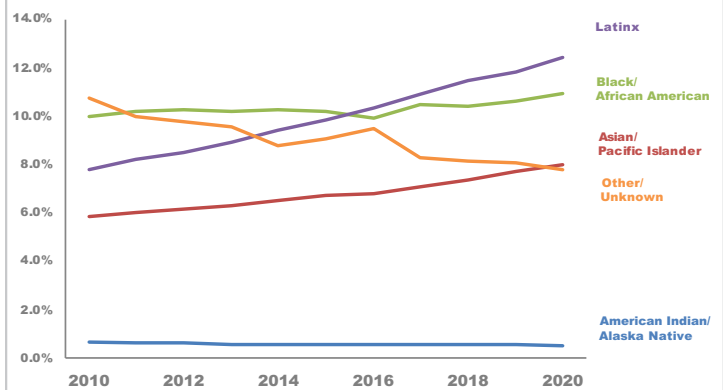
## TRENDS IN GRADUATE DEGREES

The pandemic is impacting the number of degrees awarded at both master’s and doctoral level. The number of master’s degrees awarded increased by 0.2%, while the number of doctoral degrees awarded decreased by 0.7% between 2018-19 and 2019-20 at institutions responding to the 2020 CGS/GRE Survey of Graduate Enrollment and Degrees. Between 2014-15 and 2019-20, increases in master’s degree production (1.8%) were higher than for doctoral degree production (1.1%). Over the ten-year period between 2009-10 and 2019-20, the average annual change in the number of graduate certificates awarded was 9.5% (Table C.25). Since more master’s degrees are awarded than doctoral degrees and graduate certificates, the total number of master’s degrees earned continues to far exceed the number of doctoral degrees and graduate-level certificates conferred (Figure 9). Further details on changes and trends in graduate certificates and degrees awarded can be found in Tables C.24 through C.30.

**Graduate-level certificates awarded.** Notably, there was a large increase in the number of graduate certificates awarded (20.7%) between 2018-19 and 2019-20. In the five-years spanning 2015 to 2020, the average annual change in the number of graduate certificates awarded was 10.0%. Some types of institutions saw more robust growth in graduate certificates awarded over the past year than others. For example, the number of graduate certificates awarded rose by 28.2% at Doctoral Universities with Very High Research Activity between 2018-19 and 2019-20. The average annual rates of increase for graduate certificates awarded was 16.6% for Doctoral Universities with High Research Activity and 15.4% for Master’s Colleges and Universities (Table C.25). However, it should be noted that there are far fewer graduate certificates conferred than master’s or doctoral degrees.

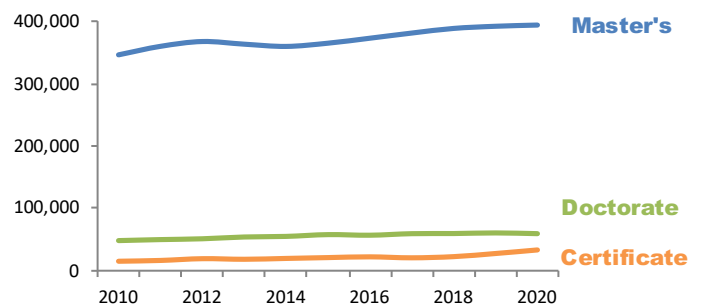
**Doctoral degrees awarded.** Although the number of doctoral degrees awarded decreased slightly over the past year (-0.7%), doctoral degree production

**Figure 8.** Percentage Shares in Total Graduate Enrollment of U.S. Citizens and Permanent residents by Selected Race/Ethnicity, Fall 2010 to Fall 2020



Note: Trends were developed based upon institutions that provided data for all years 2010 to 2020; the numbers of first-time enrollments do not match data in the tables.  
Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Figure 9.** Trends in Graduate Degrees Awarded by Degree Level, Fall 2010 to Fall 2020



Note: Trends were developed based upon institutions that provided data for all years 2010 to 2020; therefore, the numbers of total degrees awarded do not match data in the tables.  
Source: CGS/GRE Survey of Graduate Enrollment and Degrees

still grew on average 1.1% annually over the past five-year between 2014-15 and 2019-20 and on average by 2.9% annually over the ten-year period between 2009-10 and 2019-20. The larger five- and ten-year annual percentage changes of doctoral degree production were partly due to that the base rates of doctoral degrees awarded were lower. Over the one-year period between 2018-19 and 2019-20, doctoral degree production increased at private, not-for-profit institutions and decreased at public institutions (2.4% and -2.0%, respectively). In the decade spanning 2009-10 to 2019-20, doctoral degree production increased by 2.7% at public institutions and 2.8% at private, not-for-profit institutions (Table C.24).

At the doctoral level, between 2018-19 and 2019-20, the number of degrees awarded decreased in eight broad fields, including business (-11.6%), public administration and services (-7.3%), physical and earth sciences (-4.8%), arts and humanities (-3.2%), and engineering (-0.8%). The number of doctorates earned by women in business (-17.5%) and public administration and services (-15.0%) also significantly decreased (Table C.30).

**Master's degrees awarded.** There was a 0.2% increase in master's degree production between 2018-19 and 2019-20, which is lower than the 5-year and 10-year annual average increase. The average annual percent change for master's degree production at public institutions increased between the five- and ten-year intervals (2.3% and 2.1%, respectively) (Table C.24).

The 0.2% increase in degrees awarded at the master's level between 2018-19 and 2019-20 included increases in seven broad fields of study and decreases in four others. The largest one-year increases in master's degree production were in mathematics and computer sciences (10.3%), while engineering reported the largest declines in master's degree production (-6.3%). The number of master's degree earned by women in mathematics and computer sciences sizably increased (13.7%) over the past year (Table C.29).

# APPENDIX A

## Definitions

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

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

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

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

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

For both first-time and total enrollment, master's and 'other' enrollment is defined as the number of students enrolled in programs specifically leading

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

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

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

The survey excludes students applying to, enrolled in, or graduating from the following comprehensive list of first-professional programs: Chiropractic (D.C. or D.C.M.), Dentistry (D.D.S. or D.M.D.), Law (LL.B., J.D.), Medicine (M.D.), Optometry (O.D.), Osteopathic Medicine (D.O.), Pharmacy (Pharm.D.), Podiatry (D.P.M., D.P., or Pod.D.), Theology (M.Div.,

M.H.L., B.D., or Ordination), and Veterinary Medicine (D.V.M.). Data for all other graduate-level programs are collected, including programs in other professional fields such as health sciences and business.

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

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

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

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

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

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

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

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

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

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

**Citizenship Unknown**—Includes individuals whose citizenship is not known.

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

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

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

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



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

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

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

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

**One-year Comparisons**—One-year comparisons, which are reported as percentages, are based on data collected from only those institutions that responded to both the 2019 and 2020 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 2015 and 2020 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 2010 and 2020 surveys.

**Trend Lines**—Trend lines were constructed using data collected from only those institutions that responded to all surveys from 2010 through 2020.

## 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 558 institutions that responded to the 2020 CGS/GRE Survey of Graduate Enrollment and Degrees. Data were not imputed for missing fields or for non-responding institutions. Also, while the reporting guidelines and definitions of degree programs have not changed between 2010 and 2020, the interpretation of these guidelines and definitions by individual institutions may have changed due to various reasons. Some of the extreme outliers were reviewed and verified; however, data submitted by institutions were used for analysis without imputation.

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

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## APPENDIX B

# Data Tables for Graduate Applications, First-Time Enrollment, Total Enrollment, Fall 2020, and Degrees Conferred, 2019-20

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<b>Table B.12</b>	Total Graduate Enrollment by Institution Type, Carnegie Classification, Gender, and Attendance Status, Fall 2020	<b>B11</b>
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**Table B.1: Applications for Admission to Graduate School by Institution Type, Carnegie Classification, and Degree Level, Fall 2020**

Carnegie Classification and Institution Type **	Total	Doctoral		Master's/Other *			Total	Total	
		Accepted Applications		Total	Accepted Applications			Accepted Applications	
<b>Total</b>	<b>678,451</b>	<b>151,123</b>	<b>22.3%</b>	<b>1,472,964</b>	<b>819,746</b>	<b>55.7%</b>	<b>2,153,116</b>	<b>972,247</b>	<b>45.2%</b>
<i>Public</i>	400,949	105,946	26.4%	917,819	529,549	57.7%	1,319,513	636,175	48.2%
<i>Private, not-for-profit</i>	277,470	45,155	16.3%	555,145	290,197	52.3%	833,571	336,050	40.3%
<i>Private, for-profit</i>	S	S		S	S		S	S	
Doctoral: Very High Research	572,385	112,476	19.7%	968,245	489,499	50.6%	1,540,630	601,975	39.1%
<i>Public</i>	340,027	83,331	24.5%	618,171	329,515	53.3%	958,198	412,846	43.1%
<i>Private, not-for-profit</i>	232,358	29,145	12.5%	350,074	159,984	45.7%	582,432	189,129	32.5%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral: High Research	59,988	21,928	36.6%	233,520	157,149	67.3%	293,508	179,077	61.0%
<i>Public</i>	36,461	14,829	40.7%	141,698	96,058	67.8%	178,159	110,887	62.2%
<i>Private, not-for-profit</i>	23,527	7,099	30.2%	91,822	61,091	66.5%	115,349	68,190	59.1%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral/Professional Universities	16,722	8,493	50.8%	93,143	59,923	64.3%	109,865	68,416	62.3%
<i>Public</i>	5,709	2,585	45.3%	36,193	24,566	67.9%	41,902	27,151	64.8%
<i>Private, not-for-profit</i>	11,013	5,908	53.6%	56,950	35,357	62.1%	67,963	41,265	60.7%
<i>Private, for-profit</i>	S	S		S	S		S	S	
Master's Colleges and Universities	11,123	4,824	43.4%	147,695	100,355	67.9%	160,519	106,557	66.4%
<i>Public</i>	4,796	2,415	50.4%	110,055	74,530	67.7%	115,596	77,625	67.2%
<i>Private, not-for-profit</i>	6,295	2,387	37.9%	37,640	25,825	68.6%	44,891	28,910	64.4%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Other	18,233	3,402	18.7%	30,361	12,820	42.2%	48,594	16,222	33.4%
<i>Public</i>	13,956	2,786	20.0%	11,702	4,880	41.7%	25,658	7,666	29.9%
<i>Private, not-for-profit</i>	4,277	616	14.4%	18,659	7,940	42.6%	22,936	8,556	37.3%
<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 Appendix A for information about the Carnegie Classification system.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.2: Applications for Admission to Graduate School by Broad Field and Degree Level, Fall 2020**

Broad Field	Doctoral			Master's/Other *			Total		
	Total	Accepted Applications		Total	Accepted Applications		Total	Accepted Applications	
<b>Total</b>	<b>678,451</b>	<b>151,123</b>	<b>22.3%</b>	<b>1,472,964</b>	<b>819,746</b>	<b>55.7%</b>	<b>2,153,116</b>	<b>972,247</b>	<b>45.2%</b>
Arts and Humanities	50,132	9,214	18.4%	73,355	30,863	42.1%	123,487	40,107	32.5%
Biological and Agricultural Sciences	84,998	14,335	16.9%	51,030	26,748	52.4%	136,028	41,083	30.2%
Business	21,254	2,988	14.1%	252,103	151,514	60.1%	273,550	154,692	56.5%
Education	23,489	11,215	47.7%	110,023	79,556	72.3%	133,632	91,153	68.2%
Engineering	86,117	22,824	26.5%	148,098	78,353	52.9%	234,215	101,177	43.2%
Health Sciences	72,481	22,030	30.4%	157,242	79,214	50.4%	229,953	101,487	44.1%
Mathematics and Computer Sciences	62,092	11,950	19.2%	205,272	89,014	43.4%	267,364	100,967	37.8%
Physical and Earth Sciences	63,997	16,274	25.4%	15,350	7,606	49.6%	79,347	23,880	30.1%
Public Administration and Services	3,220	1,014	31.5%	53,295	38,146	71.6%	56,641	39,420	69.6%
Social and Behavioral Sciences	105,198	14,241	13.5%	82,080	50,060	61.0%	187,565	64,570	34.4%
Other Fields	18,918	5,071	26.8%	90,911	56,419	62.1%	109,829	61,490	56.0%

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.3: First-Time Graduate Enrollment by Institution Type, Carnegie Classification, Gender, and Attendance Status, Fall 2020**

Carnegie Classification and Institution Type *	Total	Men		Women		Full-Time		Part-Time	
<b>Total</b>	<b>509,999</b>	<b>195,128</b>	<b>39.2%</b>	<b>303,146</b>	<b>60.8%</b>	<b>316,997</b>	<b>62.5%</b>	<b>189,937</b>	<b>37.5%</b>
<i>Public</i>	335,547	132,303	39.7%	200,625	60.3%	203,717	61.2%	129,211	38.8%
<i>Private, not-for-profit</i>	152,719	59,032	38.7%	93,392	61.3%	103,592	68.0%	48,681	32.0%
<i>Private, for-profit</i>	S	S		S		S		S	
Doctoral: Very High Research	254,620	112,319	44.6%	139,682	55.4%	177,667	70.5%	74,334	29.5%
<i>Public</i>	187,026	81,628	44.3%	102,779	55.7%	126,778	68.7%	57,629	31.3%
<i>Private, not-for-profit</i>	67,594	30,691	45.4%	36,903	54.6%	50,889	75.3%	16,705	24.7%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: High Research	92,213	33,957	36.8%	58,256	63.2%	53,904	58.5%	38,309	41.5%
<i>Public</i>	64,767	24,007	37.1%	40,760	62.9%	35,574	54.9%	29,193	45.1%
<i>Private, not-for-profit</i>	27,446	9,950	36.3%	17,496	63.7%	18,330	66.8%	9,116	33.2%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral/Professional Universities	63,703	15,344	28.0%	39,375	72.0%	32,301	50.8%	31,229	49.2%
<i>Public</i>	18,100	5,320	29.4%	12,780	70.6%	7,861	43.4%	10,239	56.6%
<i>Private, not-for-profit</i>	28,657	8,457	29.7%	20,027	70.3%	17,045	59.8%	11,439	40.2%
<i>Private, for-profit</i>	S	S		S		S		S	
Master's Colleges and Universities	87,032	29,037	33.4%	57,873	66.6%	44,370	51.1%	42,389	48.9%
<i>Public</i>	60,260	19,685	32.7%	40,575	67.3%	30,236	50.2%	30,024	49.8%
<i>Private, not-for-profit</i>	24,760	8,112	32.9%	16,526	67.1%	14,111	57.6%	10,376	42.4%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Other	11,382	4,129	36.3%	7,253	63.7%	7,866	69.1%	3,516	30.9%
<i>Public</i>	5,394	1,663	30.8%	3,731	69.2%	3,268	60.6%	2,126	39.4%
<i>Private, not-for-profit</i>	4,262	1,822	42.7%	2,440	57.3%	3,217	75.5%	1,045	24.5%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	

\* See Appendix A about the Carnegie Classification system.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.4: First-Time Graduate Enrollment by Broad Field, Gender, and Attendance Status, Fall 2020**

Broad Field	Total	Men	Women	Full-Time	Part-Time
<b>Total</b>	<b>509,999</b>	<b>195,128</b>	<b>39.2%</b>	<b>303,146</b>	<b>60.8%</b>
Arts and Humanities	21,149	8,658	41.0%	12,480	59.0%
Biological and Agricultural Sciences	23,226	8,954	38.6%	14,272	61.4%
Business	87,045	44,780	53.1%	39,518	46.9%
Education	75,083	16,618	23.2%	55,027	76.8%
Engineering	32,542	23,009	70.7%	9,533	29.3%
Health Sciences	67,126	13,885	20.7%	53,241	79.3%
Mathematics and Computer Sciences	29,411	19,342	66.4%	9,808	33.6%
Physical and Earth Sciences	9,882	5,501	55.7%	4,381	44.3%
Public Administration and Services	25,715	5,254	20.5%	20,321	79.5%
Social and Behavioral Sciences	37,118	11,984	34.1%	23,118	65.9%
Other Fields	31,286	11,011	35.4%	20,066	64.6%

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 2020**

Broad Field	Men				Women			
	Full-Time	Part-Time	Full-Time	Part-Time				
<b>Total</b>	<b>126,842</b>	<b>65.0%</b>	<b>68,203</b>	<b>35.0%</b>	<b>186,890</b>	<b>61.7%</b>	<b>116,035</b>	<b>38.3%</b>
Arts and Humanities	6,785	78.4%	1,873	21.6%	9,572	76.7%	2,908	23.3%
Biological and Agricultural Sciences	7,258	81.1%	1,696	18.9%	11,482	80.5%	2,790	19.5%
Business	27,915	62.3%	16,880	37.7%	23,272	58.8%	16,292	41.2%
Education	7,736	46.6%	8,868	53.4%	24,270	44.2%	30,667	55.8%
Engineering	16,151	70.2%	6,858	29.8%	6,987	73.3%	2,546	26.7%
Health Sciences	9,617	69.3%	4,268	30.7%	33,898	63.7%	19,343	36.3%
Mathematics and Computer Sciences	11,201	57.9%	8,141	42.1%	6,041	61.6%	3,767	38.4%
Physical and Earth Sciences	4,856	88.3%	645	11.7%	3,745	85.5%	636	14.5%
Public Administration and Services	3,500	66.6%	1,754	33.4%	14,479	71.3%	5,842	28.7%
Social and Behavioral Sciences	8,762	73.0%	3,236	27.0%	17,019	73.6%	6,119	26.4%
Other Fields	7,126	64.7%	3,885	35.3%	12,171	60.7%	7,895	39.3%

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 2020**

Broad Field	Total	Doctoral		Master's/Other *	
<b>Total</b>	<b>509,999</b>	<b>77,909</b>	<b>16.0%</b>	<b>410,537</b>	<b>84.0%</b>
Arts and Humanities	21,149	4,411	21.7%	15,893	78.3%
Biological and Agricultural Sciences	23,226	7,425	32.8%	15,222	67.2%
Business	87,045	1,969	2.4%	80,510	97.6%
Education	75,083	7,698	11.2%	60,881	88.8%
Engineering	32,542	7,766	24.4%	24,013	75.6%
Health Sciences	67,126	12,860	19.8%	51,993	80.2%
Mathematics and Computer Sciences	29,411	4,019	14.2%	24,324	85.8%
Physical and Earth Sciences	9,882	5,490	58.0%	3,971	42.0%
Public Administration and Services	25,715	571	2.3%	24,379	97.7%
Social and Behavioral Sciences	37,118	8,775	25.5%	25,662	74.5%
Other Fields	31,286	2,694	9.1%	27,011	90.9%

\* 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 2020**

Broad Field	Doctoral				Master's/Other *			
	Men		Women		Men		Women	
<b>Total</b>	<b>33,494</b>	<b>43.0%</b>	<b>44,400</b>	<b>57.0%</b>	<b>158,205</b>	<b>38.6%</b>	<b>251,765</b>	<b>61.4%</b>
Arts and Humanities	1,970	44.7%	2,441	55.3%	6,311	39.8%	9,564	60.2%
Biological and Agricultural Sciences	3,041	41.0%	4,384	59.0%	5,647	37.1%	9,575	62.9%
Business	1,064	54.0%	905	46.0%	42,749	53.1%	37,727	46.9%
Education	2,185	28.4%	5,513	71.6%	13,526	22.3%	47,135	77.7%
Engineering	5,338	68.7%	2,428	31.3%	17,133	71.3%	6,880	28.7%
Health Sciences	3,170	24.7%	9,690	75.3%	10,079	19.4%	41,877	80.6%
Mathematics and Computer Sciences	2,795	69.5%	1,224	30.5%	16,096	66.2%	8,225	33.8%
Physical and Earth Sciences	3,323	60.5%	2,167	39.5%	1,953	49.2%	2,018	50.8%
Public Administration and Services	200	35.0%	371	65.0%	4,866	20.0%	19,416	80.0%
Social and Behavioral Sciences	3,039	34.6%	5,736	65.4%	8,613	33.6%	16,998	66.4%
Other Fields	1,104	41.0%	1,590	59.0%	9,470	35.1%	17,541	64.9%

\* 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 2020**

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>509,999</b>	<b>435,191</b>	<b>87.4%</b>	<b>62,814</b>	<b>12.6%</b>
Institution Type					
Public	335,547	296,986	89.4%	35,138	10.6%
Private, not-for-profit	152,719	124,356	82.1%	27,128	17.9%
Private, for-profit	S	S		S	
Carnegie Classification *					
Doctoral: Very High Research	254,620	207,036	81.8%	46,026	18.2%
Doctoral: High Research	92,213	84,092	91.0%	8,298	9.0%
Doctoral/Professional Universities	63,703	52,977	95.5%	2,494	4.5%
Master's Colleges and Universities	87,032	80,453	95.0%	4,221	5.0%
Other	11,477	9,687	84.6%	1,767	15.4%

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.9: First-Time Graduate Enrollment by Broad Field and Citizenship, Fall 2020**

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>509,999</b>	<b>435,191</b>	<b>87.4%</b>	<b>62,814</b>	<b>12.6%</b>
Arts and Humanities	21,149	17,931	86.0%	2,925	14.0%
Biological and Agricultural Sciences	23,226	19,573	86.8%	2,981	13.2%
Business	87,045	72,739	86.6%	11,297	13.4%
Education	75,083	69,804	96.7%	2,378	3.3%
Engineering	32,542	21,362	66.9%	10,586	33.1%
Health Sciences	67,126	63,308	96.2%	2,471	3.8%
Mathematics and Computer Sciences	29,411	18,351	64.2%	10,248	35.8%
Physical and Earth Sciences	9,882	7,720	79.4%	2,007	20.6%
Public Administration and Services	25,715	24,906	97.4%	667	2.6%
Social and Behavioral Sciences	37,118	30,995	87.6%	4,381	12.4%
Other Fields	31,286	27,148	87.8%	3,773	12.2%

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 2020**

Citizenship and Race/Ethnicity	Total	Men		Women	
<b>Total</b>	<b>509,999</b>	<b>195,128</b>	<b>39.2%</b>	<b>303,146</b>	<b>60.8%</b>
U.S. Citizens and Permanent Residents	435,191	160,401	37.3%	270,071	62.7%
Hispanic/Latino	56,587	20,038	35.6%	36,307	64.4%
<i>Non-Hispanic:</i>					
American Indian/Alaska Native	2,038	676	33.9%	1,320	66.1%
Asian	35,008	15,290	43.8%	19,630	56.2%
Black/African American	53,754	16,058	30.6%	36,394	69.4%
Native Hawaiian/ Other Pacific Islander	666	251	38.8%	396	61.2%
White	254,402	95,563	37.9%	156,639	62.1%
Two or More Races	14,406	5,324	37.4%	8,906	62.6%
Race/Ethnicity Unknown	19,466	7,524	40.0%	11,292	60.0%
Temporary Residents	62,814	33,077	52.7%	29,693	47.3%
Citizenship Unknown	5,630	115	25.7%	333	74.3%

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees



**Table B.11: First-Time Graduate Enrollment by Broad Field and Race/Ethnicity, Fall 2020  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/ African American	
<b>Total</b>	<b>56,587</b>	<b>13.0%</b>	<b>2,038</b>	<b>0.5%</b>	<b>35,008</b>	<b>8.0%</b>	<b>53,754</b>	<b>12.3%</b>
Arts and Humanities	2,312	12.9%	87	0.5%	842	4.7%	1,357	7.6%
Biological and Agricultural Sciences	2,476	12.6%	92	0.5%	2,023	10.3%	1,664	8.5%
Business	8,900	12.2%	264	0.4%	7,296	10.0%	9,157	12.6%
Education	9,237	13.1%	403	0.6%	2,387	3.4%	10,252	14.6%
Engineering	2,618	12.3%	78	0.4%	3,169	14.8%	1,319	6.2%
Health Sciences	7,403	11.7%	283	0.4%	5,209	8.2%	8,105	12.8%
Mathematics and Computer Sciences	1,952	10.6%	46	0.3%	3,846	21.0%	1,902	10.4%
Physical and Earth Sciences	893	11.6%	26	0.3%	607	7.9%	343	4.4%
Public Administration and Services	3,918	15.7%	176	0.7%	869	3.5%	4,338	17.4%
Social and Behavioral Sciences	4,834	15.5%	176	0.6%	1,808	5.8%	3,951	12.7%
Other Fields	3,587	13.2%	226	0.8%	1,347	5.0%	3,166	11.7%

Broad Field	Native Hawaiian/ Other Pacific Islander		White		Two or More Races		Race/ Ethnicity Unknown	
<b>Total</b>	<b>666</b>	<b>0.2%</b>	<b>254,402</b>	<b>58.3%</b>	<b>14,406</b>	<b>3.3%</b>	<b>19,466</b>	<b>4.5%</b>
Arts and Humanities	25	0.1%	11,823	65.9%	741	4.1%	744	4.1%
Biological and Agricultural Sciences	25	0.1%	11,714	59.8%	755	3.9%	827	4.2%
Business	163	0.2%	41,554	57.0%	2,188	3.0%	3,417	4.7%
Education	137	0.2%	42,619	60.5%	1,965	2.8%	3,441	4.9%
Engineering	31	0.1%	12,572	58.9%	800	3.7%	775	3.6%
Health Sciences	107	0.2%	37,477	59.1%	1,912	3.0%	2,899	4.6%
Mathematics and Computer Sciences	28	0.2%	8,958	48.8%	626	3.4%	993	5.4%
Physical and Earth Sciences	11	0.1%	5,271	68.3%	319	4.1%	250	3.2%
Public Administration and Services	51	0.2%	13,817	55.4%	864	3.5%	918	3.7%
Social and Behavioral Sciences	56	0.2%	17,724	56.8%	1,291	4.1%	1,365	4.4%
Other Fields	37	0.1%	16,431	60.5%	955	3.5%	1,396	5.1%

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.12: Total Graduate Enrollment by Institution Type, Carnegie Classification, Gender, and Attendance Status, Fall 2020**

Carnegie Classification and Institution Type *	Total	Men		Women		Full-Time		Part-Time	
<b>Total</b>	<b>1,737,532</b>	<b>688,267</b>	<b>40.3%</b>	<b>1,021,366</b>	<b>59.7%</b>	<b>975,190</b>	<b>56.6%</b>	<b>748,234</b>	<b>43.4%</b>
<i>Public</i>	1,152,978	473,565	41.5%	666,524	58.5%	618,554	54.2%	521,858	45.8%
<i>Private, not-for-profit</i>	504,980	199,597	39.9%	301,085	60.1%	308,454	61.3%	194,984	38.7%
<i>Private, for-profit</i>	S	S		S		S		S	
Doctoral: Very High Research	869,003	405,169	47.2%	454,097	52.8%	562,115	65.4%	297,151	34.6%
<i>Public</i>	656,859	303,105	46.8%	344,017	53.2%	408,095	63.1%	239,027	36.9%
<i>Private, not-for-profit</i>	212,144	102,064	48.1%	110,080	51.9%	154,020	72.6%	58,124	27.4%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: High Research	313,691	117,083	37.9%	191,630	62.1%	159,535	50.9%	154,156	49.1%
<i>Public</i>	222,187	83,422	38.1%	135,613	61.9%	102,580	46.2%	119,607	53.8%
<i>Private, not-for-profit</i>	91,504	33,661	37.5%	56,017	62.5%	56,955	62.2%	34,549	37.8%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral/Professional Universities	219,042	54,609	26.4%	151,928	73.6%	95,659	44.4%	120,027	55.6%
<i>Public</i>	65,450	18,094	27.6%	47,356	72.4%	21,190	33.8%	41,431	66.2%
<i>Private, not-for-profit</i>	97,943	27,961	29.1%	68,189	70.9%	49,096	50.4%	48,320	49.6%
<i>Private, for-profit</i>	S	S		S		S		S	
Master's Colleges and Universities	281,562	93,513	33.3%	187,370	66.7%	115,261	41.1%	165,286	58.9%
<i>Public</i>	190,089	62,923	33.1%	127,166	66.9%	75,396	39.7%	114,693	60.3%
<i>Private, not-for-profit</i>	91,473	30,590	33.7%	60,204	66.3%	39,865	44.1%	50,593	55.9%
<i>Private, for-profit</i>	S	S		S		S		S	
Other	50,950	16,872	33.1%	34,078	66.9%	40,089	78.7%	10,861	21.3%
<i>Public</i>	18,393	6,021	32.7%	12,372	67.3%	11,293	61.4%	7,100	38.6%
<i>Private, not-for-profit</i>	11,916	5,321	44.7%	6,595	55.3%	8,518	71.5%	3,398	28.5%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.13: Total Graduate Enrollment by Broad Field, Gender, and Attendance Status, Fall 2020**

Broad Field	Total	Men		Women		Full-Time		Part-Time	
<b>Total</b>	<b>1,737,532</b>	<b>688,267</b>	<b>40.3%</b>	<b>1,021,366</b>	<b>59.7%</b>	<b>975,190</b>	<b>56.6%</b>	<b>748,234</b>	<b>43.4%</b>
Arts and Humanities	83,796	36,207	43.2%	47,578	56.8%	55,450	66.2%	28,346	33.8%
Biological and Agricultural Sciences	90,229	37,790	41.9%	52,426	58.1%	66,843	74.1%	23,386	25.9%
Business	251,301	131,136	53.5%	114,089	46.5%	117,035	47.0%	131,727	53.0%
Education	265,312	62,038	23.8%	198,341	76.2%	95,712	36.2%	168,737	63.8%
Engineering	133,242	96,315	72.3%	36,929	27.7%	89,885	67.5%	43,362	32.5%
Health Sciences	235,965	49,231	20.9%	186,734	79.1%	134,587	57.0%	101,378	43.0%
Mathematics and Computer Sciences	115,192	77,656	68.0%	36,547	32.0%	61,272	53.5%	53,241	46.5%
Physical and Earth Sciences	48,166	29,054	60.3%	19,112	39.7%	40,096	83.2%	8,070	16.8%
Public Administration and Services	74,231	15,549	21.0%	58,515	79.0%	45,661	61.5%	28,570	38.5%
Social and Behavioral Sciences	121,539	42,088	35.5%	76,402	64.5%	79,514	65.7%	41,466	34.3%
Other Fields	106,678	41,558	39.1%	64,856	60.9%	51,162	48.0%	55,516	52.0%

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.14: Total Graduate Enrollment by Gender, Attendance Status, and Broad Field, Fall 2020**

Broad Field	Men				Women			
	Full-Time		Part-Time		Full-Time		Part-Time	
<b>Total</b>	<b>406,770</b>	<b>59.2%</b>	<b>280,358</b>	<b>40.8%</b>	<b>560,111</b>	<b>54.9%</b>	<b>459,229</b>	<b>45.1%</b>
Arts and Humanities	23,825	65.8%	12,382	34.2%	31,625	66.5%	15,953	33.5%
Biological and Agricultural Sciences	28,192	74.6%	9,598	25.4%	38,651	73.7%	13,775	26.3%
Business	62,204	47.4%	68,982	52.6%	53,345	46.7%	60,871	53.3%
Education	22,621	36.5%	39,389	63.5%	70,952	35.8%	127,233	64.2%
Engineering	64,231	66.7%	32,087	33.3%	25,654	69.5%	11,275	30.5%
Health Sciences	30,996	63.0%	18,235	37.0%	103,591	55.5%	83,143	44.5%
Mathematics and Computer Sciences	40,408	52.0%	37,248	48.0%	20,724	56.7%	15,823	43.3%
Physical and Earth Sciences	24,468	84.2%	4,586	15.8%	15,628	81.8%	3,484	18.2%
Public Administration and Services	8,480	54.5%	7,069	45.5%	37,111	63.4%	21,404	36.6%
Social and Behavioral Sciences	27,788	66.0%	14,338	34.0%	50,968	66.6%	25,514	33.4%
Other Fields	19,610	47.2%	21,948	52.8%	31,424	48.5%	33,432	51.5%

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 2020**

Broad Field	Total	Doctoral		Master's/Other *	
<b>Total</b>	<b>1,737,532</b>	<b>457,312</b>	<b>27.1%</b>	<b>1,229,461</b>	<b>72.9%</b>
Arts and Humanities	83,796	31,315	38.8%	49,395	61.2%
Biological and Agricultural Sciences	90,229	47,012	53.4%	40,961	46.6%
Business	251,301	12,102	5.0%	228,226	95.0%
Education	265,312	50,235	20.4%	196,034	79.6%
Engineering	133,242	57,139	43.8%	73,327	56.2%
Health Sciences	235,965	60,473	26.6%	166,772	73.4%
Mathematics and Computer Sciences	115,192	25,138	22.4%	87,238	77.6%
Physical and Earth Sciences	48,166	35,234	75.9%	11,199	24.1%
Public Administration and Services	74,231	5,050	7.0%	67,134	93.0%
Social and Behavioral Sciences	121,539	48,841	41.8%	67,941	58.2%
Other Fields	106,678	14,855	14.6%	86,895	85.4%

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.16: Total Graduate Enrollment by Degree Level, Gender, and Broad Field, Fall 2020**

Broad Field	Doctoral				Master's/Other *			
	Men		Women		Men		Women	
<b>Total</b>	<b>211,764</b>	<b>46.5%</b>	<b>244,045</b>	<b>53.5%</b>	<b>465,876</b>	<b>38.1%</b>	<b>756,004</b>	<b>61.9%</b>
Arts and Humanities	14,404	46.0%	16,911	54.0%	20,376	41.3%	28,956	58.7%
Biological and Agricultural Sciences	20,849	44.3%	26,163	55.7%	15,850	38.7%	25,111	61.3%
Business	6,143	52.0%	5,679	48.0%	120,897	53.6%	104,815	46.4%
Education	14,623	29.1%	35,542	70.9%	43,023	22.1%	151,785	77.9%
Engineering	41,300	72.3%	15,839	27.7%	53,007	72.3%	20,320	27.7%
Health Sciences	16,035	26.5%	44,438	73.5%	30,858	18.5%	135,766	81.5%
Mathematics and Computer Sciences	18,035	71.9%	7,033	28.1%	58,167	67.1%	28,456	32.9%
Physical and Earth Sciences	22,236	63.1%	12,998	36.9%	5,836	52.1%	5,363	47.9%
Public Administration and Services	1,523	30.2%	3,527	69.8%	13,453	20.1%	53,364	79.9%
Social and Behavioral Sciences	18,025	37.0%	30,746	63.0%	22,904	34.1%	44,264	65.9%
Other Fields	6,608	44.5%	8,247	55.5%	33,259	38.3%	53,636	61.7%

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.17: Total Graduate Enrollment by Institution Type, Carnegie Classification, and Citizenship, Fall 2020**

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>1,737,532</b>	<b>1,443,643</b>	<b>83.8%</b>	<b>279,114</b>	<b>16.2%</b>
Institution Type					
Public	1,152,978	956,282	84.1%	181,390	15.9%
Private, not-for-profit	504,980	407,614	80.9%	96,218	19.1%
Private, for-profit	S	S		S	
Carnegie Classification *					
Doctoral: Very High Research	869,003	655,482	75.9%	207,564	24.1%
Doctoral: High Research	313,691	275,204	87.6%	39,110	12.4%
Doctoral/Professional Universities	219,042	195,288	95.5%	9,280	4.5%
Master's Colleges and Universities	281,562	270,102	94.2%	16,592	5.8%
Other	51,303	44,657	87.2%	6,547	12.8%

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.18: Total Graduate Enrollment by Broad Field and Citizenship, Fall 2020**

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
<b>Total</b>	<b>1,737,532</b>	<b>1,443,643</b>	<b>83.8%</b>	<b>279,114</b>	<b>16.2%</b>
Arts and Humanities	83,796	68,864	83.4%	13,675	16.6%
Biological and Agricultural Sciences	90,229	70,749	80.7%	16,969	19.3%
Business	251,301	210,973	86.8%	32,201	13.2%
Education	265,312	248,521	96.5%	9,079	3.5%
Engineering	133,242	72,112	55.2%	58,513	44.8%
Health Sciences	235,965	221,100	95.8%	9,808	4.2%
Mathematics and Computer Sciences	115,192	62,813	56.2%	48,877	43.8%
Physical and Earth Sciences	48,166	32,024	67.5%	15,417	32.5%
Public Administration and Services	74,231	71,521	97.0%	2,181	3.0%
Social and Behavioral Sciences	121,539	99,532	85.0%	17,591	15.0%
Other Fields	106,678	91,842	87.0%	13,664	13.0%

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 2020**

Citizenship and Race/Ethnicity	Total	Men		Women	
<b>Total</b>	<b>1,737,532</b>	<b>688,267</b>	<b>40.3%</b>	<b>1,021,366</b>	<b>59.7%</b>
U.S. Citizens and Permanent Residents	1,443,643	534,714	37.3%	898,558	62.7%
Hispanic/Latino	173,829	62,077	36.0%	110,564	64.0%
<i>Non-Hispanic:</i>					
American Indian/Alaska Native	6,849	2,212	32.5%	4,594	67.5%
Asian	105,756	46,588	44.2%	58,739	55.8%
Black/African American	185,116	54,140	29.5%	129,350	70.5%
Native Hawaiian/ Other Pacific Islander	2,544	978	38.9%	1,535	61.1%
White	855,386	324,887	38.2%	524,786	61.8%
Two or More Races	44,808	16,522	37.1%	27,966	62.9%
Race/Ethnicity Unknown	72,324	28,198	39.5%	43,105	60.5%
Temporary Residents	279,114	158,790	56.9%	120,062	43.1%
Citizenship Unknown	9,052	707	32.5%	1,471	67.5%

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.20: Total Graduate Enrollment by Broad Field and Race/Ethnicity, Fall 2020  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/ African American	
<b>Total</b>	<b>173,829</b>	<b>12.0%</b>	<b>6,849</b>	<b>0.5%</b>	<b>105,756</b>	<b>7.3%</b>	<b>185,116</b>	<b>12.8%</b>
Arts and Humanities	8,137	11.8%	395	0.6%	3,115	4.5%	4,477	6.5%
Biological and Agricultural Sciences	7,964	11.3%	327	0.5%	6,544	9.2%	4,690	6.6%
Business	24,218	11.5%	824	0.4%	19,374	9.2%	28,647	13.5%
Education	31,127	12.4%	1,509	0.6%	7,769	3.1%	36,783	14.7%
Engineering	8,181	11.3%	236	0.3%	9,627	13.4%	4,435	6.2%
Health Sciences	22,355	10.1%	887	0.4%	17,734	8.0%	29,627	13.4%
Mathematics and Computer Sciences	6,231	9.9%	149	0.2%	11,488	18.3%	6,645	10.6%
Physical and Earth Sciences	3,346	10.4%	107	0.3%	2,445	7.6%	1,224	3.8%
Public Administration and Services	10,496	14.7%	501	0.7%	2,257	3.2%	14,532	20.3%
Social and Behavioral Sciences	14,032	14.0%	622	0.6%	5,422	5.4%	13,373	13.3%
Other Fields	11,066	12.0%	657	0.7%	4,153	4.5%	10,890	11.9%

Broad Field	Native Hawaiian/ Other Pacific Islander		White		Two or More Races		Race/ Ethnicity Unknown	
<b>Total</b>	<b>2,544</b>	<b>0.2%</b>	<b>855,386</b>	<b>59.1%</b>	<b>44,808</b>	<b>3.1%</b>	<b>72,324</b>	<b>5.0%</b>
Arts and Humanities	123	0.2%	46,741	67.9%	2,637	3.8%	3,239	4.7%
Biological and Agricultural Sciences	116	0.2%	45,575	64.4%	2,677	3.8%	2,859	4.0%
Business	627	0.3%	120,695	57.1%	5,944	2.8%	11,119	5.3%
Education	532	0.2%	155,446	62.1%	6,323	2.5%	10,786	4.3%
Engineering	131	0.2%	43,967	61.0%	2,603	3.6%	2,932	4.1%
Health Sciences	456	0.2%	132,674	60.0%	6,028	2.7%	11,539	5.2%
Mathematics and Computer Sciences	125	0.2%	32,720	52.1%	2,076	3.3%	3,379	5.4%
Physical and Earth Sciences	64	0.2%	22,552	70.4%	1,151	3.6%	1,135	3.5%
Public Administration and Services	130	0.2%	38,618	53.9%	2,339	3.3%	2,761	3.9%
Social and Behavioral Sciences	178	0.2%	58,135	58.0%	3,804	3.8%	4,662	4.7%
Other Fields	184	0.2%	56,896	62.0%	3,015	3.3%	4,975	5.4%

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table B.21: Graduate Degrees and Certificates Awarded by Degree Level, Carnegie Classification, and Institution Type, 2019-20**

Carnegie Classification and Institution Type *	Doctoral Degrees		Master's Degrees		Certificates	
<b>Total</b>	<b>76,111</b>	<b>100.0%</b>	<b>533,002</b>	<b>100.0%</b>	<b>50,721</b>	<b>100.0%</b>
<i>Public</i>	50,432	66.7%	346,933	65.2%	36,593	72.3%
<i>Private, not-for-profit</i>	22,519	29.8%	169,038	31.8%	12,293	24.3%
<i>Private, for-profit</i>	S		S		S	
Doctoral: Highest Research	49,150	64.7%	260,644	49.0%	24,553	48.5%
<i>Public</i>	37,431	76.2%	190,522	73.1%	20,669	84.2%
<i>Private, not-for-profit</i>	11,719	23.8%	70,122	26.9%	3,884	15.8%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral: Very High Research	12,726	16.7%	97,548	18.3%	10,228	20.2%
<i>Public</i>	8,337	65.5%	67,811	69.5%	8,058	78.8%
<i>Private, not-for-profit</i>	4,389	34.5%	29,737	30.5%	2,170	21.2%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral/Professional Universities	8,286	10.9%	59,172	11.1%	5,479	10.8%
<i>Public</i>	1,712	20.7%	18,178	30.7%	2,324	42.4%
<i>Private, not-for-profit</i>	4,320	52.1%	30,941	52.3%	2,347	42.8%
<i>Private, for-profit</i>	S		S		S	
Master's Colleges and Universities	3,436	4.5%	100,604	18.9%	8,599	17.0%
<i>Public</i>	1,702	49.5%	66,102	65.7%	5,173	60.2%
<i>Private, not-for-profit</i>	1,734	50.5%	34,502	34.3%	3,426	39.8%
<i>Private, for-profit</i>	S		S		S	
Other	2,403	3.2%	14,120	2.7%	1,742	3.4%
<i>Public</i>	1,250	63.8%	4,320	30.8%	369	21.2%
<i>Private, not-for-profit</i>	357	18.2%	3,736	26.6%	466	26.8%
<i>Private, for-profit</i>	N/A		N/A		N/A	

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees



**Table B.22: Graduate Degrees and Certificates Awarded by Degree Level and Broad Field, 2019-20**

Broad Field	Doctoral Degrees		Master's Degrees		Certificates	
	Count	Percentage	Count	Percentage	Count	Percentage
<b>Total</b>	<b>76,111</b>	<b>100.0%</b>	<b>533,002</b>	<b>100.0%</b>	<b>50,721</b>	<b>100.0%</b>
Arts and Humanities	4,688	7.2%	20,541	4.5%	1,234	3.0%
Biological and Agricultural Sciences	7,483	11.5%	17,491	3.8%	1,062	2.6%
Business	2,217	3.4%	98,572	21.4%	5,094	12.6%
Education	7,966	12.3%	86,437	18.8%	12,000	29.6%
Engineering	9,095	14.0%	38,005	8.2%	4,861	12.0%
Health Sciences	14,231	21.9%	62,015	13.5%	5,422	13.4%
Mathematics and Computer Sciences	3,245	5.0%	37,014	8.0%	1,953	4.8%
Physical and Earth Sciences	5,050	7.8%	6,355	1.4%	523	1.3%
Public Administration and Services	1,302	2.0%	27,850	6.0%	948	2.3%
Social and Behavioral Sciences	7,277	11.2%	30,653	6.7%	2,736	6.8%
Other Fields	2,367	3.6%	35,992	7.8%	4,679	11.5%

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, 2019-20**

Broad Field	Total	Men		Women	
		Count	Percentage	Count	Percentage
<b>Total</b>	<b>50,721</b>	<b>18,849</b>	<b>37.9%</b>	<b>30,946</b>	<b>62.1%</b>
Arts and Humanities	1,234	514	41.7%	720	58.3%
Biological and Agricultural Sciences	1,062	390	36.7%	672	63.3%
Business	5,094	2,447	48.4%	2,614	51.6%
Education	12,000	2,543	21.2%	9,437	78.8%
Engineering	4,861	3,298	67.8%	1,563	32.2%
Health Sciences	5,422	1,031	19.0%	4,391	81.0%
Mathematics and Computer Sciences	1,953	1,201	61.5%	752	38.5%
Physical and Earth Sciences	523	294	56.2%	229	43.8%
Public Administration and Services	948	239	25.2%	709	74.8%
Social and Behavioral Sciences	2,736	1,031	37.4%	1,728	62.6%
Other Fields	4,679	1,746	37.3%	2,933	62.7%

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, 2019-20**

Broad Field	Total	Men		Women	
<b>Total</b>	<b>533,002</b>	<b>210,290</b>	<b>39.9%</b>	<b>317,290</b>	<b>60.1%</b>
Arts and Humanities	20,541	8,738	42.5%	11,803	57.5%
Biological and Agricultural Sciences	17,491	7,169	41.0%	10,319	59.0%
Business	98,572	53,322	54.2%	45,132	45.8%
Education	86,437	19,087	22.2%	67,069	77.8%
Engineering	38,005	27,435	72.2%	10,570	27.8%
Health Sciences	62,015	11,914	19.2%	50,101	80.8%
Mathematics and Computer Sciences	37,014	23,856	64.5%	13,141	35.5%
Physical and Earth Sciences	6,355	3,659	57.6%	2,696	42.4%
Public Administration and Services	27,850	5,496	19.7%	22,345	80.3%
Social and Behavioral Sciences	30,653	11,282	36.9%	19,305	63.1%
Other Fields	35,992	14,734	41.0%	21,246	59.0%

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, 2019-20**

Broad Field	Total	Men		Women	
<b>Total</b>	<b>76,111</b>	<b>35,368</b>	<b>46.9%</b>	<b>40,037</b>	<b>53.1%</b>
Arts and Humanities	4,688	2,261	48.2%	2,427	51.8%
Biological and Agricultural Sciences	7,483	3,454	46.2%	4,029	53.8%
Business	2,217	1,144	53.3%	1,002	46.7%
Education	7,966	2,521	32.2%	5,316	67.8%
Engineering	9,095	6,813	75.1%	2,261	24.9%
Health Sciences	14,231	4,068	28.6%	10,163	71.4%
Mathematics and Computer Sciences	3,245	2,404	74.2%	835	25.8%
Physical and Earth Sciences	5,050	3,285	65.0%	1,765	35.0%
Public Administration and Services	1,302	308	23.8%	987	76.2%
Social and Behavioral Sciences	7,277	2,821	38.8%	4,459	61.3%
Other Fields	2,367	1,086	46.1%	1,271	53.9%

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, 2010 to 2020

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**Table C.1: Applications for Admission to Graduate School by Institution Type, Carnegie Classification, and Degree Level, 2010 to 2020**

Institution Type, Carnegie Classification, and Degree Level	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>7.3%</b>	<b>2.0%</b>	<b>2.5%</b>
Institution Type			
<i>Public</i>	6.1%	0.6%	1.7%
<i>Private, not-for-profit</i>	9.2%	4.5%	4.2%
<i>Private, for-profit</i>	S	N/A	N/A
Carnegie Classification *			
<i>Doctoral: Very High Research</i>	8.1%	2.7%	2.6%
<i>Doctoral: High Research</i>	4.5%	0.3%	1.5%
<i>Doctoral/Professional Universities</i>	5.6%	1.5%	4.4%
<i>Master's Colleges and Universities</i>	2.8%	-1.3%	1.4%
<i>Other</i>	16.1%	6.3%	5.4%
Degree Level			
<i>Doctoral</i>	2.8%	1.9%	0.9%
<i>Master's/Other **</i>	9.6%	2.1%	3.4%

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

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

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

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

Not all respondents provided applications data by level.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.2: Applications for Admission to Graduate School by Broad Field, 2010 to 2020**

Broad Field	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>7.3%</b>	<b>2.0%</b>	<b>2.5%</b>
Arts and Humanities	1.9%	-1.7%	-2.1%
Biological and Agricultural Sciences	15.0%	5.7%	3.5%
Business	17.3%	4.6%	3.0%
Education	5.7%	1.0%	-0.2%
Engineering	1.8%	-3.0%	1.6%
Health Sciences	2.3%	0.1%	4.1%
Mathematics and Computer Sciences	11.5%	7.4%	16.6%
Physical and Earth Sciences	4.0%	1.6%	1.5%
Public Administration and Services	3.6%	-0.3%	0.2%
Social and Behavioral Sciences	8.9%	1.2%	0.2%
Other Fields	11.3%	3.3%	0.8%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.3: Applications for Admission to Graduate School by Broad Field and Degree Level, 2010 to 2020**

Broad Field	% Change, 2019 to 2020	Doctoral		Master's/Other*		
		Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>2.8%</b>	<b>1.9%</b>	<b>0.9%</b>	<b>9.6%</b>	<b>2.1%</b>	<b>3.4%</b>
Arts and Humanities	4.2%	-1.3%	-2.1%	0.3%	-2.0%	-2.1%
Biological and Agricultural Sciences	11.1%	6.4%	3.4%	22.3%	4.6%	3.7%
Business	-1.3%	1.8%	-1.4%	19.1%	4.9%	3.6%
Education	-7.2%	-1.0%	0.3%	9.0%	1.5%	-0.2%
Engineering	-0.5%	-0.3%	0.1%	3.1%	-4.2%	2.9%
Health Sciences	0.3%	0.4%	3.7%	3.0%	0.0%	4.3%
Mathematics and Computer Sciences	4.7%	7.0%	5.1%	13.8%	7.5%	25.4%
Physical and Earth Sciences	3.1%	2.5%	2.2%	8.3%	-1.7%	-0.9%
Public Administration and Services	-8.6%	2.1%	-0.7%	4.6%	-0.4%	0.3%
Social and Behavioral Sciences	3.7%	-0.4%	-0.6%	16.3%	3.6%	1.5%
Other Fields	-1.0%	1.5%	0.8%	14.0%	3.7%	0.8%

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

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

See Appendix D for the survey taxonomy.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees



**Table C.4: First-Time Graduate Enrollment by Institution Type and Carnegie Classification, 2010 to 2020**

Carnegie Classification and Institution Type *	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>1.8%</b>	<b>1.7%</b>	<b>1.8%</b>
<i>Public</i>	3.0%	2.0%	2.1%
<i>Private, not-for-profit</i>	-0.7%	1.6%	1.3%
<i>Private, for-profit</i>	N/A	S	S
Doctoral: Very High Research	-0.7%	2.0%	2.3%
<i>Public</i>	0.1%	1.7%	2.2%
<i>Private, not-for-profit</i>	-3.1%	2.9%	2.6%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral: High Research	5.6%	1.1%	1.3%
<i>Public</i>	5.8%	1.2%	1.6%
<i>Private, not-for-profit</i>	4.9%	0.7%	0.6%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral/Professional Universities	6.5%	0.9%	1.1%
<i>Public</i>	10.6%	5.4%	4.2%
<i>Private, not-for-profit</i>	4.1%	0.7%	0.5%
<i>Private, for-profit</i>	N/A	S	S
Master's Colleges and Universities	4.9%	1.7%	1.3%
<i>Public</i>	8.6%	2.7%	1.9%
<i>Private, not-for-profit</i>	-5.2%	-1.1%	-0.2%
<i>Private, for-profit</i>	N/A	N/A	N/A
Other	-1.9%	3.8%	2.6%
<i>Public</i>	2.0%	4.1%	3.8%
<i>Private, not-for-profit</i>	-6.7%	3.4%	1.1%
<i>Private, for-profit</i>	N/A	N/A	N/A

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

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

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.5: First-Time Graduate Enrollment by Citizenship and Race/Ethnicity, 2010 to 2020**

Citizenship and Race/Ethnicity	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>1.8%</b>	<b>1.7%</b>	<b>1.8%</b>
U.S. Citizens and Permanent Residents	12.9%	4.9%	2.7%
<i>American Indian/Alaska Native</i>	8.8%	2.9%	0.8%
<i>Asian/Pacific Islander *</i>	16.7%	9.7%	6.3%
<i>Asian</i>	17.1%	9.9%	N/A
<i>Native Hawaiians/Other Pacific Islanders</i>	1.7%	1.3%	N/A
<i>Black/African American</i>	16.0%	6.1%	5.4%
<i>Hispanic/Latino</i>	20.4%	12.9%	9.2%
<i>White</i>	10.1%	2.9%	1.1%
Temporary Residents	-37.4%	-7.7%	-0.8%
Other/Unknown **	8.8%	0.9%	-1.2%

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

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

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.6: First-Time Graduate Enrollment by Citizenship, Race/Ethnicity, and Gender, 2010 to 2020**

Citizenship and Race/Ethnicity	% Change, 2019 to 2020	Men		Women		
		Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>-2.1%</b>	<b>-0.3%</b>	<b>0.9%</b>	<b>4.6%</b>	<b>3.3%</b>	<b>2.5%</b>
U.S. Citizens and Permanent Residents	12.8%	3.9%	2.0%	12.9%	5.5%	3.1%
<i>American Indian/Alaska Native</i>	11.0%	1.5%	-0.3%	7.3%	3.5%	1.5%
<i>Asian/Pacific Islander *</i>	16.4%	9.1%	5.4%	16.8%	10.3%	7.1%
<i>Asian</i>	16.9%	9.3%	N/A	17.0%	10.5%	N/A
<i>Native Hawaiians/Other Pacific Islanders</i>	-6.9%	0.4%	N/A	8.1%	2.0%	N/A
<i>Black/African American</i>	16.4%	5.9%	5.5%	15.9%	6.2%	5.4%
<i>Hispanic/Latino</i>	20.6%	11.3%	8.5%	20.3%	13.8%	9.6%
<i>White</i>	10.0%	1.9%	0.5%	10.1%	3.6%	1.5%
Temporary Residents	-39.7%	-8.9%	-1.5%	-34.4%	-6.1%	0.2%
Other/Unknown **	9.7%	0.1%	-1.8%	8.3%	1.4%	-0.8%

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

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

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.7: First-Time Graduate Enrollment by Broad Field, 2010 to 2020**

Broad Field	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>1.8%</b>	<b>1.7%</b>	<b>1.8%</b>
Arts and Humanities	-5.6%	-2.1%	-2.1%
Biological and Agricultural Sciences	9.1%	4.1%	2.4%
Business	16.0%	6.1%	4.1%
Education	7.7%	1.6%	-0.4%
Engineering	-15.8%	-3.9%	0.0%
Health Sciences	8.0%	3.5%	5.2%
Mathematics and Computer Sciences	-16.6%	-0.6%	6.8%
Physical and Earth Sciences	-7.7%	-1.5%	-0.7%
Public Administration and Services	6.5%	1.6%	1.6%
Social and Behavioral Sciences	3.1%	2.0%	0.2%
Other Fields	-3.0%	1.2%	-0.3%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.8: First-Time Graduate Enrollment by Broad Field and Attendance Status, 2010 to 2020**

Broad Field	Full-Time			Part-Time		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>-3.7%</b>	<b>-0.1%</b>	<b>1.0%</b>	<b>13.5%</b>	<b>5.9%</b>	<b>3.7%</b>
Arts and Humanities	-8.8%	-2.7%	-2.1%	8.4%	0.4%	-1.9%
Biological and Agricultural Sciences	5.1%	2.7%	1.9%	30.0%	13.2%	5.5%
Business	8.7%	3.8%	2.8%	30.3%	11.0%	7.1%
Education	8.1%	1.2%	-1.6%	7.3%	1.8%	1.0%
Engineering	-26.2%	-6.5%	-1.0%	26.7%	9.4%	4.4%
Health Sciences	5.1%	1.9%	4.5%	14.2%	6.8%	6.4%
Mathematics and Computer Sciences	-31.2%	-5.2%	3.4%	22.4%	15.9%	18.0%
Physical and Earth Sciences	-10.0%	-1.8%	-0.7%	11.8%	2.0%	-0.8%
Public Administration and Services	7.5%	0.9%	1.3%	4.0%	3.6%	2.4%
Social and Behavioral Sciences	-1.6%	0.3%	-0.6%	19.8%	8.6%	3.6%
Other Fields	-4.3%	0.5%	-0.3%	-0.5%	2.7%	-0.2%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.9: First-Time Graduate Enrollment by Broad Field and Citizenship, 2010 to 2020**

Broad Field	U.S. Citizens and Permanent Residents			Temporary Residents		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>12.9%</b>	<b>4.9%</b>	<b>2.7%</b>	<b>-37.4%</b>	<b>-7.7%</b>	<b>-0.8%</b>
Arts and Humanities	-0.3%	-1.3%	-1.9%	-29.4%	-5.2%	-0.5%
Biological and Agricultural Sciences	18.4%	6.2%	3.7%	-27.4%	-4.3%	-1.3%
Business	29.2%	10.0%	6.1%	-31.0%	-5.9%	-1.3%
Education	9.4%	2.1%	-0.1%	-24.0%	-4.0%	-0.2%
Engineering	14.6%	6.3%	2.7%	-47.9%	-11.7%	-2.8%
Health Sciences	10.1%	4.0%	5.7%	-19.4%	-3.7%	0.4%
Mathematics and Computer Sciences	20.1%	15.2%	11.2%	-46.4%	-9.4%	3.3%
Physical and Earth Sciences	7.0%	1.8%	1.0%	-42.0%	-8.7%	-3.9%
Public Administration and Services	8.3%	2.1%	2.0%	-31.1%	-7.2%	-3.2%
Social and Behavioral Sciences	10.5%	3.2%	0.5%	-29.1%	-3.3%	-0.2%
Other Fields	6.4%	3.2%	-0.1%	-36.7%	-6.2%	0.1%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.10: First-Time Graduate Enrollment by Broad Field and Race/Ethnicity, 2010 to 2020  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	% Change, '19 – '20	Avg. Annual % Change, '15 – '20	Avg. Annual % Change, '10 – '20	% Change, '19 – '20	Avg. Annual % Change, '15 – '20	Avg. Annual % Change, '10 – '20	% Change, '19 – '20	Avg. Annual % Change, '15 – '20	Avg. Annual % Change, '10 – '20				
<b>American Indian/Alaska Native</b>													
<b>Total</b>	<b>8.8%</b>	<b>2.9%</b>	<b>0.8%</b>	<b>Asian/Pacific Islander *</b>									
Arts & Humanities	-28.4%	-4.2%	-3.4%	<b>5.1%</b>	<b>9.7%</b>	<b>6.3%</b>	<b>17.1%</b>	<b>9.9%</b>	<b>6.7%</b>				
Bio. & Agric. Sci.	18.9%	6.0%	3.6%	-1.7%	1.3%	-0.2%	-3.6%	1.8%	0.1%				
Business	8.7%	8.6%	1.3%	5.9%	8.6%	5.5%	18.6%	8.5%	5.8%				
Education	15.2%	6.9%	0.4%	5.1%	15.1%	7.6%	34.2%	15.1%	7.9%				
Engineering	20.3%	5.7%	9.1%	-3.4%	4.2%	1.3%	12.3%	4.5%	1.9%				
Health Sciences	16.0%	2.5%	2.1%	10.1%	8.0%	3.4%	13.3%	8.0%	3.7%				
Math & Comp. Sci.	81.8%	4.5%	9.4%	2.1%	6.4%	9.7%	13.5%	5.9%	9.8%				
Physical & Earth Sci.	-4.0%	-0.8%	-4.1%	16.2%	30.9%	28.9%	28.3%	31.4%	29.5%				
Public Admin. & Svcs.	-8.2%	-2.7%	-0.1%	-4.4%	5.6%	3.8%	20.6%	5.6%	4.0%				
Social & Behav. Sci.	-2.9%	-3.1%	-2.3%	9.0%	4.3%	2.2%	4.2%	4.3%	2.3%				
Other Fields	23.4%	7.8%	2.0%	2.3%	7.3%	2.5%	14.4%	7.3%	2.8%				
<b>Native Hawaiians/ Other Pacific Islanders</b>													
<b>Total</b>	<b>1.7%</b>	<b>1.3%</b>	<b>-2.0%</b>	<b>Black/African American</b>			<b>Hispanic/Latino</b>						
Arts & Humanities	-28.0%	-9.7%	-5.9%	<b>16.0%</b>	<b>6.1%</b>	<b>5.4%</b>	<b>20.4%</b>	<b>12.9%</b>	<b>9.2%</b>				
Bio. & Agric. Sci.	43.7%	15.4%	-3.8%	3.1%	3.3%	3.5%	6.0%	4.6%	3.1%				
Business	35.1%	17.9%	-2.2%	35.1%	15.0%	10.3%	31.6%	16.0%	15.2%				
Education	-11.2%	-0.9%	-4.4%	33.0%	10.4%	10.9%	37.6%	19.3%	11.1%				
Engineering	11.5%	6.0%	-6.2%	23.9%	4.7%	2.9%	10.1%	7.5%	2.8%				
Health Sciences	19.1%	2.8%	1.2%	21.1%	8.0%	3.4%	24.5%	15.3%	9.7%				
Math & Comp. Sci.	11.8%	-1.1%	0.6%	19.6%	7.5%	9.3%	26.4%	17.7%	21.4%				
Physical & Earth Sci.	25.0%	5.7%	-3.1%	30.8%	12.5%	13.4%	28.6%	22.7%	14.0%				
Public Admin. & Svcs.	27.0%	4.1%	0.9%	5.9%	10.8%	2.7%	18.9%	10.2%	17.1%				
Social & Behav. Sci.	50.0%	4.4%	-3.5%	7.8%	0.9%	3.2%	15.0%	6.6%	8.9%				
Other Fields	-29.5%	-4.2%	-2.3%	10.7%	2.4%	2.2%	18.2%	9.7%	3.9%				
<b>White</b>													
<b>Total</b>	<b>10.1%</b>	<b>2.9%</b>	<b>1.1%</b>	<p>* Includes Asians and Native Hawaiians/Other Pacific Islanders  Notes: See Appendix D for the survey taxonomy.  See Appendix A for a description of each race/ethnicity category.  Group sizes for each annual change analysis (1, 5, and 10-year) were determined based on only those institutions that submitted data at both current and reference years.  N/A=Not available. Ten-year trend data are unavailable for Asian and Native Hawaiians/Other Pacific Islanders.  Source: CGS/GRE Survey of Graduate Enrollment and Degrees</p>									
Arts & Humanities	-1.3%	-2.6%	-2.8%										
Bio. & Agric. Sci.	14.3%	3.7%	1.9%										
Business	26.1%	7.8%	4.6%										
Education	6.3%	0.6%	-1.1%										
Engineering	12.4%	4.5%	1.6%										
Health Sciences	5.2%	1.6%	3.5%										
Math & Comp. Sci.	13.6%	10.2%	7.0%										
Physical & Earth Sci.	4.0%	0.2%	-0.2%										
Public Admin. & Svcs.	7.1%	1.3%	0.7%										
Social & Behav. Sci.	8.2%	1.8%	-0.5%										
Other Fields	10.2%	1.7%	-1.3%										

**Table C.11: First-Time Graduate Enrollment by Broad Field and Gender, 2010 to 2020**

Broad Field	Men			Women		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>-2.1%</b>	<b>-0.3%</b>	<b>0.9%</b>	<b>4.6%</b>	<b>3.3%</b>	<b>2.5%</b>
Arts and Humanities	-8.0%	-3.2%	-2.4%	-3.8%	-1.2%	-1.8%
Biological and Agricultural Sciences	4.5%	0.4%	0.4%	12.2%	7.2%	4.0%
Business	16.2%	5.0%	3.1%	15.7%	7.6%	5.6%
Education	5.0%	-0.1%	-1.1%	8.5%	2.1%	-0.1%
Engineering	-16.3%	-4.8%	-0.6%	-14.6%	-1.1%	2.3%
Health Sciences	9.0%	1.2%	4.9%	7.7%	4.1%	5.2%
Mathematics and Computer Sciences	-15.8%	-1.0%	6.0%	-18.2%	0.2%	9.0%
Physical and Earth Sciences	-12.9%	-3.3%	-1.6%	-0.2%	1.4%	0.9%
Public Administration and Services	9.1%	0.2%	0.9%	5.8%	2.0%	1.8%
Social and Behavioral Sciences	0.9%	0.0%	-1.2%	4.4%	3.2%	1.1%
Other Fields	-7.0%	-0.9%	-1.0%	-0.6%	2.6%	0.2%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.12: Doctorate-Level First-Time Graduate Enrollment by Broad Field and Gender, 2010 to 2020**

Broad Field	Total			Men			Women		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>-3.8%</b>	<b>1.3%</b>	<b>1.5%</b>	<b>-9.7%</b>	<b>-1.3%</b>	<b>-0.1%</b>	<b>1.2%</b>	<b>3.7%</b>	<b>3.0%</b>
Arts and Humanities	-9.0%	-2.4%	-1.6%	-13.4%	-4.1%	-2.1%	-5.0%	-0.7%	-1.1%
Biological and Agricultural Sciences	-1.2%	1.6%	0.7%	-4.7%	-1.1%	-0.9%	1.3%	4.0%	2.1%
Business	6.4%	-1.6%	-0.6%	8.3%	-2.2%	-0.9%	4.1%	-0.7%	-0.3%
Education	11.8%	2.6%	0.9%	6.4%	-0.6%	0.0%	14.2%	4.2%	1.3%
Engineering	-13.1%	-0.8%	0.4%	-14.1%	-2.2%	-0.4%	-10.8%	3.3%	2.8%
Health Sciences	8.3%	2.9%	6.7%	4.9%	-1.4%	5.0%	9.4%	4.6%	7.2%
Mathematics and Computer Sciences	-15.3%	1.7%	1.6%	-17.4%	0.2%	0.6%	-10.0%	6.1%	4.5%
Physical and Earth Sciences	-13.4%	-2.2%	-0.6%	-16.6%	-3.3%	-1.4%	-8.0%	-0.2%	0.9%
Public Administration and Services	6.0%	-5.2%	-2.3%	16.5%	-5.0%	-2.1%	0.9%	-5.3%	-2.4%
Social and Behavioral Sciences	-5.0%	-1.6%	-1.4%	-7.7%	-3.9%	-2.9%	-3.3%	0.2%	-0.2%
Other Fields	8.4%	1.3%	0.6%	-0.2%	-2.4%	-0.9%	15.1%	4.6%	1.9%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.13: Master's-Level First-Time Graduate Enrollment by Broad Field and Gender, 2010 to 2020**

Broad Field	Total			Men			Women		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>2.8%</b>	<b>1.8%</b>	<b>1.9%</b>	<b>-0.7%</b>	<b>-0.1%</b>	<b>1.2%</b>	<b>5.2%</b>	<b>3.2%</b>	<b>2.4%</b>
Arts and Humanities	-4.5%	-2.0%	-2.2%	-6.2%	-2.9%	-2.5%	-3.5%	-1.4%	-2.0%
Biological and Agricultural Sciences	15.1%	5.7%	3.6%	10.4%	1.4%	1.4%	18.1%	9.0%	5.3%
Business	16.1%	6.3%	4.3%	16.3%	5.1%	3.2%	16.0%	7.8%	5.9%
Education	7.1%	1.4%	-0.5%	4.7%	-0.1%	-1.3%	7.7%	1.8%	-0.3%
Engineering	-16.8%	-4.8%	-0.1%	-17.1%	-5.6%	-0.8%	-15.9%	-2.4%	2.1%
Health Sciences	7.9%	3.7%	4.9%	10.5%	2.2%	4.8%	7.3%	4.1%	4.9%
Mathematics and Computer Sciences	-16.8%	-1.0%	8.4%	-15.4%	-1.2%	7.7%	-19.3%	-0.5%	9.9%
Physical and Earth Sciences	1.9%	-0.3%	-0.8%	-5.5%	-3.2%	-2.1%	10.1%	3.5%	0.9%
Public Administration and Services	6.5%	1.9%	1.9%	8.6%	0.6%	1.1%	6.0%	2.3%	2.1%
Social and Behavioral Sciences	5.8%	3.2%	0.7%	3.9%	1.7%	-0.6%	6.7%	4.2%	1.4%
Other Fields	-4.0%	1.2%	-0.3%	-7.7%	-0.8%	-1.1%	-1.8%	2.5%	0.1%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees



**Table C.14: Total Graduate Enrollment by Institution Type and Carnegie Classification, 2010 to 2020**

Carnegie Classification and Institution Type *	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>2.5%</b>	<b>1.2%</b>	<b>0.5%</b>
<i>Public</i>	3.3%	1.7%	1.0%
<i>Private, not-for-profit</i>	1.0%	1.2%	0.7%
<i>Private, for-profit</i>	S	S	S
Doctoral: Very High Research	2.1%	2.3%	1.7%
<i>Public</i>	2.7%	2.1%	1.5%
<i>Private, not-for-profit</i>	0.3%	2.9%	2.3%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral: High Research	2.7%	0.0%	-0.2%
<i>Public</i>	2.7%	0.4%	0.1%
<i>Private, not-for-profit</i>	2.7%	-0.9%	-1.0%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral/Professional Universities	4.7%	1.1%	1.3%
<i>Public</i>	8.0%	3.2%	2.2%
<i>Private, not-for-profit</i>	2.6%	0.8%	0.8%
<i>Private, for-profit</i>	S	S	S
Master's Colleges and Universities	3.5%	0.7%	-0.3%
<i>Public</i>	5.5%	1.3%	0.0%
<i>Private, not-for-profit</i>	-1.8%	-0.8%	-0.9%
<i>Private, for-profit</i>	N/A	N/A	N/A
Other	-2.1%	-4.6%	-5.5%
<i>Public</i>	0.7%	2.3%	1.6%
<i>Private, not-for-profit</i>	4.1%	3.4%	-0.2%
<i>Private, for-profit</i>	N/A	N/A	N/A

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

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

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

Not all respondents provided applications data by level.

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.15: Total Graduate Enrollment by Citizenship and Race/Ethnicity, 2010 to 2020**

Citizenship and Race/Ethnicity	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>2.5%</b>	<b>1.2%</b>	<b>0.5%</b>
U.S. Citizens and Permanent Residents	6.1%	2.4%	0.6%
<i>American Indian/Alaska Native</i>	2.3%	-0.2%	-2.2%
<i>Asian/Pacific Islander *</i>	9.6%	6.2%	3.9%
<i>Asian</i>	9.8%	6.3%	4.3%
<i>Native Hawaiians/Other Pacific Islanders</i>	2.3%	0.3%	-2.7%
<i>Black/African American</i>	8.1%	3.0%	1.4%
<i>Hispanic/Latino</i>	11.3%	8.4%	6.6%
<i>White</i>	4.2%	1.0%	-0.5%
Temporary Residents	-9.7%	-2.0%	1.8%
Other/Unknown **	1.4%	-1.5%	-2.6%

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

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.16: Total Graduate Enrollment by Citizenship, Race/Ethnicity, and Gender, 2010 to 2020**

Citizenship and Race/Ethnicity	% Change, 2019 to 2020	Men		Women		
		Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>0.5%</b>	<b>-0.1%</b>	<b>0.2%</b>	<b>4.0%</b>	<b>2.2%</b>	<b>0.7%</b>
U.S. Citizens and Permanent Residents	4.9%	1.3%	0.2%	6.9%	3.1%	0.8%
<i>American Indian/Alaska Native</i>	-1.2%	-1.7%	-3.0%	4.2%	0.6%	-1.8%
<i>Asian/Pacific Islander *</i>	9.1%	5.6%	3.5%	9.8%	6.6%	4.3%
<i>Asian</i>	9.2%	5.8%	3.8%	10.0%	6.7%	4.7%
<i>Native Hawaiians/Other Pacific Islanders</i>	3.1%	-0.7%	-3.0%	1.8%	1.0%	-2.5%
<i>Black/African American</i>	7.1%	2.6%	1.8%	8.5%	3.2%	1.2%
<i>Hispanic/Latino</i>	10.7%	7.0%	6.2%	11.6%	9.2%	6.9%
<i>White</i>	2.8%	-0.2%	-0.9%	5.2%	1.8%	-0.3%
Temporary Residents	-10.4%	-2.7%	1.5%	-8.7%	-1.0%	2.2%
Other/Unknown **	1.1%	-2.6%	-3.1%	1.4%	-0.8%	-2.3%

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

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.17: Total Graduate Enrollment by Broad Field, 2010 to 2020**

Broad Field	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>2.5%</b>	<b>1.2%</b>	<b>0.5%</b>
Arts and Humanities	-2.2%	-1.9%	-2.1%
Biological and Agricultural Sciences	4.8%	2.5%	1.5%
Business	8.1%	4.3%	2.2%
Education	3.1%	0.2%	-1.9%
Engineering	-3.0%	-0.7%	1.1%
Health Sciences	5.0%	3.4%	5.2%
Mathematics and Computer Sciences	1.9%	4.5%	8.6%
Physical and Earth Sciences	0.2%	0.1%	0.3%
Public Administration and Services	4.1%	1.6%	1.8%
Social and Behavioral Sciences	1.7%	0.3%	-0.4%
Other Fields	1.9%	2.3%	-0.3%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.18: Total Graduate Enrollment by Broad Field and Attendance Status, 2010 to 2020**

Broad Field	% Change, 2019 to 2020	Full-Time		Part-Time		
		Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>6.0%</b>	<b>3.2%</b>	<b>1.1%</b>
Arts and Humanities	-3.3%	-2.2%	-1.9%	0.7%	-1.4%	-2.6%
Biological and Agricultural Sciences	3.4%	1.8%	1.3%	10.2%	4.9%	2.2%
Business	4.9%	2.4%	1.5%	11.6%	6.6%	3.2%
Education	5.5%	-0.9%	-2.8%	1.8%	0.8%	-1.2%
Engineering	-7.7%	-2.1%	0.9%	8.7%	3.2%	1.5%
Health Sciences	3.3%	2.1%	4.3%	7.7%	5.3%	6.3%
Mathematics and Computer Sciences	-6.1%	0.3%	5.9%	14.3%	13.0%	13.8%
Physical and Earth Sciences	-0.9%	-0.1%	0.6%	6.5%	1.3%	-0.9%
Public Administration and Services	3.2%	0.9%	1.4%	5.7%	3.0%	2.4%
Social and Behavioral Sciences	0.1%	-0.3%	-0.7%	5.4%	1.7%	-0.1%
Other Fields	0.1%	1.2%	-0.3%	4.0%	3.7%	-0.3%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.19: Total Graduate Enrollment by Broad Field and Citizenship, 2010 to 2020**

Broad Field	U.S. Citizens and Permanent Residents			Temporary Residents		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>6.1%</b>	<b>2.4%</b>	<b>0.6%</b>	<b>-9.7%</b>	<b>-2.0%</b>	<b>1.8%</b>
Arts and Humanities	-0.9%	-2.2%	-2.3%	-6.7%	-0.4%	1.1%
Biological and Agricultural Sciences	7.2%	3.3%	2.1%	-2.7%	-0.3%	0.1%
Business	13.4%	6.2%	3.1%	-13.1%	-2.9%	0.1%
Education	3.7%	0.4%	-1.7%	-7.2%	-1.8%	-0.4%
Engineering	6.5%	3.5%	1.6%	-13.5%	-4.6%	1.1%
Health Sciences	6.5%	3.6%	5.4%	-5.6%	-0.9%	1.1%
Mathematics and Computer Sciences	13.4%	10.9%	8.7%	-8.9%	-0.5%	9.4%
Physical and Earth Sciences	3.2%	0.6%	0.7%	-6.2%	-0.9%	0.3%
Public Administration and Services	4.9%	2.0%	2.0%	-9.4%	-4.4%	-1.3%
Social and Behavioral Sciences	4.0%	0.4%	-0.6%	-6.4%	0.9%	1.2%
Other Fields	4.9%	2.8%	-0.6%	-10.5%	-0.4%	3.2%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.20: Total Graduate Enrollment by Broad Field and Race/Ethnicity, 2010 to 2020  
(U.S. Citizens and Permanent Residents Only)**

Broad Field	% Change, '19 – '20	Avg. Annual % Change, '15 – '20	Avg. Annual % Change, '10 – '20	% Change, '19 – '20	Avg. Annual % Change, '15 – '20	Avg. Annual % Change, '10 – '20	% Change, '19 – '20	Avg. Annual % Change, '15 – '20	Avg. Annual % Change, '10 – '20
<b>American Indian/Alaska Native</b>									
<b>Total</b>	<b>2.3%</b>	<b>-0.2%</b>	<b>-2.2%</b>	<b>9.6%</b>	<b>6.2%</b>	<b>3.9%</b>	<b>9.8%</b>	<b>6.3%</b>	<b>4.3%</b>
Arts & Humanities	-5.8%	-3.7%	-4.3%	0.0%	0.6%	-0.4%	0.1%	0.9%	-0.2%
Bio. & Agric. Sci.	4.0%	2.6%	-0.7%	12.0%	6.1%	4.4%	11.7%	6.1%	4.7%
Business	5.2%	3.3%	-0.8%	16.9%	10.7%	4.3%	17.0%	10.6%	4.4%
Education	9.4%	-0.1%	-2.6%	1.9%	1.6%	0.4%	2.0%	1.4%	0.6%
Engineering	6.9%	1.9%	-1.1%	7.6%	4.7%	2.2%	7.4%	4.8%	2.5%
Health Sciences	2.4%	-0.9%	-0.8%	10.6%	6.3%	9.3%	11.0%	6.0%	9.5%
Math & Comp. Sci.	14.0%	5.2%	0.9%	19.2%	24.3%	21.7%	19.4%	24.5%	22.5%
Physical & Earth Sci.	-10.6%	-4.7%	-4.0%	8.4%	3.5%	3.7%	7.4%	3.4%	3.9%
Public Admin. & Svcs.	-2.0%	-2.8%	-1.7%	4.1%	3.2%	1.3%	3.7%	3.4%	1.5%
Social & Behav. Sci.	-4.6%	-2.4%	-3.1%	8.4%	2.0%	0.8%	8.5%	2.1%	1.1%
Other Fields	0.0%	0.0%	-3.6%	0.0%	0.0%	0.3%	4.1%	3.9%	1.1%
<b>Asian/Pacific Islander *</b>									
<b>Asian</b>									
<b>Native Hawaiians/ Other Pacific Islanders</b>									
<b>Total</b>	<b>2.3%</b>	<b>0.3%</b>	<b>-2.7%</b>	<b>8.1%</b>	<b>3.0%</b>	<b>1.4%</b>	<b>11.3%</b>	<b>8.4%</b>	<b>6.6%</b>
Arts & Humanities	-3.7%	-6.1%	-3.9%	5.4%	2.2%	0.4%	2.4%	2.3%	2.6%
Bio. & Agric. Sci.	29.7%	9.1%	-3.7%	14.9%	7.1%	4.8%	15.4%	12.5%	11.8%
Business	11.7%	11.3%	-0.6%	16.3%	5.0%	4.7%	18.6%	13.2%	10.3%
Education	0.8%	4.3%	-2.1%	11.9%	1.8%	-0.4%	6.2%	4.6%	2.6%
Engineering	21.8%	-0.4%	-6.3%	12.0%	4.0%	2.2%	14.5%	9.9%	8.3%
Health Sciences	5.4%	6.2%	3.0%	11.3%	7.1%	9.9%	17.2%	14.2%	18.1%
Math & Comp. Sci.	-8.0%	2.8%	-3.6%	17.3%	9.4%	10.7%	20.5%	17.6%	16.3%
Physical & Earth Sci.	80.0%	5.9%	-2.4%	5.3%	4.7%	0.3%	12.8%	10.6%	12.3%
Public Admin. & Svcs.	12.8%	-0.7%	-1.3%	2.6%	2.1%	4.1%	11.9%	6.8%	9.1%
Social & Behav. Sci.	3.7%	-0.5%	-4.7%	4.0%	1.5%	0.4%	9.3%	5.6%	4.5%
Other Fields	7.3%	2.4%	0.2%	0.0%	0.0%	0.4%	11.7%	13.5%	8.1%
<b>Black/African American</b>									
<b>Hispanic/Latino</b>									
<b>White</b>									
<b>Total</b>	<b>4.2%</b>	<b>1.0%</b>	<b>-0.5%</b>						
Arts & Humanities	-2.0%	-3.2%	-3.0%						
Bio. & Agric. Sci.	4.6%	1.6%	0.8%						
Business	11.3%	4.8%	1.9%						
Education	1.6%	-0.7%	-2.6%						
Engineering	4.4%	2.3%	0.7%						
Health Sciences	3.5%	1.6%	3.3%						
Math & Comp. Sci.	9.5%	7.1%	5.3%						
Physical & Earth Sci.	1.3%	-0.7%	-0.2%						
Public Admin. & Svcs.	3.9%	1.0%	0.4%						
Social & Behav. Sci.	2.5%	-0.9%	-1.5%						
Other Fields	4.7%	1.1%	-1.8%						

\* Includes Asians and Native Hawaiians/Other Pacific Islanders

Notes: See Appendix D for the survey taxonomy.

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

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.21: Total Graduate Enrollment by Broad Field and Gender, 2009 to 2020**

Broad Field	Men			Women		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>0.5%</b>	<b>-0.1%</b>	<b>0.2%</b>	<b>4.0%</b>	<b>2.2%</b>	<b>0.7%</b>
Arts and Humanities	-3.8%	-2.4%	-2.2%	-1.0%	-1.6%	-2.0%
Biological and Agricultural Sciences	1.4%	0.1%	0.3%	7.4%	4.5%	2.5%
Business	7.2%	3.1%	1.4%	9.2%	5.8%	3.4%
Education	0.7%	-1.3%	-2.3%	3.8%	0.7%	-1.7%
Engineering	-3.7%	-1.6%	0.4%	-1.0%	2.3%	3.7%
Health Sciences	3.9%	1.3%	5.0%	5.3%	4.0%	5.2%
Mathematics and Computer Sciences	1.8%	3.9%	7.7%	2.1%	6.0%	10.8%
Physical and Earth Sciences	-1.8%	-1.0%	-0.1%	3.5%	2.1%	1.1%
Public Administration and Services	3.5%	-0.7%	0.0%	4.2%	2.3%	2.3%
Social and Behavioral Sciences	-1.0%	-1.3%	-1.4%	3.4%	1.4%	0.2%
Other Fields	-0.5%	0.6%	-0.7%	3.4%	3.4%	0.0%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.22: Doctorate-Level Total Graduate Enrollment by Broad Field and Gender, 2010 to 2020**

Broad Field	Total			Men			Women		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>1.2%</b>	<b>0.9%</b>	<b>1.0%</b>	<b>-1.0%</b>	<b>-0.4%</b>	<b>0.4%</b>	<b>3.2%</b>	<b>2.1%</b>	<b>1.5%</b>
Arts and Humanities	-1.7%	-1.9%	-1.7%	-3.0%	-2.3%	-1.8%	-0.6%	-1.6%	-1.6%
Biological and Agricultural Sciences	2.0%	1.6%	1.1%	-0.3%	-0.1%	0.4%	4.1%	3.3%	1.8%
Business	5.5%	-0.3%	1.0%	2.8%	-1.5%	0.3%	9.0%	1.2%	2.0%
Education	2.9%	0.3%	-0.9%	-0.9%	-1.2%	-1.4%	4.7%	1.0%	-0.6%
Engineering	0.3%	2.3%	2.5%	-0.7%	1.2%	1.8%	2.9%	5.6%	4.8%
Health Sciences	6.3%	3.3%	6.8%	4.9%	0.3%	5.4%	6.8%	4.6%	7.2%
Mathematics and Computer Sciences	2.3%	3.7%	3.0%	1.4%	2.8%	2.3%	4.7%	6.1%	5.0%
Physical and Earth Sciences	0.1%	0.6%	1.1%	-1.5%	-0.4%	0.6%	2.9%	2.5%	2.0%
Public Administration and Services	4.4%	-2.1%	1.0%	3.2%	-4.6%	-0.6%	5.0%	-0.6%	1.8%
Social and Behavioral Sciences	-0.2%	-0.6%	-0.7%	-2.8%	-2.4%	-1.5%	1.5%	0.7%	-0.1%
Other Fields	3.9%	-0.5%	-0.3%	-0.4%	-2.2%	-1.3%	7.5%	1.1%	0.6%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.23: Master's-Level Total Graduate Enrollment by Broad Field and Gender, 2010 to 2020 \***

Broad Field	Total			Men			Women		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>3.1%</b>	<b>1.3%</b>	<b>0.4%</b>	<b>1.2%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>4.3%</b>	<b>2.2%</b>	<b>0.5%</b>
Arts and Humanities	-2.6%	-2.0%	-2.4%	-4.6%	-2.5%	-2.6%	-1.2%	-1.6%	-2.3%
Biological and Agricultural Sciences	8.7%	3.6%	2.0%	4.2%	0.4%	0.3%	11.6%	6.1%	3.5%
Business	8.2%	4.6%	2.3%	7.4%	3.4%	1.5%	9.2%	6.1%	3.6%
Education	3.1%	0.2%	-2.1%	1.4%	-1.3%	-2.6%	3.6%	0.6%	-1.9%
Engineering	-5.5%	-2.7%	0.1%	-6.1%	-3.5%	-0.6%	-4.1%	0.1%	2.8%
Health Sciences	4.5%	3.5%	4.7%	3.4%	2.0%	4.7%	4.8%	3.9%	4.7%
Mathematics and Computer Sciences	1.8%	4.8%	11.7%	1.9%	4.2%	11.0%	1.5%	5.9%	13.3%
Physical and Earth Sciences	0.6%	-1.4%	-1.7%	-3.0%	-3.2%	-2.4%	4.9%	1.0%	-0.9%
Public Administration and Services	4.0%	2.1%	1.9%	3.5%	0.0%	0.1%	4.2%	2.7%	2.5%
Social and Behavioral Sciences	3.1%	1.1%	-0.4%	0.4%	-0.3%	-1.3%	4.7%	1.9%	0.2%
Other Fields	1.6%	2.9%	-0.3%	-0.6%	1.3%	-0.6%	2.8%	3.8%	-0.1%

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

Notes: See Appendix D for the survey taxonomy.

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

Source: CBS/GRE Survey of Graduate Enrollment and Degrees



**Table C.24: Graduate Degrees and Certificates Awarded by Degree Level and Institution Type, 2009-10 to 2019-20**

Degree Level and Institution Type	% Change, '18-19 to '19-20	Average Annual % Change, '14-15 to '19-20	Average Annual % Change, '09-10 to '19-20
<b>Doctoral Degrees</b>	<b>-0.7%</b>	<b>1.1%</b>	<b>2.9%</b>
<i>Public</i>	-2.0%	0.5%	2.7%
<i>Private, not-for-profit</i>	2.4%	1.9%	2.8%
<i>Private, for-profit</i>	\$	\$	\$
<b>Master's Degrees</b>	<b>0.2%</b>	<b>1.8%</b>	<b>1.4%</b>
<i>Public</i>	1.1%	2.3%	2.1%
<i>Private, not-for-profit</i>	-1.1%	2.1%	2.1%
<i>Private, for-profit</i>	\$	\$	\$
<b>Graduate-Level Certificates</b>	<b>20.7%</b>	<b>10.0%</b>	<b>9.5%</b>
<i>Public</i>	27.5%	13.6%	16.5%
<i>Private, not-for-profit</i>	5.3%	3.7%	1.1%
<i>Private, for-profit</i>	\$	\$	\$

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.25: Graduate Degrees and Certificates Awarded by Degree Level and Carnegie Classification, 2009-10 to 2019-20**

Degree Level and Carnegie Classification *	% Change, '18-19 to '19-20	Average Annual % Change, '14-15 to '19-20	Average Annual % Change, '09-10 to '19-20
<b>Doctoral Degrees</b>	<b>-0.7%</b>	<b>1.1%</b>	<b>2.9%</b>
<i>Doctoral: Very High Research</i>	-2.2%	0.3%	1.6%
<i>Doctoral: High Research</i>	-2.3%	1.3%	5.0%
<i>Doctoral/Professional Universities</i>	4.6%	6.3%	11.7%
<i>Master's Colleges and Universities</i>	27.3%	13.9%	23.4%
<i>Other</i>	-3.3%	-5.7%	0.5%
<b>Master's Degrees</b>	<b>0.2%</b>	<b>1.8%</b>	<b>1.4%</b>
<i>Doctoral: Very High Research</i>	0.9%	3.4%	3.4%
<i>Doctoral: High Research</i>	-0.5%	0.8%	1.1%
<i>Doctoral/Professional Universities</i>	-0.9%	2.0%	1.6%
<i>Master's Colleges and Universities</i>	0.5%	0.6%	0.3%
<i>Other</i>	-5.9%	-7.6%	-6.5%
<b>Graduate-Level Certificates</b>	<b>20.7%</b>	<b>10.0%</b>	<b>9.5%</b>
<i>Doctoral: Very High Research</i>	28.2%	22.9%	19.9%
<i>Doctoral: High Research</i>	16.6%	7.3%	2.9%
<i>Doctoral/Professional Universities</i>	3.7%	-2.1%	15.8%
<i>Master's Colleges and Universities</i>	15.4%	1.7%	2.8%
<i>Other</i>	17.6%	3.3%	-1.2%

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

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

Source: CBS/GRE Survey of Graduate Enrollment and Degrees

**Table C.26: Graduate Degrees and Certificates Awarded by Degree Level, Institution Type, and Gender, 2009-10 to 2019-20**

Degree Level and Institution Type	Men			Women		
	% Change, '18-19 to '19-20	Average Annual % Change, '14-15 to '19-20	Average Annual % Change, '09-10 to '19-20	% Change, '18-19 to '19-20	Average Annual % Change, '14-15 to '19-20	Average Annual % Change, '09-10 to '19-20
<b>Doctoral Degrees</b>	<b>-1.7%</b>	<b>2.2%</b>	<b>2.6%</b>	<b>0.2%</b>	<b>1.7%</b>	<b>3.2%</b>
<i>Public</i>	-3.0%	-0.3%	2.4%	-1.0%	1.3%	3.0%
<i>Private, not-for-profit</i>	1.3%	1.4%	2.7%	3.4%	1.8%	3.0%
<i>Private, for-profit</i>	S	S	S	S	S	S
<b>Master's Degrees</b>	<b>-1.9%</b>	<b>0.8%</b>	<b>1.4%</b>	<b>1.7%</b>	<b>2.4%</b>	<b>1.4%</b>
<i>Public</i>	-1.0%	1.1%	2.2%	2.7%	3.0%	2.1%
<i>Private, not-for-profit</i>	-3.2%	1.2%	1.6%	0.4%	2.8%	2.5%
<i>Private, for-profit</i>	S	S	S	S	S	S
<b>Graduate-Level Certificates</b>	<b>18.7%</b>	<b>14.6%</b>	<b>12.7%</b>	<b>22.9%</b>	<b>9.4%</b>	<b>7.9%</b>
<i>Public</i>	28.8%	20.5%	20.0%	28.0%	10.7%	14.4%
<i>Private, not-for-profit</i>	-6.2%	3.5%	2.4%	11.9%	7.8%	0.6%
<i>Private, for-profit</i>	S	S	S	S	S	S

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.27: Graduate Degrees and Certificates Awarded by Degree Level, Carnegie Classification, and Gender, 2009-10 to 2019-20**

Degree Level and Carnegie Classification *	Men			Women		
	% Change, '18-19 to '19-20	Average Annual % Change, '14-15 to '19-20	Average Annual % Change, '09-10 to '19-20	% Change, '18-19 to '19-20	Average Annual % Change, '14-15 to '19-20	Average Annual % Change, '09-10 to '19-20
<b>Doctoral Degrees</b>	<b>-1.7%</b>	<b>0.3%</b>	<b>2.6%</b>	<b>0.3%</b>	<b>1.7%</b>	<b>3.2%</b>
<i>Doctoral: Very High Research</i>	-3.2%	0.0%	1.5%	-1.2%	0.7%	1.7%
<i>Doctoral: High Research</i>	-4.7%	-0.5%	5.3%	-0.4%	2.5%	4.9%
<i>Doctoral/Professional Universities</i>	3.7%	3.9%	12.7%	5.0%	6.1%	11.2%
<i>Master's Colleges and Universities</i>	47.8%	18.6%	29.7%	18.2%	12.2%	20.8%
<i>Other</i>	6.1%	-5.2%	1.2%	-9.3%	-6.0%	0.1%
<b>Master's Degrees</b>	<b>-1.9%</b>	<b>0.8%</b>	<b>1.4%</b>	<b>1.7%</b>	<b>2.4%</b>	<b>1.4%</b>
<i>Doctoral: Very High Research</i>	-0.5%	2.4%	3.0%	2.1%	4.4%	3.6%
<i>Doctoral: High Research</i>	-5.2%	-1.0%	0.7%	2.3%	1.5%	1.2%
<i>Doctoral/Professional Universities</i>	-1.1%	0.6%	1.1%	-0.8%	2.6%	1.9%
<i>Master's Colleges and Universities</i>	-3.9%	-0.9%	0.1%	3.1%	1.4%	0.5%
<i>Other</i>	-6.8%	-8.3%	-6.6%	-5.5%	-7.1%	-6.4%
<b>Graduate-Level Certificates</b>	<b>18.7%</b>	<b>14.6%</b>	<b>12.7%</b>	<b>22.9%</b>	<b>9.4%</b>	<b>7.9%</b>
<i>Doctoral: Very High Research</i>	31.0%	29.6%	24.3%	26.1%	18.6%	17.0%
<i>Doctoral: High Research</i>	2.2%	11.7%	6.7%	27.9%	6.4%	1.2%
<i>Doctoral/Professional Universities</i>	-2.0%	-3.6%	12.2%	5.7%	3.9%	17.2%
<i>Master's Colleges and Universities</i>	5.6%	0.0%	1.8%	22.9%	2.7%	3.2%
<i>Other</i>	10.0%	3.9%	-2.2%	21.5%	3.1%	-0.6%

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

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

**Table C.28: Graduate-Level Certificates Awarded by Broad Field and Gender, 2009-10 to 2019-20**

Broad Field	Total			Men			Women		
	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020	% Change, 2019 to 2020	Average Annual % Change, 2015 to 2020	Average Annual % Change, 2010 to 2020
<b>Total</b>	<b>20.7%</b>	<b>10.0%</b>	<b>9.5%</b>	<b>18.7%</b>	<b>14.6%</b>	<b>12.7%</b>	<b>22.9%</b>	<b>9.4%</b>	<b>7.9%</b>
Arts and Humanities	36.2%	8.3%	6.9%	35.1%	12.6%	14.7%	40.0%	5.7%	3.7%
Biological and Agricultural Sciences	19.8%	9.1%	21.4%	-0.3%	4.1%	16.0%	34.9%	12.9%	25.7%
Business	7.3%	18.1%	22.9%	7.1%	20.0%	23.9%	7.7%	16.4%	22.1%
Education	13.9%	7.6%	3.5%	11.0%	4.5%	1.5%	16.9%	8.2%	4.1%
Engineering	57.0%	52.7%	55.5%	53.6%	42.4%	46.4%	63.8%	90.8%	89.0%
Health Sciences	9.8%	7.3%	12.5%	-3.9%	2.0%	9.4%	13.7%	8.6%	13.3%
Mathematics and Computer Sciences	0.7%	10.4%	17.6%	-0.2%	10.8%	17.4%	2.7%	9.3%	17.8%
Physical and Earth Sciences	41.3%	8.6%	18.7%	50.3%	5.8%	16.8%	31.3%	13.3%	21.4%
Public Administration and Services	4.9%	9.5%	5.0%	-24.7%	5.3%	2.7%	20.6%	10.6%	5.8%
Social and Behavioral Sciences	21.1%	12.3%	14.6%	30.6%	10.4%	18.4%	15.2%	13.1%	12.4%
Other Fields	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Notes: See Appendix D for the survey taxonomy.

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

Source: CBS/GRE Survey of Graduate Enrollment and Degrees

**Table C.29: Master's Degrees Awarded by Broad Field and Gender, 2009-10 to 2019-20**

Broad Field	Total			Men			Women		
	% Change, '18/19 - '19/20	Average Annual % Change, '14/15 - '19/20	Average Annual % Change, '09/10 - '19/20	% Change, '18/19 - '19/20	Average Annual % Change, '14/15 - '19/20	Average Annual % Change, '09/10 - '19/20	% Change, '18/19 - '19/20	Average Annual % Change, '14/15 - '19/20	Average Annual % Change, '09/10 - '19/20
<b>Total</b>	<b>0.2%</b>	<b>1.8%</b>	<b>1.4%</b>	<b>-1.9%</b>	<b>2.8%</b>	<b>1.8%</b>	<b>1.7%</b>	<b>2.4%</b>	<b>1.4%</b>
Arts and Humanities	-1.2%	-2.8%	-1.8%	-2.6%	-3.5%	-1.7%	0.3%	-2.5%	-1.8%
Biological and Agricultural Sciences	1.7%	3.2%	4.1%	-2.2%	5.3%	4.3%	4.5%	4.8%	5.2%
Business	2.5%	3.3%	2.1%	0.7%	2.2%	1.1%	5.2%	5.3%	3.5%
Education	1.6%	0.2%	-2.1%	-4.0%	-5.0%	-1.9%	3.4%	0.6%	-2.0%
Engineering	-6.3%	0.5%	3.3%	-6.7%	5.1%	3.9%	-5.1%	2.2%	5.6%
Health Sciences	0.3%	6.4%	7.7%	-3.1%	17.0%	8.7%	1.2%	6.7%	7.5%
Mathematics and Computer Sciences	10.3%	5.0%	12.8%	8.5%	22.2%	10.1%	13.7%	2.0%	16.7%
Physical and Earth Sciences	-4.9%	-2.5%	0.5%	-5.2%	1.1%	1.3%	-4.8%	-2.0%	0.5%
Public Administration and Services	0.7%	2.7%	2.8%	-3.4%	2.3%	0.7%	1.9%	3.4%	3.3%
Social and Behavioral Sciences	0.1%	0.6%	1.0%	2.4%	1.0%	0.9%	-1.1%	1.1%	1.2%
Other Fields	-2.0%	2.6%	1.4%	-5.1%	2.7%	1.4%	-0.1%	3.2%	1.4%

Notes: See Appendix D for the survey taxonomy.

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

Source: CBS/GRE Survey of Graduate Enrollment and Degrees

**Table C.30: Doctoral Degrees Awarded by Broad Field and Gender, 2009-10 to 2019-20**

Broad Field	Total			Men			Women		
	% Change, '18/19 - '19/20	Average Annual % Change, '14/15 - '19/20	Average Annual % Change, '09/10 - '19/20	% Change, '18/19 - '19/20	Average Annual % Change, '14/15 - '19/20	Average Annual % Change, '09/10 - '19/20	% Change, '18/19 - '19/20	Average Annual % Change, '14/15 - '19/20	Average Annual % Change, '09/10 - '19/20
<b>Total</b>	<b>-0.7%</b>	<b>1.1%</b>	<b>2.9%</b>	<b>-1.7%</b>	<b>0.3%</b>	<b>2.6%</b>	<b>0.3%</b>	<b>1.7%</b>	<b>3.2%</b>
Arts and Humanities	-3.2%	-1.9%	0.3%	-2.2%	-1.4%	0.8%	-4.0%	-2.3%	-0.1%
Biological and Agricultural Sciences	-0.7%	-0.1%	0.1%	-4.6%	-0.8%	0.7%	3.1%	0.4%	-0.4%
Business	-11.6%	4.6%	5.5%	-6.9%	5.0%	4.7%	-17.5%	4.6%	6.6%
Education	1.9%	-0.1%	1.0%	3.3%	0.4%	0.6%	1.1%	-0.3%	1.3%
Engineering	-0.8%	1.6%	4.4%	-0.8%	1.3%	4.1%	-0.7%	2.6%	5.6%
Health Sciences	4.3%	3.9%	8.7%	4.7%	2.0%	9.8%	4.2%	4.8%	8.4%
Mathematics and Computer Sciences	2.9%	0.6%	2.9%	4.4%	1.6%	2.9%	-1.2%	-1.9%	3.0%
Physical and Earth Sciences	-4.8%	-0.3%	1.3%	-4.5%	-0.2%	1.0%	-5.5%	-0.6%	1.9%
Public Administration and Services	-7.3%	3.8%	3.9%	14.3%	3.7%	2.3%	-15.0%	3.6%	4.9%
Social and Behavioral Sciences	-2.3%	-0.9%	0.9%	-4.0%	-1.5%	0.1%	-0.9%	-0.5%	1.5%
Other Fields	-2.2%	-3.9%	2.2%	-8.4%	-5.2%	1.9%	3.5%	-2.8%	2.4%

Notes: See Appendix D for the survey taxonomy.

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

Source: CGS/GRE Survey of Graduate Enrollment and Degrees

## APPENDIX D

# Taxonomy of Fields of Study

### ARTS AND HUMANITIES

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

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

#### Arts – Performance and Studio

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

#### English Language and Literature

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

#### Foreign Languages and Literatures

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

#### History

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

#### Philosophy

Ethics  
Logic  
Philosophy  
Philosophy, Other

#### Arts and Humanities, Other

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

### BIOLOGICAL AND AGRICULTURAL SCIENCES

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

Soil Sciences  
Wildlife and Wildlands Science  
and Management  
Agriculture, Natural Resources,  
and Conservation, Other

### **Biological and Biomedical**

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

## **BUSINESS**

### **Accounting**

Accounting  
Auditing  
Taxation

### **Banking and Finance**

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

### **Business Administration and Management**

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

### **Business, Other**

Business Statistics  
Business/Corporate  
Communications  
Business/Managerial Economics  
Insurance

International Business  
Management Information  
Systems  
Management Science  
Marketing  
Marketing Management  
Merchandising  
Real Estate  
Sales  
Business Fields, Other

## **EDUCATION**

### **Education Administration**

Educational Administration  
Educational Leadership  
Educational Supervision

### **Curriculum and Instruction**

Curriculum and Instruction

### **Early Childhood Education**

Early Childhood Education and  
Teaching  
Kindergarten/Preschool  
Education and Teaching

### **Elementary Education**

Elementary Education and  
Teaching  
Elementary-Level Teaching  
Fields

### **Educational Assessment,**

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

### **Higher Education**

Higher Education  
Higher Education  
Administration



## Secondary Education

Secondary Education and Teaching  
Secondary-Level Teaching Fields

## Special Education

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

## Student Counseling and Personnel Services

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

## Education, Other

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

## ENGINEERING

### Chemical Engineering

Chemical and Biomolecular Engineering  
Chemical Engineering

### Civil Engineering

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

### Computer, Electrical, and Electronics Engineering

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

### Industrial Engineering

Industrial Engineering  
Manufacturing Engineering  
Operations Research

### Materials Engineering

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

### Mechanical Engineering

Engineering Mechanics  
Mechanical Engineering

## Engineering, Other

Aeronautical Engineering  
Aerospace Engineering  
Agricultural Engineering  
Biochemical Engineering  
Biomedical/Medical Engineering  
Electromechanical Engineering  
Engineering Chemistry  
Engineering Physics  
Engineering Science  
Forest Engineering  
Geological/Geophysical Engineering  
Mining and Mineral Engineering  
Naval Architecture and Marine Engineering  
Nuclear Engineering  
Ocean Engineering  
Paper Science and Engineering  
Petroleum Engineering  
Systems Engineering  
Textile Sciences and Engineering  
Engineering, Other

## HEALTH AND MEDICAL SCIENCES

Allied Health  
Alternative and Complementary Medicine  
Audiology  
Bioethics/Medical Ethics  
Chiropractic (excluding D.C. and D.C.M.)  
Clinical/Medical Laboratory Science/Research  
Communication Disorders Sciences and Services  
Dentistry and Oral Sciences (excluding D.D.S. and D.M.D.)  
Dietetics and Clinical Nutrition Services  
Environmental Health  
Exercise Science  
Health and Medical Administrative Services  
Health Sciences  
Health/Medical Preparatory Programs  
Kinesiology  
Medical Sciences (excluding M.D.)

Mental and Social Health Services  
Nursing  
Nutrition Sciences  
Occupational Therapy  
Optometry (excluding O.D.)  
Osteopathic Medicine (excluding D.O.)  
Pharmaceutical Sciences (excluding Pharm.D.)  
Physical Therapy  
Physician Assistant  
Podiatry (excluding D.P.M., D.P. and Pod.D.)  
Public Health  
Rehabilitation and Therapy  
Speech-Language Pathology  
Veterinary Biomedical and Clinical Science  
Veterinary Medicine (excluding D.V.M.)  
Health and Medical Sciences, Other

## MATHEMATICS AND COMPUTER SCIENCES

### Mathematical Sciences

Actuarial Science  
Applied Mathematics  
Mathematics  
Probability  
Statistics  
Mathematical Sciences, Other

### Computer and Information Sciences

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

Information Sciences/Studies  
Microcomputer Applications  
Computer and Information Sciences, Other

## PHYSICAL AND EARTH SCIENCES

### Chemistry

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

### Earth, Atmospheric, and Marine Sciences

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

### Physics and Astronomy

Acoustics  
Astronomy  
Astrophysics  
Atomic/Molecular Physics  
Condensed Matter and Materials Physics  
Elementary Particle Physics  
Nuclear Physics

Optics/Optical Sciences  
Physics  
Planetary Astronomy and Science  
Plasma and High-Temperature Physics  
Solid State Physics  
Theoretical and Mathematical Physics  
Physics and Astronomy, Other

### Natural Sciences, Other

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

## PUBLIC ADMINISTRATION AND SERVICES

### Public Administration

Community Organization and Advocacy  
Public Administration

### Social Work

Social Work  
Youth Services/Administration  
Social Work, Other

## SOCIAL AND BEHAVIORAL SCIENCES

### Anthropology and Archaeology

Anthropology  
Archaeology

### Economics

Applied Economics  
Econometrics  
Economics  
International Economics

### Political Science

International Relations  
Political Science and  
Government  
Public Policy Analysis

### Psychology

Applied Psychology  
Clinical Psychology  
Cognitive Psychology  
Community Psychology  
Comparative Psychology  
Counseling Psychology  
Developmental and Child  
Psychology  
Experimental Psychology  
Forensic Psychology  
Industrial and Organizational  
psychology  
Personality Psychology  
Physiological Psychology  
Psycholinguistics  
Psychology, General  
Psychometrics  
Psychopharmacology  
Quantitative Psychology  
Research and Experimental  
Psychology  
Social Psychology  
Psychology, Other

### Sociology

Demography  
Rural Sociology  
Sociology

### Social Sciences, Other

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

## OTHER FIELDS

### Architecture and Environmental Design

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

### Communications and Journalism

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

### Family and Consumer Sciences

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

### Library and Archival Sciences

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

### Religion and Theology

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

### Other Fields

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



## APPENDIX E

# List of Institutions Participating in the Fall 2020 Survey

Abilene Christian University  
Air Force Institute of Technology  
Alabama State University  
Albert Einstein College of Medicine  
Albertus Magnus College  
Alcorn State University  
Alfred University  
American Public University  
Anderson University  
Andrews University  
Angelo State University  
Antioch University-New England  
Appalachian State University  
Aquinas College  
Arizona State University – Tempe  
Arkansas State University  
Arkansas Tech University  
Auburn University  
Auburn University at Montgomery  
Augusta University  
Aurora University  
Austin Peay State University  
Azusa Pacific University  
Baker University  
Ball State University  
Barry University  
Baylor College of Dentistry – Texas A&M  
University Health Science Center  
Baylor College of Medicine  
Baylor University  
Bemidji State University  
Benedictine University  
Berry College  
Bethel University  
Binghamton University  
Boise State University  
Boston College  
Boston University  
Bowie State University  
Bradley University  
Brandeis University  
Brenau University  
Bridgewater State University  
Brown University  
Bryant University  
Bryn Mawr College  
Buffalo State College  
Butler University  
Caldwell University  
California Institute of Integral Studies  
California Institute of Technology  
California Lutheran University  
California State Polytechnic University – Pomona  
California State University – Bakersfield  
California State University – Chico  
California State University – Dominguez Hills  
California State University – East Bay  
California State University – Fresno  
California State University – Fullerton  
California State University – Los Angeles  
California State University – Sacramento  
California State University – San Bernardino  
California State University – San Marcos  
California State University – Stanislaus  
California University of Pennsylvania  
Cameron University  
Carlow University

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

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

Hampton University  
 Harvard University  
 Hebrew Union College – Jewish Institute  
 of Religion  
 Henderson State University  
 Hofstra University  
 Holy Family University  
 Hood College  
 Howard University  
 Humboldt State University  
 Illinois Institute of Technology  
 Illinois State University  
 Immaculata University  
 Indiana University of Pennsylvania –  
 Main Campus  
 Indiana University – Bloomington  
 Indiana University-Purdue University –  
 Indianapolis  
 Inter American University of Puerto Rico – Metro  
 Iona College  
 Iowa State University  
 Ithaca College  
 Jackson State University  
 James Madison University  
 Jewish Theological Seminary of America  
 John Brown University  
 John Carroll University  
 Johns Hopkins University  
 Kansas State University  
 Kean University  
 Keck Graduate Institute  
 Keene State College  
 Kennesaw State University  
 Kent State University at Kent  
 Kettering University  
 Kutztown University of Pennsylvania  
 La Salle University  
 La Sierra University  
 Lamar University  
 Lehigh University  
 Lewis University  
 Lincoln Memorial University  
 Lipscomb University  
 Lock Haven University  
 Longwood University  
 Louisiana State University and Agricultural  
 & Mechanical College  
 Louisiana State University Health Sciences Center  
 – New Orleans  
 Loyola Marymount University  
 Loyola University Chicago  
 Loyola University Maryland  
 Loyola University New Orleans  
 Madonna University  
 Marquette University  
 Marshall University  
 Marymount University  
 Marywood University  
 Massachusetts Institute of Technology  
 McDaniel College  
 McNeese State University  
 Medical College of Wisconsin  
 Medical University of South Carolina  
 Meharry Medical College  
 Mercy College  
 Meredith College  
 Metropolitan State University  
 Metropolitan State University of Denver  
 Miami University – Oxford  
 Michigan State University  
 Michigan Technological University  
 MidAmerica Nazarene University  
 Middle Tennessee State University  
 Middlebury College  
 Millersville University of Pennsylvania  
 Milwaukee School of Engineering  
 Minnesota State University Moorhead  
 Misericordia University  
 Mississippi College  
 Mississippi State University  
 Missouri State University – Springfield



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



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

Syracuse University  
Tarleton State University  
Teachers College at Columbia University  
Temple University  
Tennessee State University  
Tennessee Technological University  
Texas A & M International University  
Texas A & M University – Central Texas  
Texas A & M University – College Station  
Texas A & M University – Commerce  
Texas A & M University – Corpus Christi  
Texas A & M University – Kingsville  
Texas A & M University – Texarkana  
Texas Christian University  
Texas Southern University  
Texas State University  
Texas Woman’s University  
The Catholic University of America  
The Citadel Military College of South Carolina  
The College of Saint Rose  
The New School  
The University of Alabama  
The University of Montana  
The University of Tennessee Health Science Center  
The University of Tennessee – Chattanooga  
The University of Tennessee – Knoxville  
The University of Tennessee – Martin  
The University of Texas at Arlington  
The University of Texas at Austin  
The University of Texas at Dallas  
The University of Texas at El Paso  
The University of Texas at San Antonio  
The University of Texas at Tyler  
The University of Texas Health Science Center  
at Houston  
The University of Texas Health Science Center  
at San Antonio  
The University of Texas Medical Branch  
at Galveston  
The University of Texas of the Permian Basin  
The University of Texas Rio Grande Valley

The University of West Florida  
 Thomas Edison State University  
 Towson University  
 Trevecca Nazarene University  
 Troy University  
 Truman State University  
 Tufts University  
 Tulane University of Louisiana  
 Universidad Ana G. Mendez – Gurabo Campus  
 University at Buffalo  
 University of Akron Main Campus  
 University of Alabama at Birmingham  
 University of Alabama in Huntsville  
 University of Arizona  
 University of Arkansas  
 University of Arkansas at Little Rock  
 University of Arkansas at Monticello  
 University of Arkansas for Medical Sciences  
 University of California – Berkeley  
 University of California – Davis  
 University of California – Irvine  
 University of California – Los Angeles  
 University of California – Merced  
 University of California – San Diego  
 University of California – San Francisco  
 University of California – Santa Barbara  
 University of 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 Boulder  
 University of Colorado Colorado Springs  
 University of Colorado Denver/  
 Anschutz Medical Campus  
 University of Connecticut  
 University of Dayton  
 University of Delaware  
 University of Denver  
 University of Florida  
 University of Georgia  
 University of Hartford  
 University of Hawaii at Manoa  
 University of Houston  
 University of Houston – Clear Lake  
 University of Idaho  
 University of Illinois at Chicago  
 University of Illinois at Springfield  
 University of Illinois at Urbana-Champaign  
 University of Iowa  
 University of Kansas  
 University of Kentucky  
 University of Louisiana at Lafayette  
 University of Louisiana at Monroe  
 University of Louisville  
 University of Maine  
 University of Mary Hardin-Baylor  
 University of Maryland – Baltimore  
 University of Maryland – Baltimore County  
 University of Maryland – College Park  
 University of Maryland – Eastern Shore  
 University of Massachusetts Medical  
 School Worcester  
 University of Massachusetts – Amherst  
 University of Massachusetts – Boston  
 University of Massachusetts – Dartmouth  
 University of Massachusetts – Lowell  
 University of Memphis  
 University of Miami  
 University of Michigan – Ann Arbor  
 University of Michigan – Flint  
 University of Minnesota – Twin Cities  
 University of Mississippi  
 University of Mississippi Medical Center  
 University of Missouri – Columbia  
 University of Missouri – Kansas City  
 University of Missouri – St. Louis  
 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 – Las Vegas  
University of Nevada – Reno  
University of New England  
University of New Hampshire – Main Campus  
University of New Haven  
University of New Mexico – Main Campus  
University of New Orleans  
University of North Alabama  
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  
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 – Health Sciences Center  
University of Oklahoma – Norman Campus  
University of Oregon  
University of Pennsylvania  
University of Phoenix – Sperling Center  
University of Pittsburgh – Pittsburgh Campus  
University of Rhode Island  
University of Rochester  
University of Saint Francis – Fort Wayne  
University of San Diego  
University of San Francisco  
University of Scranton  
University of South Alabama  
University of South Carolina – Columbia  
University of South Dakota

University of South Florida – Main Campus  
University of Southern Maine  
University of Southern Mississippi  
University of St Thomas  
University of Texas Southwestern Medical Center  
University of the District of Columbia  
University of the Incarnate Word  
University of the Sciences in Philadelphia  
University of Toledo  
University of Tulsa  
University of Utah  
University of Vermont  
University of Virginia-Main Campus  
University of Washington – Seattle Campus  
University of West Alabama  
University of West Georgia  
University of Wisconsin – Eau Claire  
University of Wisconsin – La Crosse  
University of Wisconsin – Madison  
University of Wisconsin – Milwaukee  
University of Wisconsin – River Falls  
University of Wisconsin – Stevens Point  
University of Wisconsin – Superior  
University of Wyoming  
Upstate Medical University  
Ursuline College  
Valdosta State University  
Valparaiso University  
Vanderbilt University  
Virginia Commonwealth University  
Virginia Polytechnic Institute and State University  
Wagner College  
Wake Forest University  
Walden University  
Walsh University  
Washington State University  
Washington University in St Louis  
Watson School of Biological Sciences  
Wayne State College  
Wayne State University

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

# APPENDIX F

## Survey Instrument

### CGS/GRE<sup>®</sup> Survey of Graduate Enrollment and Degrees

2020 \_\_\_\_\_ Data Sheet

Institution Name: \_\_\_\_\_

GRE<sup>®</sup> Institution Code: \_\_\_\_\_

I. Graduate Enrollment for 2020 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, 2019, and June 30, 2020			
	Men	Women	Total
Master's and Other *			
Doctorate			
Graduate Certificate			

III. Number of Completed Applications Submitted for 2020 Fall Term			
	Master's and Other*	Doctorate	Total
Accepted			
Not Accepted			
<b>Total</b>			

IV. Graduate Enrollment by Race/Ethnicity for 2020 Fall Term								
		First-Time			Total (Includes First Time)			
		Men	Women	Total	Men	Women	Total	
Non-Resident Aliens (Temporary Residents)								
U.S. Citizens and Permanent Residents	Non-Hispanic	Hispanic/Latino (of any race)						
		American Indian/Alaskan Native						
		Asian						
		Black/African American						
		Native Hawaiian/Other Pacific Islander						
		White						
		Two or More Races						
	Race/Ethnicity Unknown							
Citizenship Unknown								
<b>Total</b>								

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



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