

GRADUATE ENROLLMENT AND DEGREES

2012 TO 2022

APPENDICES AND TABLES

APPENDIX A: DEFINITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Citizenship Unknown—Includes individuals whose citizenship is not known.

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

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

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

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

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

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

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

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

One-year Comparisons—One-year comparisons, which are reported as percentages, are based on data collected from only those institutions that responded to both the 2021 and 2022 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 2017 and 2022 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 2012 and 2022 surveys.

Trend Lines—Trend lines were constructed using data collected from only those institutions that responded to all surveys from 2012 through 2022.

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 545 institutions that responded to the 2022 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 2012 and 2022, 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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Carnegie Classification and Institution Type **	Doctoral			Master's/Other *			Total		
	Total	Accepted Applications		Total	Accepted Applications		Total	Accepted Applications	
Total	774,994	167,799	21.7%	1,846,923	920,426	49.8%	2,625,752	1,091,044	41.6%
<i>Public</i>	432,139	108,955	25.2%	1,110,818	580,813	52.3%	1,546,792	692,587	44.8%
<i>Private, not-for-profit</i>	342,833	58,829	17.2%	730,517	334,025	45.7%	1,073,350	392,854	36.6%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral: Very High Research	655,500	125,783	19.2%	1,175,630	533,892	45.4%	1,831,130	659,675	36.0%
<i>Public</i>	363,448	85,377	23.5%	724,559	351,603	48.5%	1,088,007	436,980	40.2%
<i>Private, not-for-profit</i>	292,052	40,406	13.8%	451,071	182,289	40.4%	743,123	222,695	30.0%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral: High Research	69,779	23,644	33.9%	293,213	166,045	56.6%	362,992	189,689	52.3%
<i>Public</i>	43,831	15,765	36.0%	199,747	113,333	56.7%	243,578	129,098	53.0%
<i>Private, not-for-profit</i>	25,948	7,879	30.4%	93,466	52,712	56.4%	119,414	60,591	50.7%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Doctoral/ Professional Universities	18,191	8,219	45.2%	124,701	69,738	55.9%	144,605	79,409	54.9%
<i>Public</i>	4,356	2,184	50.1%	38,062	24,600	64.6%	44,131	28,236	64.0%
<i>Private, not-for-profit</i>	13,835	6,035	43.6%	86,639	45,138	52.1%	100,474	51,173	50.9%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Master's Colleges and Universities	12,902	6,013	46.6%	213,853	135,509	63.4%	228,877	142,889	62.4%
<i>Public</i>	7,104	2,888	40.7%	132,524	86,086	65.0%	141,750	90,341	63.7%
<i>Private, not-for-profit</i>	5,776	3,110	53.8%	75,741	43,835	57.9%	81,517	46,945	57.6%
<i>Private, for-profit</i>	N/A	N/A		N/A	N/A		N/A	N/A	
Other	18,622	4,140	22.2%	39,526	15,242	38.6%	58,148	19,382	33.3%
<i>Public</i>	13,400	2,741	20.5%	15,926	5,191	32.6%	29,326	7,932	27.0%
<i>Private, not-for-profit</i>	5,222	1,399	26.8%	23,600	10,051	42.6%	28,822	11,450	39.7%
<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.

TABLE B.2 APPLICATIONS FOR ADMISSION TO GRADUATE SCHOOL BY BROAD FIELD AND DEGREE LEVEL, FALL 2022

Broad Field	Doctoral			Master's/Other *			Total		
	Total	Accepted Applications		Total	Accepted Applications		Total	Accepted Applications	
Total	776,295	168,618	21.7%	1,850,341	921,516	49.8%	2,628,349	1,092,953	41.6%
Arts and Humanities	54,488	9,018	16.6%	74,059	29,561	39.9%	128,547	38,605	30.0%
Biological and Agricultural Sciences	90,548	15,918	17.6%	55,825	27,910	50.0%	146,373	43,828	29.9%
Business	20,694	3,628	17.5%	266,458	144,952	54.4%	287,152	148,627	51.8%
Education	25,553	10,947	42.8%	102,422	70,305	68.6%	127,975	81,505	63.7%
Engineering	90,772	24,365	26.8%	181,596	93,139	51.3%	272,368	117,504	43.1%
Health Sciences	75,854	21,342	28.1%	167,959	79,153	47.1%	243,813	100,495	41.2%
Mathematics and Computer Sciences	69,421	14,246	20.5%	362,694	141,150	38.9%	432,115	155,396	36.0%
Physical and Earth Sciences	75,492	16,557	21.9%	15,254	7,014	46.0%	90,746	23,571	26.0%
Public Administration and Services	4,275	1,336	31.3%	48,619	34,075	70.1%	52,894	35,546	67.2%
Social and Behavioral Sciences	115,681	14,324	12.4%	87,432	47,936	54.8%	203,113	62,351	30.7%
Other Fields	21,787	5,060	23.2%	114,738	64,987	56.6%	136,525	70,047	51.3%

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

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

N/A means a category was not applicable, while S means that the data were suppressed due to a small number of institutional respondents in the category.

Unless otherwise stated, all data are sourced from the 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 2022

Carnegie Classification and Institution Type *	Total	Men		Women		Full-Time		Part-Time	
Total	508,646	214,572	42.2%	293,597	57.8%	358,413	70.5%	150,233	29.5%
<i>Public</i>	339,585	143,944	42.4%	195,164	57.6%	229,414	67.6%	110,171	32.4%
<i>Private, not-for-profit</i>	162,670	68,843	42.3%	93,827	57.7%	126,504	77.8%	36,166	22.2%
<i>Private, for-profit</i>	S	S		S		S		S	
Doctoral: Very High Research	286,899	133,750	46.6%	153,149	53.4%	223,703	78.0%	63,196	22.0%
<i>Public</i>	201,093	93,823	46.7%	107,270	53.3%	150,579	74.9%	50,514	25.1%
<i>Private, not-for-profit</i>	85,806	39,927	46.5%	45,879	53.5%	73,124	85.2%	12,682	14.8%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: High Research	92,739	37,649	40.6%	55,090	59.4%	59,651	64.3%	33,088	35.7%
<i>Public</i>	65,170	25,937	39.8%	39,233	60.2%	40,146	61.6%	25,024	38.4%
<i>Private, not-for-profit</i>	27,569	11,712	42.5%	15,857	57.5%	19,505	70.7%	8,064	29.3%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral/ Professional Universities	45,344	13,716	30.2%	31,628	69.8%	27,556	60.8%	17,788	39.2%
<i>Public</i>	15,365	4,704	30.6%	10,661	69.4%	8,166	53.1%	7,199	46.9%
<i>Private, not-for-profit</i>	25,306	8,293	32.8%	17,013	67.2%	17,112	67.6%	8,194	32.4%
<i>Private, for-profit</i>	S	S		S		S		S	
Master's Colleges and Universities	74,900	26,296	35.3%	48,127	64.7%	40,705	54.3%	34,195	45.7%
<i>Public</i>	53,428	18,253	34.5%	34,698	65.5%	27,416	51.3%	26,012	48.7%
<i>Private, not-for-profit</i>	19,754	6,977	35.3%	12,777	64.7%	13,072	66.2%	6,682	33.8%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Other	8,764	3,161	36.1%	5,603	63.9%	6,798	77.6%	1,966	22.4%
<i>Public</i>	4,529	1,227	27.1%	3,302	72.9%	3,107	68.6%	1,422	31.4%
<i>Private, not-for-profit</i>	4,235	1,934	45.7%	2,301	54.3%	3,691	87.2%	544	12.8%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	

* See Appendix A about the Carnegie Classification system.

Table B.4 First-Time Graduate Enrollment by Broad Field, Gender, and Attendance Status, Fall 2022

Broad Field	Total	Men		Women		Full-Time		Part-Time	
Total	508,912	214,665	42.2%	293,770	57.8%	358,652	70.5%	150,260	29.5%
Arts and Humanities	19,419	8,004	41.2%	11,415	58.8%	15,681	80.8%	3,738	19.2%
Biological and Agricultural Sciences	23,046	8,691	37.7%	14,355	62.3%	19,182	83.2%	3,864	16.8%
Business	71,871	38,619	53.7%	33,252	46.3%	48,744	67.8%	23,114	32.2%
Education	55,072	12,294	22.3%	42,754	77.7%	25,677	46.6%	29,371	53.4%
Engineering	40,807	28,956	71.0%	11,851	29.0%	33,588	82.3%	7,219	17.7%
Health Sciences	59,799	12,244	20.5%	47,555	79.5%	41,175	68.9%	18,595	31.1%
Mathematics and Computer Sciences	51,358	33,770	65.8%	17,588	34.2%	41,466	80.7%	9,892	19.3%
Physical and Earth Sciences	10,307	5,644	54.8%	4,663	45.2%	9,384	91.0%	923	9.0%
Public Administration and Services	21,250	4,325	20.4%	16,925	79.6%	15,016	70.7%	6,234	29.3%
Social and Behavioral Sciences	30,343	10,296	33.9%	20,047	66.1%	23,310	76.8%	7,033	23.2%
Other Fields	32,381	12,044	37.2%	20,337	62.8%	22,307	68.9%	10,074	31.1%

Table B.5 First-Time Graduate Enrollment by Gender, Attendance Status, and Broad Field, Fall 2022

Broad Field	Men				Women			
	Full-Time		Part-Time		Full-Time		Part-Time	
Total	159,165	74.3%	55,177	25.7%	198,477	67.7%	94,524	32.3%
Arts and Humanities	6,589	82.3%	1,414	17.7%	9,090	79.7%	2,315	20.3%
Biological and Agricultural Sciences	7,233	83.2%	1,458	16.8%	11,949	83.2%	2,406	16.8%
Business	26,867	69.6%	11,732	30.4%	21,869	65.8%	11,366	34.2%
Education	6,134	50.0%	6,128	50.0%	19,512	45.8%	23,085	54.2%
Engineering	23,598	81.5%	5,358	18.5%	9,990	84.3%	1,861	15.7%
Health Sciences	8,915	72.9%	3,322	27.1%	32,248	67.9%	15,267	32.1%
Mathematics and Computer Sciences	27,073	80.2%	6,697	19.8%	14,393	81.8%	3,195	18.2%
Physical and Earth Sciences	5,122	90.8%	522	9.2%	4,262	91.4%	401	8.6%
Public Administration and Services	2,962	68.8%	1,346	31.2%	11,997	71.1%	4,875	28.9%
Social and Behavioral Sciences	8,076	78.5%	2,210	21.5%	15,200	76.0%	4,809	24.0%
Other Fields	8,635	71.7%	3,409	28.3%	13,672	67.2%	6,665	32.8%

TABLE B.6 FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD AND DEGREE LEVEL, FALL 2022

Broad Field	Total	Doctoral		Master's/Other *	
Total	508,912	78,739	15.5%	428,678	84.5%
Arts and Humanities	19,419	4,354	22.4%	15,065	77.6%
Biological and Agricultural Sciences	23,046	8,516	37.0%	14,530	63.0%
Business	71,871	1,773	2.5%	70,098	97.5%
Education	55,072	6,907	12.5%	48,173	87.5%
Engineering	40,807	9,274	22.7%	31,533	77.3%
Health Sciences	59,799	12,894	21.7%	46,487	78.3%
Mathematics and Computer Sciences	51,358	4,866	9.5%	46,492	90.5%
Physical and Earth Sciences	10,307	6,603	64.1%	3,704	35.9%
Public Administration and Services	21,250	742	3.5%	20,508	96.5%
Social and Behavioral Sciences	30,343	7,012	23.1%	23,331	76.9%
Other Fields	32,381	2,362	7.3%	30,019	92.7%

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

TABLE B.7 FIRST-TIME GRADUATE ENROLLMENT BY DEGREE LEVEL, GENDER, AND BROAD FIELD, FALL 2022

Broad Field	Doctoral				Master s/Other *			
	Men		Women		Men		Women	
Total	34,425	43.7%	44,294	56.3%	179,566	42.0%	247,563	58.0%
Arts and Humanities	1,969	45.2%	2,385	54.8%	6,034	40.1%	9,020	59.9%
Biological and Agricultural Sciences	3,434	40.3%	5,082	59.7%	5,257	36.2%	9,273	63.8%
Business	843	47.5%	930	52.5%	37,764	53.9%	32,310	46.1%
Education	1,875	27.1%	5,032	72.9%	10,387	21.7%	37,565	78.3%
Engineering	6,314	68.1%	2,960	31.9%	22,642	71.8%	8,891	28.2%
Health Sciences	3,165	24.5%	9,729	75.5%	9,029	19.4%	37,440	80.6%
Mathematics and Computer Sciences	3,439	70.7%	1,427	29.3%	30,331	65.2%	16,161	34.8%
Physical and Earth Sciences	3,775	57.2%	2,828	42.8%	1,869	50.5%	1,835	49.5%
Public Administration and Services	204	27.5%	538	72.5%	4,104	20.1%	16,334	79.9%
Social and Behavioral Sciences	2,614	37.3%	4,398	62.7%	7,672	33.0%	15,611	67.0%
Other Fields	944	40.0%	1,418	60.0%	11,100	37.0%	18,919	63.0%

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

TABLE B.8 FIRST-TIME GRADUATE ENROLLMENT BY INSTITUTION TYPE, CARNEGIE CLASSIFICATION, AND CITIZENSHIP, FALL 2022

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
Total	508,646	368,684	72.6%	138,809	27.4%
Institution Type					
Public	339,585	253,977	75.0%	84,711	25.0%
Private, not-for-profit	162,670	108,538	66.8%	53,975	33.2%
Private, for-profit	S	S		S	
Carnegie Classification *					
Doctoral: Very High Research	286,899	188,477	65.7%	98,358	34.3%
Doctoral: High Research	92,739	72,475	78.2%	20,247	21.8%
Doctoral/Professional Universities	45,344	39,246	87.0%	5,855	13.0%
Master's Colleges and Universities	74,900	62,324	84.1%	11,759	15.9%
Other	8,850	6,239	70.6%	2,599	29.4%

* See Appendix A about the Carnegie Classification system.

TABLE B.9 FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD AND CITIZENSHIP, FALL 2022

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
Total	508,912	369,277	72.7%	138,986	27.3%
Arts and Humanities	19,419	15,021	78.6%	4,095	21.4%
Biological and Agricultural Sciences	23,046	16,825	75.4%	5,494	24.6%
Business	71,871	52,644	74.5%	18,050	25.5%
Education	55,072	51,569	95.1%	2,669	4.9%
Engineering	40,807	17,944	45.1%	21,820	54.9%
Health Sciences	59,799	54,388	92.8%	4,245	7.2%
Mathematics and Computer Sciences	51,358	15,729	31.1%	34,869	68.9%
Physical and Earth Sciences	10,307	6,594	65.0%	3,554	35.0%
Public Administration and Services	21,250	20,048	94.7%	1,120	5.3%
Social and Behavioral Sciences	30,343	23,364	79.6%	5,997	20.4%
Other Fields	32,381	24,090	75.2%	7,960	24.8%

TABLE B.10 FIRST-TIME GRADUATE ENROLLMENT BY CITIZENSHIP, RACE/ETHNICITY, AND GENDER, FALL 2022

Citizenship and Race/ Ethnicity*	Total	Men		Women	
Total	508,912	214,665	42.2%	293,770	57.8%
U.S. Citizens and Permanent Residents	369,277	135,082	36.7%	232,797	63.3%
Hispanic/Latino	52,482	18,028	34.7%	33,936	65.3%
Non-Hispanic:					
American Indian/Alaska Native	1,773	543	30.7%	1,225	69.3%
Asian	33,247	14,226	42.9%	18,918	57.1%
Black/African American	43,601	13,223	30.4%	30,318	69.6%
Native Hawaiian/Other Pacific Islander	509	210	41.5%	296	58.5%
White	208,163	77,118	37.2%	130,445	62.8%
Two or More Races	14,477	5,409	37.5%	9,007	62.5%
Race/Ethnicity Unknown	15,025	6,325	42.2%	8,652	57.8%
Temporary Residents	138,986	79,117	57.0%	59,698	43.0%
Citizenship Unknown	345	106	30.7%	239	69.3%

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

TABLE B.11 FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD AND RACE/ETHNICITY, FALL 2022 (U.S. CITIZENS AND PERMANENT RESIDENTS ONLY)

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/African American	
Total	52,482	14.2%	1,773	0.5%	33,247	9.0%	43,601	11.8%
Arts and Humanities	2,018	13.4%	66	0.4%	942	6.3%	1,135	7.6%
Biological and Agricultural Sciences	2,199	13.1%	77	0.5%	1,959	11.6%	1,263	7.5%
Business	6,920	13.1%	193	0.4%	6,038	11.5%	6,057	11.5%
Education	8,052	15.6%	331	0.6%	2,059	4.0%	6,994	13.6%
Engineering	2,298	12.8%	51	0.3%	3,118	17.4%	1,030	5.7%
Health Sciences	6,710	12.3%	239	0.4%	4,981	9.2%	6,983	12.8%
Mathematics and Computer Sciences	1,751	11.1%	32	0.2%	3,837	24.4%	1,212	7.7%
Physical and Earth Sciences	831	12.6%	23	0.3%	608	9.2%	295	4.5%
Public Administration and Services	3,580	17.9%	129	0.6%	885	4.4%	3,201	16.0%
Social and Behavioral Sciences	4,073	17.4%	139	0.6%	1,520	6.5%	2,818	12.1%
Other Fields	3,479	14.4%	174	0.7%	1,620	6.7%	2,780	11.5%

Continued on the following page.

Broad Field	Native Hawaiian/ Other Pacific Islander		White		Two or More Races		Race/Ethnicity Unknown	
Total	509	0.1%	208,163	56.4%	14,477	3.9%	15,025	4.1%
Arts and Humanities	16	0.1%	9,565	63.7%	731	4.9%	548	3.6%
Biological and Agricultural Sciences	23	0.1%	9,942	59.1%	809	4.8%	553	3.3%
Business	85	0.2%	29,173	55.4%	1,856	3.5%	2,322	4.4%
Education	58	0.1%	30,652	59.4%	1,738	3.4%	1,685	3.3%
Engineering	13	0.1%	9,951	55.5%	854	4.8%	629	3.5%
Health Sciences	61	0.1%	31,257	57.5%	1,966	3.6%	2,191	4.0%
Mathematics and Computer Sciences	17	0.1%	7,305	46.4%	628	4.0%	947	6.0%
Physical and Earth Sciences	3	0.0%	4,313	65.4%	323	4.9%	198	3.0%
Public Administration and Services	37	0.2%	10,740	53.6%	799	4.0%	677	3.4%
Social and Behavioral Sciences	51	0.2%	12,839	55.0%	1,081	4.6%	843	3.6%
Other Fields	33	0.1%	13,725	57.0%	965	4.0%	1,314	5.5%

This table only includes U.S. citizens and permanent residents. See Table B.9 for first-time enrollment by broad field for temporary residents. See Appendix A for a description of each race/ethnicity category.

TABLE B.12 TOTAL GRADUATE ENROLLMENT BY INSTITUTION TYPE, CARNEGIE CLASSIFICATION, GENDER, AND ATTENDANCE STATUS, FALL 2022

Carnegie Classification and Institution Type *	Total	Men		Women		Full-Time		Part-Time	
Total	1,832,348	760,978	41.8%	1,058,848	58.2%	1,108,715	60.5%	723,633	39.5%
<i>Public</i>	1,239,467	523,323	42.7%	703,622	57.3%	724,906	58.5%	514,561	41.5%
<i>Private, not-for-profit</i>	530,748	221,351	41.7%	309,397	58.3%	351,799	66.3%	178,949	33.7%
<i>Private, for-profit</i>	S	S		S		S		S	
Doctoral: Very High Research	1,028,839	486,502	47.3%	542,337	52.7%	698,532	67.9%	330,307	32.1%
<i>Public</i>	758,009	357,618	47.2%	400,391	52.8%	492,555	65.0%	265,454	35.0%
<i>Private, not-for-profit</i>	270,830	128,884	47.6%	141,946	52.4%	205,977	76.1%	64,853	23.9%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral: High Research	338,230	133,172	39.7%	202,248	60.3%	180,087	53.2%	158,143	46.8%
<i>Public</i>	243,290	94,158	39.2%	146,322	60.8%	125,009	51.4%	118,281	48.6%
<i>Private, not-for-profit</i>	94,940	39,014	41.1%	55,926	58.9%	55,078	58.0%	39,862	42.0%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Doctoral/ Professional Universities	179,343	48,191	26.9%	131,152	73.1%	82,803	46.2%	96,540	53.8%
<i>Public</i>	61,161	17,340	28.4%	43,821	71.6%	25,541	41.8%	35,620	58.2%
<i>Private, not-for-profit</i>	82,316	24,579	29.9%	57,737	70.1%	42,878	52.1%	39,438	47.9%
<i>Private, for-profit</i>	S	S		S		S		S	
Master's Colleges and Universities	239,626	78,130	34.0%	151,784	66.0%	109,372	45.6%	130,254	54.4%
<i>Public</i>	160,661	49,537	32.8%	101,412	67.2%	70,602	43.9%	90,059	56.1%
<i>Private, not-for-profit</i>	69,503	22,737	32.7%	46,766	67.3%	37,949	54.6%	31,554	45.4%
<i>Private, for-profit</i>	N/A	N/A		N/A		N/A		N/A	
Other	46,310	14,983	32.4%	31,327	67.6%	37,921	81.9%	8,389	18.1%
<i>Public</i>	16,346	4,670	28.6%	11,676	71.4%	11,199	68.5%	5,147	31.5%
<i>Private, not-for-profit</i>	13,159	6,137	46.6%	7,022	53.4%	9,917	75.4%	3,242	24.6%
<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.

TABLE B.13 TOTAL GRADUATE ENROLLMENT BY BROAD FIELD, GENDER, AND ATTENDANCE STATUS, FALL 2022

Broad Field	Total	Men		Women		Full-Time		Part-Time	
Total	1,833,318	761,296	41.8%	1,059,500	58.2%	1,109,518	60.5%	723,800	39.5%
Arts and Humanities	89,531	37,100	41.4%	52,431	58.6%	56,111	62.7%	33,420	37.3%
Biological and Agricultural Sciences	96,793	38,149	39.4%	58,644	60.6%	74,582	77.1%	22,211	22.9%
Business	237,339	128,817	54.3%	108,522	45.7%	128,985	54.4%	108,296	45.6%
Education	213,368	48,824	22.9%	164,237	77.1%	83,549	39.2%	129,609	60.8%
Engineering	148,211	106,086	72.2%	40,907	27.8%	105,956	71.5%	42,255	28.5%
Health Sciences	234,287	48,636	20.8%	185,651	79.2%	138,283	59.0%	95,930	41.0%
Mathematics and Computer Sciences	158,378	106,627	67.3%	51,735	32.7%	104,301	65.9%	54,061	34.1%
Physical and Earth Sciences	48,360	28,321	58.7%	19,941	41.3%	40,985	84.7%	7,375	15.3%
Public Administration and Services	70,591	15,100	21.5%	55,078	78.5%	44,374	62.9%	26,217	37.1%
Social and Behavioral Sciences	117,022	39,890	34.1%	77,106	65.9%	79,054	67.6%	37,968	32.4%
Other Fields	108,260	39,561	37.4%	66,164	62.6%	60,676	56.0%	47,584	44.0%

TABLE B.14 TOTAL GRADUATE ENROLLMENT BY GENDER, ATTENDANCE STATUS, AND BROAD FIELD, FALL 2022

Broad Field	Men				Women			
	Full-Time		Part-Time		Full-Time		Part-Time	
Total	485,246	63.8%	275,097	36.2%	616,522	58.3%	440,565	41.7%
Arts and Humanities	23,504	63.4%	13,575	36.6%	32,602	62.2%	19,801	37.8%
Biological and Agricultural Sciences	29,680	77.8%	8,469	22.2%	44,902	76.6%	13,742	23.4%
Business	72,145	56.0%	56,592	44.0%	56,818	52.4%	51,621	47.6%
Education	19,852	40.8%	28,861	59.2%	63,417	38.8%	100,228	61.2%
Engineering	74,775	70.5%	31,311	29.5%	30,297	74.1%	10,610	25.9%
Health Sciences	31,678	65.2%	16,934	34.8%	106,566	57.5%	78,914	42.5%
Mathematics and Computer Sciences	69,294	65.0%	37,331	35.0%	35,007	67.7%	16,725	32.3%
Physical and Earth Sciences	24,020	84.8%	4,301	15.2%	16,944	85.0%	2,997	15.0%
Public Administration and Services	8,908	59.2%	6,144	40.8%	34,891	63.6%	19,932	36.4%
Social and Behavioral Sciences	27,550	69.1%	12,295	30.9%	51,405	66.8%	25,579	33.2%
Other Fields	23,257	58.8%	16,304	41.2%	36,901	55.8%	29,263	44.2%

TABLE B.15 TOTAL GRADUATE ENROLLMENT BY BROAD FIELD AND DEGREE LEVEL, FALL 2021

Broad Field	Total	Doctoral		Master's/Other *	
Total	1,833,318	466,426	25.5%	1,363,965	74.5%
Arts and Humanities	89,531	29,283	32.7%	60,248	67.3%
Biological and Agricultural Sciences	96,793	50,703	52.4%	46,090	47.6%
Business	237,339	10,846	4.6%	226,493	95.4%
Education	213,368	48,806	22.9%	164,617	77.1%
Engineering	148,211	59,319	40.0%	88,892	60.0%
Health Sciences	234,287	62,994	27.0%	170,052	73.0%
Mathematics and Computer Sciences	158,378	27,673	17.5%	130,817	82.5%
Physical and Earth Sciences	48,360	36,936	76.4%	11,424	23.6%
Public Administration and Services	70,591	5,380	7.6%	65,211	92.4%
Social and Behavioral Sciences	117,022	43,686	37.3%	73,336	62.7%
Other Fields	108,260	13,888	12.8%	94,372	87.2%

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

TABLE B.16 TOTAL GRADUATE ENROLLMENT BY DEGREE LEVEL, GENDER, AND BROAD FIELD, FALL 2022

Broad Field	Doctoral				Master's/Other *			
	Men		Women		Men		Women	
Total	212,103	45.5%	254,146	54.5%	546,920	40.6%	799,922	59.4%
Arts and Humanities	13,277	45.3%	16,006	54.7%	23,802	39.5%	36,397	60.5%
Biological and Agricultural Sciences	21,589	42.6%	29,114	57.4%	16,560	35.9%	29,530	64.1%
Business	5,379	49.6%	5,467	50.4%	123,386	54.5%	103,002	45.5%
Education	13,533	27.8%	35,218	72.2%	35,215	21.5%	128,611	78.5%
Engineering	42,156	71.1%	17,163	28.9%	63,930	72.9%	23,744	27.1%
Health Sciences	15,969	25.4%	47,025	74.6%	32,462	19.1%	137,469	80.9%
Mathematics and Computer Sciences	19,739	71.3%	7,934	28.7%	86,951	66.5%	43,845	33.5%
Physical and Earth Sciences	22,514	61.0%	14,422	39.0%	5,807	51.3%	5,519	48.7%
Public Administration and Services	1,539	28.6%	3,841	71.4%	13,513	21.0%	50,982	79.0%
Social and Behavioral Sciences	16,213	37.1%	27,473	62.9%	23,632	32.3%	49,511	67.7%
Other Fields	5,975	43.0%	7,913	57.0%	33,586	36.6%	58,251	63.4%

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

TABLE B.17 TOTAL GRADUATE ENROLLMENT BY INSTITUTION TYPE, CARNEGIE CLASSIFICATION, AND CITIZENSHIP, FALL 2022

Institution Type and Carnegie Classification *	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
Total	1,832,348	1,427,153	78.1%	399,977	21.9%
Institution Type					
Public	1,239,467	979,287	79.3%	255,939	20.7%
Private, not-for-profit	530,748	387,513	73.0%	143,207	27.0%
Private, for-profit	S	S		S	
Carnegie Classification *					
Doctoral: Very High Research	1,028,839	730,385	71.1%	297,543	28.9%
Doctoral: High Research	338,230	281,431	83.2%	56,694	16.8%
Doctoral/Professional Universities	179,343	163,560	92.1%	14,108	7.9%
Master's Colleges and Universities	239,626	213,601	90.1%	23,576	9.9%
Other	46,718	38,551	82.7%	8,089	17.3%

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

TABLE B.18 TOTAL GRADUATE ENROLLMENT BY BROAD FIELD AND CITIZENSHIP, FALL 2022

Broad Field	Total	U.S. Citizens and Permanent Residents		Temporary Residents	
Total	1,833,318	1,428,661	78.1%	400,232	21.9%
Arts and Humanities	89,531	73,096	82.9%	15,114	17.1%
Biological and Agricultural Sciences	96,793	73,406	78.1%	20,595	21.9%
Business	237,339	188,533	80.7%	45,218	19.3%
Education	213,368	200,079	95.8%	8,769	4.2%
Engineering	148,211	71,515	49.7%	72,271	50.3%
Health Sciences	234,287	216,466	94.5%	12,589	5.5%
Mathematics and Computer Sciences	158,378	63,193	40.7%	92,205	59.3%
Physical and Earth Sciences	48,360	31,037	65.2%	16,550	34.8%
Public Administration and Services	70,591	67,300	95.8%	2,963	4.2%
Social and Behavioral Sciences	117,022	92,819	82.1%	20,175	17.9%
Other Fields	108,260	87,438	81.6%	19,696	18.4%

TABLE B.19 TOTAL GRADUATE ENROLLMENT BY CITIZENSHIP, RACE/ETHNICITY, AND GENDER, FALL 2022

Citizenship and Race/ Ethnicity	Total	Men		Women	
Total	1,833,318	761,296	41.8%	1,059,500	58.2%
U.S. Citizens and Permanent Residents	1,428,661	528,293	37.3%	886,942	62.7%
Hispanic/Latino	183,738	63,561	35.2%	116,919	64.8%
Non-Hispanic:					
American Indian/Alaska Native	6,346	1,984	31.5%	4,318	68.5%
Asian	123,126	52,956	43.8%	68,073	56.2%
Black/African American	169,028	50,051	29.7%	118,503	70.3%
Native Hawaiian/Other Pacific Islander	2,309	882	38.7%	1,398	61.3%
White	823,387	311,823	38.1%	505,543	61.9%
Two or More Races	57,300	21,626	38.1%	35,201	61.9%
Race/Ethnicity Unknown	63,427	25,410	40.7%	36,987	59.3%
Temporary Residents	400,232	230,751	58.0%	167,019	42.0%
Citizenship Unknown	2,787	883	31.7%	1,904	68.3%

TABLE B.20 TOTAL GRADUATE ENROLLMENT BY BROAD FIELD AND RACE/ETHNICITY, FALL 2022 (U.S. CITIZENS AND PERMANENT RESIDENTS ONLY)

Broad Field	Hispanic/Latino		American Indian/ Alaska Native		Asian		Black/African American	
Total	183,738	12.9%	6,346	0.4%	123,126	8.6%	169,028	11.8%
Arts and Humanities	8,154	11.2%	297	0.4%	4,128	5.6%	5,313	7.3%
Biological and Agricultural Sciences	8,459	11.5%	291	0.4%	7,611	10.4%	4,807	6.5%
Business	22,267	11.8%	652	0.3%	22,245	11.8%	20,301	10.8%
Education	29,127	14.6%	1,175	0.6%	7,410	3.7%	28,142	14.1%
Engineering	8,541	11.9%	201	0.3%	10,755	15.0%	4,313	6.0%
Health Sciences	24,335	11.2%	882	0.4%	19,037	8.8%	29,806	13.8%
Mathematics and Computer Sciences	6,154	9.7%	115	0.2%	14,434	22.8%	4,730	7.5%
Physical and Earth Sciences	3,458	11.1%	101	0.3%	2,656	8.6%	1,178	3.8%
Public Administration and Services	10,649	15.8%	421	0.6%	2,551	3.8%	12,156	18.1%
Social and Behavioral Sciences	14,195	15.3%	485	0.5%	5,809	6.3%	11,082	11.9%
Other Fields	11,708	13.4%	504	0.6%	5,467	6.3%	9,159	10.5%

Continued on following page.

Broad Field	Native Hawaiian/Other Pacific Islander		White		Two or More Races		Race/Ethnicity Unknown	
Total	2,309	0.2%	823,387	57.6%	57,300	4.0%	63,427	4.4%
Arts and Humanities	76	0.1%	48,366	66.2%	4,094	5.6%	2,668	3.6%
Biological and Agricultural Sciences	105	0.1%	46,095	62.8%	3,738	5.1%	2,300	3.1%
Business	276	0.1%	106,643	56.6%	7,617	4.0%	8,532	4.5%
Education	401	0.2%	120,754	60.4%	6,418	3.2%	6,652	3.3%
Engineering	70	0.1%	41,740	58.4%	3,176	4.4%	2,719	3.8%
Health Sciences	334	0.2%	125,383	57.9%	8,014	3.7%	8,675	4.0%
Mathematics and Computer Sciences	78	0.1%	31,364	49.6%	2,629	4.2%	3,689	5.8%
Physical and Earth Sciences	24	0.1%	21,197	68.3%	1,424	4.6%	999	3.2%
Public Administration and Services	125	0.2%	36,320	54.0%	2,694	4.0%	2,384	3.5%
Social and Behavioral Sciences	163	0.2%	52,964	57.1%	4,610	5.0%	3,511	3.8%
Other Fields	136	0.2%	51,915	59.4%	3,844	4.4%	4,705	5.4%

TABLE B.21 GRADUATE DEGREES AND CERTIFICATES AWARDED BY DEGREE LEVEL, CARNEGIE CLASSIFICATION, AND INSTITUTION TYPE, 2021-22

Carnegie Classification and Institution Type *	Doctoral Degrees		Master's Degrees		Certificates	
Total	78,923	100.0%	545,649	100.0%	50,553	100.0%
<i>Public</i>	52,492	66.5%	353,810	64.8%	34,751	68.7%
<i>Private, not-for-profit</i>	24,677	31.3%	174,045	31.9%	14,269	28.2%
<i>Private, for-profit</i>	S		S		S	
Doctoral: Very High Research	53,285	67.5%	283,962	52.0%	23,650	46.8%
<i>Public</i>	38,839	72.9%	199,358	70.2%	17,868	75.6%
<i>Private, not-for-profit</i>	14,446	27.1%	84,604	29.8%	5,782	24.4%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral: High Research	12,285	15.6%	103,374	18.9%	12,957	25.6%
<i>Public</i>	8,329	67.8%	70,703	68.4%	9,440	72.9%
<i>Private, not-for-profit</i>	3,956	32.2%	32,671	31.6%	3,517	27.1%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Doctoral/Professional Universities	7,637	9.7%	58,002	10.6%	4,348	8.6%
<i>Public</i>	2,139	28.0%	21,604	37.2%	1,895	43.6%
<i>Private, not-for-profit</i>	3,927	51.4%	27,206	46.9%	1,952	44.9%
<i>Private, for-profit</i>	S		S		S	
Master's Colleges and Universities	3,721	4.7%	87,357	16.0%	8,279	16.4%
<i>Public</i>	1,751	47.1%	58,549	67.0%	5,091	61.5%
<i>Private, not-for-profit</i>	1,969	52.9%	25,957	29.7%	2,806	33.9%
<i>Private, for-profit</i>	N/A		N/A		N/A	
Other	1,995	2.5%	12,954	2.4%	1,319	2.6%
<i>Public</i>	1,434	71.9%	3,596	27.8%	457	34.6%
<i>Private, not-for-profit</i>	379	19.0%	3,607	27.8%	212	16.1%
<i>Private, for-profit</i>	S		S		S	

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

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.

TABLE B.22 GRADUATE DEGREES AND CERTIFICATES AWARDED BY DEGREE LEVEL AND BROAD FIELD, 2021-22

Broad Field	Doctoral Degrees		Master's Degrees		Certificates	
Total	78,972	100.0%	546,503	100.0%	50,570	100.0%
Arts and Humanities	4,173	6.5%	17,602	4.0%	1,174	2.9%
Biological and Agricultural Sciences	7,547	11.7%	17,445	3.9%	1,248	3.1%
Business	1,750	2.7%	98,940	22.4%	6,189	15.4%
Education	7,890	12.2%	76,043	17.2%	11,640	29.0%
Engineering	9,714	15.0%	33,911	7.7%	1,998	5.0%
Health Sciences	15,292	23.7%	62,888	14.2%	6,976	17.4%
Mathematics and Computer Sciences	3,597	5.6%	36,177	8.2%	1,865	4.6%
Physical and Earth Sciences	5,227	8.1%	6,243	1.4%	574	1.4%
Public Administration and Services	841	1.3%	27,904	6.3%	1,047	2.6%
Social and Behavioral Sciences	6,414	9.9%	29,635	6.7%	2,756	6.9%
Other Fields	2,155	3.3%	35,226	8.0%	4,717	11.7%

TABLE B.23 GRADUATE CERTIFICATES AWARDED BY BROAD FIELD AND GENDER, 2021-22

Broad Field	Total	Men		Women	
Total	50,570	16,745	33.1%	33,784	66.9%
Arts and Humanities	1,174	419	35.7%	755	64.3%
Biological and Agricultural Sciences	1,248	476	38.1%	772	61.9%
Business	6,189	3,022	48.8%	3,167	51.2%
Education	11,640	2,314	19.9%	9,325	80.1%
Engineering	1,998	1,445	72.3%	553	27.7%
Health Sciences	6,976	1,365	19.6%	5,611	80.4%
Mathematics and Computer Sciences	1,865	1,104	59.2%	761	40.8%
Physical and Earth Sciences	574	312	54.4%	262	45.6%
Public Administration and Services	1,047	264	25.2%	783	74.8%
Social and Behavioral Sciences	2,756	776	28.2%	1,980	71.8%
Other Fields	4,717	1,786	37.9%	2,931	62.1%

TABLE B.24 MASTER'S DEGREES AWARDED BY BROAD FIELD AND GENDER, 2021-22

Broad Field	Total	Men		Women	
Total	546,503	212,216	39.1%	329,881	60.9%
Arts and Humanities	17,602	6,865	39.0%	10,721	61.0%
Biological and Agricultural Sciences	17,445	6,367	36.5%	11,078	63.5%
Business	98,940	52,409	53.0%	46,531	47.0%
Education	76,043	16,228	21.4%	59,689	78.6%
Engineering	33,911	24,075	71.0%	9,836	29.0%
Health Sciences	62,888	11,953	19.0%	50,935	81.0%
Mathematics and Computer Sciences	36,177	23,740	65.8%	12,362	34.2%
Physical and Earth Sciences	6,243	3,437	55.1%	2,806	44.9%
Public Administration and Services	27,904	5,290	19.0%	22,614	81.0%
Social and Behavioral Sciences	29,635	10,245	34.6%	19,390	65.4%
Other Fields	35,226	12,621	35.8%	22,605	64.2%

TABLE B.25 DOCTORAL DEGREES AWARDED BY BROAD FIELD AND GENDER, 2020-21

Broad Field	Total	Men		Women	
Total	78,972	35,861	45.5%	43,027	54.5%
Arts and Humanities	4,173	1,969	47.2%	2,204	52.8%
Biological and Agricultural Sciences	7,547	3,482	46.1%	4,065	53.9%
Business	1,750	967	55.3%	783	44.7%
Education	7,890	2,288	29.0%	5,602	71.0%
Engineering	9,714	7,174	73.9%	2,540	26.1%
Health Sciences	15,292	4,080	26.7%	11,212	73.3%
Mathematics and Computer Sciences	3,597	2,621	72.9%	976	27.1%
Physical and Earth Sciences	5,227	3,315	63.4%	1,912	36.6%
Public Administration and Services	841	256	30.4%	585	69.6%
Social and Behavioral Sciences	6,414	2,449	38.2%	3,965	61.8%
Other Fields	2,155	936	43.4%	1,219	56.6%

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TABLE C.1 APPLICATIONS FOR ADMISSION TO GRADUATE SCHOOL BY INSTITUTION TYPE, CARNEGIE CLASSIFICATION, AND DEGREE LEVEL, 2012 TO 2022

Institution Type, Carnegie Classification, and Degree Level	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	3.9%	5.4%	3.2%
Institution Type			
Public	4.6%	4.3%	2.8%
Private, not-for-profit	2.8%	7.3%	4.0%
Private, for-profit	N/A	N/A	N/A
Carnegie Classification *			
Doctoral: Very High Research	2.6%	4.9%	2.9%
Doctoral: High Research	2.1%	6.1%	2.5%
Doctoral/Professional Universities	10.4%	3.4%	3.6%
Master's Colleges and Universities	18.8%	9.5%	5.9%
Other	-1.1%	9.3%	6.1%
Degree Level			
Doctoral	-0.8%	4.1%	1.3%
Master's/Other **	6.1%	6.0%	4.2%

TABLE C.2 APPLICATIONS FOR ADMISSION TO GRADUATE SCHOOL BY BROAD FIELD, 2012 TO 2022

Broad Field	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	3.9%	5.4%	3.2%
Arts and Humanities	1.6%	0.3%	-1.7%
Biological and Agricultural Sciences	1.4%	5.7%	2.5%
Business	1.5%	3.0%	2.8%
Education	-7.4%	0.6%	-0.6%
Engineering	8.7%	0.6%	0.7%
Health Sciences	-8.9%	1.5%	1.9%
Mathematics and Computer Sciences	26.8%	18.3%	20.9%
Physical and Earth Sciences	2.8%	3.4%	1.7%
Public Administration and Services	-14.4%	-1.3%	-0.8%
Social and Behavioral Sciences	-6.0%	3.3%	0.2%
Other Fields	2.0%	5.9%	1.7%

TABLE C.3 APPLICATIONS FOR ADMISSION TO GRADUATE SCHOOL BY BROAD FIELD AND DEGREE LEVEL, 2012 TO 2022

Broad Field	Doctoral			Master's/Other *		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-0.8%	4.1%	1.3%	6.1%	6.0%	4.2%
Arts and Humanities	12.2%	2.0%	-1.1%	-5.4%	-0.9%	-2.2%
Biological and Agricultural Sciences	4.8%	6.7%	2.4%	-3.9%	4.1%	2.5%
Business	-4.6%	-1.0%	0.1%	2.0%	3.4%	3.1%
Education	-7.5%	1.7%	0.1%	-7.3%	0.3%	-0.7%
Engineering	1.1%	0.2%	-0.3%	12.9%	0.8%	1.4%
Health Sciences	-5.6%	3.6%	3.0%	-10.4%	0.7%	1.3%
Mathematics and Computer Sciences	-0.4%	8.6%	5.9%	34.3%	21.3%	28.7%
Physical and Earth Sciences	5.5%	4.0%	2.5%	-8.9%	0.3%	-1.3%
Public Administration and Services	-13.9%	9.5%	2.1%	-14.4%	-1.9%	-1.0%
Social and Behavioral Sciences	-4.6%	2.1%	-0.4%	-7.8%	5.1%	1.3%
Other Fields	3.5%	6.1%	0.7%	1.7%	5.8%	1.9%

TABLE C.4 FIRST-TIME GRADUATE ENROLLMENT BY INSTITUTION TYPE AND CARNEGIE CLASSIFICATION, 2012 TO 2022

Carnegie Classification and Institution Type *	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-4.7%	2.0%	2.2%
<i>Public</i>	-3.9%	2.6%	2.5%
<i>Private, not-for-profit</i>	-6.1%	1.0%	1.9%
<i>Private, for-profit</i>	S	S	S
Doctoral: Very High Research	-6.0%	1.8%	2.8%
<i>Public</i>	-5.6%	1.8%	2.6%
<i>Private, not-for-profit</i>	-6.9%	1.6%	3.3%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral: High Research	-4.4%	1.9%	1.0%
<i>Public</i>	-3.3%	2.3%	1.5%
<i>Private, not-for-profit</i>	-6.8%	1.0%	-0.1%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral/Professional Universities	-4.7%	-1.0%	0.2%
<i>Public</i>	-7.7%	2.4%	1.5%
<i>Private, not-for-profit</i>	-1.0%	-1.3%	1.2%
<i>Private, for-profit</i>	S	S	S
Master's Colleges and Universities	2.5%	5.5%	3.0%
<i>Public</i>	3.7%	6.9%	3.9%
<i>Private, not-for-profit</i>	-1.2%	1.0%	0.3%
<i>Private, for-profit</i>	N/A	N/A	N/A
Other	-15.8%	2.8%	3.6%
<i>Public</i>	-8.0%	0.2%	5.0%
<i>Private, not-for-profit</i>	-23.8%	6.7%	2.3%
<i>Private, for-profit</i>	N/A	N/A	N/A

* 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.

TABLE C.5 FIRST-TIME GRADUATE ENROLLMENT BY CITIZENSHIP AND RACE/ETHNICITY, 2012 TO 2022

Citizenship and Race/ Ethnicity	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-4.7%	2.0%	2.2%
U.S. Citizens and Permanent Residents	-9.6%	0.6%	1.2%
American Indian/Alaska Native	-1.6%	2.0%	0.3%
Asian and Pacific Islanders	-9.1%	4.5%	5.3%
<i>Asian</i>	-8.8%	4.7%	5.5%
<i>Native Hawaiians/Other Pacific Islanders</i>	-23.8%	-1.1%	-2.8%
Black/African American	-7.8%	1.8%	2.4%
Hispanic/Latino	-5.7%	5.9%	8.2%
White	-11.0%	-1.1%	-0.3%
Temporary Residents	10.2%	7.8%	7.1%
Other/Unknown **	-6.4%	-1.3%	-0.8%

TABLE C.6 FIRST-TIME GRADUATE ENROLLMENT BY CITIZENSHIP, RACE/ETHNICITY, AND GENDER, 2012 TO 2022

Citizenship and Race/Ethnicity	Men			Women		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-3.5%	1.8%	1.9%	-5.6%	2.2%	2.4%
U.S. Citizens and Permanent Residents	-10.4%	-0.6%	0.2%	-9.1%	1.4%	1.9%
American Indian/ Alaska Native	-9.4%	0.2%	-1.6%	2.2%	2.9%	1.4%
Asian/Pacific Islander	-8.7%	3.4%	4.0%	-9.3%	5.6%	6.4%
<i>Asian</i>	-8.6%	3.5%	4.2%	-9.0%	5.7%	6.7%
<i>Native Hawaiians/ Other Pacific Islanders</i>	-15.8%	0.6%	-1.6%	-28.4%	-2.1%	-3.4%
Black/African American	-9.8%	1.3%	2.3%	-7.0%	2.0%	2.5%
Hispanic/Latino	-7.1%	4.2%	6.6%	-5.0%	6.8%	9.1%
White	-11.6%	-2.4%	-1.2%	-10.7%	-0.2%	0.3%
Temporary Residents	9.5%	8.1%	7.3%	11.0%	7.7%	6.9%
Other/ Unknown**	-2.7%	-1.2%	-1.4%	-8.8%	-1.5%	-0.4%

** 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: Ten-year trend data are unavailable for Asian and Native Hawaiians/Other Pacific Islanders.

TABLE C.7 FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD, 2012 TO 2022

Broad Field	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-4.7%	2.0%	2.2%
Arts and Humanities	-5.6%	-2.1%	-2.0%
Biological and Agricultural Sciences	-4.1%	2.7%	2.7%
Business	-7.3%	1.4%	2.0%
Education	-8.8%	-0.6%	-1.1%
Engineering	-8.1%	0.9%	1.7%
Health Sciences	-9.4%	1.3%	2.5%
Mathematics and Computer Sciences	5.4%	12.3%	17.2%
Physical and Earth Sciences	-3.9%	-0.1%	-0.3%
Public Administration and Services	-12.6%	-2.3%	-0.3%
Social and Behavioral Sciences	-7.3%	1.3%	0.5%
Other Fields	-3.9%	2.3%	1.5%

TABLE C.8 FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD AND ATTENDANCE STATUS, 2012 TO 2022

Broad Field	Full-Time			Part-Time		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-3.7%	2.2%	2.2%	-6.9%	1.5%	2.0%
Arts and Humanities	-4.9%	-2.1%	-1.9%	-8.6%	-2.0%	-2.3%
Biological and Agricultural Sciences	-3.6%	1.8%	2.3%	-6.6%	9.0%	5.6%
Business	-6.2%	1.9%	1.7%	-9.5%	0.4%	2.8%
Education	-11.6%	-1.0%	-1.7%	-6.2%	-0.4%	-0.5%
Engineering	-5.7%	0.9%	1.8%	-18.0%	0.7%	1.2%
Health Sciences	-7.5%	1.2%	2.4%	-13.2%	1.4%	2.5%
Mathematics and Computer Sciences	10.8%	15.0%	17.9%	-12.1%	4.8%	14.9%
Physical and Earth Sciences	-3.0%	0.4%	0.1%	-11.9%	-4.5%	-3.2%
Public Administration and Services	-12.9%	-2.4%	-0.5%	-11.8%	-2.1%	0.0%
Social and Behavioral Sciences	-6.5%	0.4%	-0.1%	-9.7%	4.6%	3.8%
Other Fields	-2.3%	3.3%	1.8%	-7.2%	0.2%	0.9%

TABLE C.9 FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD AND CITIZENSHIP, 2012 TO 2022

	U.S. Citizens and Permanent Residents			Temporary Residents		
Broad Field	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-9.6%	0.6%	1.2%	10.2%	7.8%	7.1%
Arts and Humanities	-8.0%	-2.7%	-2.6%	5.1%	1.7%	2.1%
Biological and Agricultural Sciences	-8.2%	1.5%	2.3%	10.4%	7.5%	4.8%
Business	-11.3%	0.2%	2.0%	6.2%	6.4%	2.0%
Education	-8.1%	-0.9%	-1.1%	1.1%	5.9%	0.8%
Engineering	-16.1%	0.0%	0.8%	-0.7%	1.6%	2.3%
Health Sciences	-10.7%	1.2%	2.3%	11.3%	10.3%	6.0%
Mathematics and Computer Sciences	-12.5%	3.4%	8.4%	16.6%	18.8%	25.2%
Physical and Earth Sciences	-10.1%	-1.2%	-0.7%	10.3%	2.2%	0.8%
Public Administration and Services	-13.4%	-2.4%	-0.4%	1.4%	4.8%	1.5%
Social and Behavioral Sciences	-8.9%	0.9%	0.1%	1.0%	3.7%	2.9%
Other Fields	-9.5%	1.1%	0.8%	13.5%	6.6%	4.9%

TABLE C.10 FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD AND RACE/ETHNICITY, 2012 TO 2022 (U.S. CITIZENS AND PERMANENT RESIDENTS ONLY)

Broad Field	% Change, '21 - '22	Avg. Annual % Change, '17 - '22	Avg. Annual % Change, '12 - '22	% Change, '21 - '22	Avg. Annual % Change, '17 - '22	Avg. Annual % Change, '12 - '22	% Change, '21 - '22	Avg. Annual % Change, '17 - '22	Avg. Annual % Change, '12 - '22
	American Indian/Alaska Native			Asian/Pacific Islander *			Asian		
Total	-1.6%	2.0%	0.3%	-9.1%	4.5%	5.3%	-8.8%	4.7%	5.5%
Arts & Humanities	-20.8%	-4.1%	-4.1%	6.4%	-0.2%	0.3%	7.0%	-0.2%	1.2%
Bio. & Agric. Sci.	19.0%	6.7%	1.8%	-1.3%	3.0%	4.6%	-1.0%	3.0%	4.6%
Business	-7.1%	4.7%	1.2%	-9.6%	4.2%	3.6%	-9.7%	4.4%	3.8%
Education	19.5%	2.5%	1.5%	-13.1%	1.6%	1.6%	-10.3%	1.8%	2.3%
Engineering	-20.3%	4.4%	0.7%	-8.2%	3.9%	3.8%	-7.7%	3.9%	3.9%
Health Sciences	0.4%	0.6%	1.5%	-8.1%	2.7%	4.4%	-7.6%	2.9%	4.8%
Math & Comp. Sci.	-9.1%	10.5%	3.9%	-8.3%	13.3%	28.7%	-8.2%	13.4%	29.2%
Physical & Earth Sci.	-36.4%	-1.1%	-3.7%	1.4%	6.5%	3.9%	2.6%	6.9%	4.1%
Public Admin. & Svcs.	-10.1%	-3.5%	-2.1%	-10.8%	3.0%	2.5%	-10.5%	3.4%	3.1%
Social & Behav. Sci.	-0.7%	1.1%	-2.3%	-8.0%	6.6%	3.8%	-8.9%	6.5%	4.0%
Other Fields	0.6%	6.0%	4.5%	-9.6%	5.8%	4.3%	-9.7%	6.1%	4.8%
	Native Hawaiians/ Other Pacific Islanders			Black/African American			Hispanic/Latino		
Total	-23.8%	-1.1%	-2.8%	-7.8%	1.8%	2.4%	-5.7%	5.9%	8.2%
Arts & Humanities	-15.8%	-1.4%	-7.9%	-10.4%	0.7%	1.3%	-8.2%	-0.9%	1.4%
Bio. & Agric. Sci.	-21.4%	5.0%	2.9%	-11.4%	2.6%	7.9%	-8.7%	7.8%	12.7%
Business	-1.2%	-6.4%	-4.4%	-6.9%	1.0%	3.4%	-11.7%	5.3%	10.5%
Education	-58.3%	-2.8%	-6.9%	-4.1%	1.9%	0.3%	-1.7%	4.3%	3.9%
Engineering	-60.0%	-4.0%	-5.9%	-20.2%	1.8%	2.2%	-15.5%	4.1%	6.8%
Health Sciences	-36.8%	-7.4%	-5.5%	-10.3%	3.7%	4.2%	-4.6%	9.9%	13.0%
Math & Comp. Sci.	-20.0%	0.0%	-0.7%	-9.6%	3.4%	8.4%	-8.5%	8.8%	22.0%
Physical & Earth Sci.	-70.0%	-12.5%	-5.7%	4.0%	6.4%	4.0%	-6.1%	7.1%	9.0%
Public Admin. & Svcs.	-17.5%	-4.5%	-4.6%	-13.1%	-5.2%	-1.4%	-6.3%	5.1%	7.5%
Social & Behav. Sci.	28.9%	7.7%	-1.1%	-6.3%	0.7%	1.4%	-4.7%	7.7%	7.2%
Other Fields	-5.9%	-2.7%	-3.8%	-3.6%	2.4%	3.2%	-11.0%	6.5%	9.1%
	White			<p>* Includes Asians and Native Hawaiians/Other Pacific Islanders.</p> <p>Notes: Ten-year trend data are unavailable for Asian and Native Hawaiians/Other Pacific Islanders.</p>					
Total	-11.0%	-1.1%	-0.3%						
Arts & Humanities	-8.8%	-3.5%	-3.5%						
Bio. & Agric. Sci.	-9.1%	0.1%	0.5%						
Business	-12.4%	-1.5%	0.6%						
Education	-10.3%	-2.5%	-2.2%						
Engineering	-18.1%	-1.8%	-0.7%						
Health Sciences	-12.5%	-0.7%	0.7%						
Math & Comp. Sci.	-15.9%	-0.7%	3.2%						
Physical & Earth Sci.	-12.8%	-3.2%	-2.0%						
Public Admin. & Svcs.	-15.9%	-3.3%	-1.5%						
Social & Behav. Sci.	-10.8%	-0.9%	-1.4%						
Other Fields	-10.4%	-0.6%	-0.9%						

TABLE C.11 FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD AND GENDER, 2012 TO 2022

Broad Field	Men			Women		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-3.5%	1.8%	1.9%	-5.6%	2.2%	2.4%
Arts and Humanities	-3.6%	-2.3%	-2.3%	-7.0%	-2.0%	-1.7%
Biological and Agricultural Sciences	-3.6%	0.1%	0.5%	-4.6%	4.9%	4.6%
Business	-6.8%	0.8%	1.4%	-7.2%	2.2%	2.9%
Education	-10.5%	-2.0%	-1.9%	-8.3%	-0.2%	-0.8%
Engineering	-8.2%	0.1%	0.9%	-8.7%	3.1%	4.0%
Health Sciences	-9.2%	0.4%	1.6%	-9.4%	1.5%	2.7%
Mathematics and Computer Sciences	4.0%	11.6%	15.7%	7.9%	13.8%	20.7%
Physical and Earth Sciences	-3.9%	-1.8%	-1.5%	-3.8%	2.5%	1.6%
Public Administration and Services	-12.1%	-2.1%	-0.6%	-12.7%	-2.4%	-0.3%
Social and Behavioral Sciences	-8.8%	-1.0%	-1.2%	-6.6%	2.6%	1.8%
Other Fields	-2.9%	1.2%	0.4%	-4.4%	3.0%	2.3%

TABLE C.12 DOCTORATE-LEVEL FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD AND GENDER, 2012 TO 2022

	Total			Men			Women		
Broad Field	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-3.2%	1.3%	1.1%	-2.3%	-0.5%	-0.4%	-3.8%	3.1%	2.6%
Arts and Humanities	6.5%	-1.7%	-2.4%	6.7%	-2.3%	-2.7%	6.2%	-1.2%	-2.1%
Biological and Agricultural Sciences	3.1%	3.3%	1.6%	2.6%	0.9%	-0.2%	3.5%	5.6%	3.3%
Business	-12.0%	-2.6%	-0.5%	-11.4%	-5.2%	-1.8%	-10.7%	0.7%	1.2%
Education	-15.8%	0.8%	0.6%	-15.9%	-2.3%	-1.0%	-15.7%	2.2%	1.4%
Engineering	-4.9%	0.4%	0.9%	-5.3%	-0.9%	-0.1%	-4.0%	3.8%	3.7%
Health Sciences	-4.4%	2.4%	3.7%	-4.7%	0.6%	1.6%	-4.4%	3.0%	4.5%
Mathematics and Computer Sciences	-1.1%	3.0%	2.8%	0.2%	2.7%	2.1%	-3.3%	4.1%	4.7%
Physical and Earth Sciences	-0.2%	0.4%	0.3%	-2.7%	-1.5%	-1.0%	3.4%	3.6%	2.9%
Public Administration and Services	-13.4%	-1.0%	-2.3%	-9.4%	-5.8%	-4.3%	-14.8%	1.5%	-1.3%
Social and Behavioral Sciences	2.9%	-1.4%	-1.4%	6.5%	-2.9%	-2.6%	0.7%	-0.4%	-0.5%
Other Fields	-1.3%	1.0%	0.2%	-5.2%	-1.9%	-2.0%	1.3%	3.4%	2.4%

TABLE C.13 MASTER'S-LEVEL FIRST-TIME GRADUATE ENROLLMENT BY BROAD FIELD AND GENDER, 2012 TO 2022

Broad Field	Total			Men			Women		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-4.9%	2.2%	2.4%	-3.6%	2.4%	2.5%	-5.8%	2.1%	2.4%
Arts and Humanities	-8.8%	-2.2%	-1.9%	-6.7%	-2.2%	-2.2%	-10.1%	-2.2%	-1.6%
Biological and Agricultural Sciences	-8.0%	2.4%	3.6%	-7.4%	-0.4%	1.1%	-8.5%	4.5%	5.5%
Business	-7.3%	1.5%	2.1%	-6.8%	1.0%	1.5%	-7.1%	2.2%	3.0%
Education	-7.6%	-0.8%	-1.4%	-9.4%	-2.0%	-2.2%	-7.2%	-0.5%	-1.1%
Engineering	-9.1%	1.0%	1.9%	-9.0%	0.4%	1.2%	-10.2%	2.9%	4.1%
Health Sciences	-10.8%	0.9%	2.1%	-10.6%	0.4%	1.5%	-10.8%	1.1%	2.3%
Mathematics and Computer Sciences	6.1%	13.8%	21.3%	4.5%	13.2%	20.0%	9.1%	15.1%	24.4%
Physical and Earth Sciences	-9.8%	-0.9%	-1.1%	-6.3%	-2.5%	-2.3%	-13.0%	0.9%	0.3%
Public Administration and Services	-12.6%	-2.4%	-0.2%	-12.3%	-1.9%	-0.3%	-12.5%	-2.5%	-0.2%
Social and Behavioral Sciences	-10.0%	2.2%	1.4%	-13.0%	-0.2%	-0.5%	-8.6%	3.5%	2.6%
Other Fields	-4.1%	2.4%	1.7%	-2.7%	1.5%	0.7%	-4.9%	2.9%	2.3%

TABLE C.14 TOTAL GRADUATE ENROLLMENT BY INSTITUTION TYPE AND CARNEGIE CLASSIFICATION, 2012 TO 2022

Carnegie Classification and Institution Type *	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-0.6%	2.0%	1.2%
<i>Public</i>	0.2%	2.4%	1.9%
<i>Private, not-for-profit</i>	-1.6%	1.8%	1.2%
<i>Private, for-profit</i>	S	S	S
Doctoral: Very High Research	1.0%	2.9%	2.6%
<i>Public</i>	0.9%	2.7%	2.5%
<i>Private, not-for-profit</i>	1.2%	3.3%	2.8%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral: High Research	-3.6%	0.8%	0.3%
<i>Public</i>	-2.0%	0.9%	0.7%
<i>Private, not-for-profit</i>	-6.8%	0.7%	-0.7%
<i>Private, for-profit</i>	N/A	N/A	N/A
Doctoral/Professional Universities	-5.3%	-0.8%	-0.1%
<i>Public</i>	-2.1%	2.5%	0.7%
<i>Private, not-for-profit</i>	-5.6%	-1.5%	0.3%
<i>Private, for-profit</i>	S	S	S
Master's Colleges and Universities	0.5%	2.9%	1.1%
<i>Public</i>	0.9%	3.4%	1.7%
<i>Private, not-for-profit</i>	-0.7%	1.3%	-0.5%
<i>Private, for-profit</i>	N/A	N/A	N/A
Other	-1.7%	-0.5%	-4.7%
<i>Public</i>	-3.2%	1.7%	1.8%
<i>Private, not-for-profit</i>	1.9%	7.7%	2.8%
<i>Private, for-profit</i>	S	S	S

TABLE C.15 TOTAL GRADUATE ENROLLMENT BY CITIZENSHIP AND RACE/ETHNICITY, 2012 TO 2022

Citizenship and Race/ Ethnicity	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-0.6%	2.0%	1.2%
U.S. Citizens and Permanent Residents	-5.6%	1.4%	0.7%
American Indian/Alaska Native	-2.6%	0.6%	-1.2%
Asian/Pacific Islander	-1.3%	6.8%	5.1%
<i>Asian</i>	-1.2%	6.9%	5.4%
<i>Native Hawaiians/Other Pacific Islanders</i>	-5.7%	0.9%	-2.5%
Black/African American	-4.8%	1.7%	1.0%
Hispanic/Latino	-1.7%	6.7%	6.6%
White	-7.2%	-0.2%	-0.6%
Temporary Residents	19.5%	4.8%	5.2%
Other/Unknown **	-3.4%	-0.5%	-1.5%

TABLE C.16 TOTAL GRADUATE ENROLLMENT BY CITIZENSHIP, RACE/ETHNICITY, AND GENDER, 2012 TO 2022

Citizenship and Race/ Ethnicity	Men			Women		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	0.6%	1.4%	1.0%	-1.9%	2.4%	1.4%
U.S. Citizens and Permanent Residents	-6.8%	0.3%	0.0%	-5.2%	2.1%	1.1%
American Indian/Alaska Native	-6.8%	-0.9%	-2.4%	-1.1%	1.4%	-0.6%
Asian/Pacific Islander	-2.1%	6.0%	4.3%	-1.2%	7.2%	5.7%
<i>Asian</i>	-2.1%	6.1%	4.5%	-1.1%	7.3%	6.0%
<i>Native Hawaiians/ Other Pacific Islanders</i>	-5.5%	0.7%	-2.6%	-6.8%	0.8%	-2.5%
Black/African American	-5.5%	1.5%	1.1%	-4.7%	1.8%	0.9%
Hispanic/Latino	-3.2%	5.4%	5.7%	-1.6%	7.2%	7.1%
White	-8.6%	-1.4%	-1.3%	-6.7%	0.7%	-0.1%
Temporary Residents	20.0%	4.5%	5.2%	18.4%	5.3%	5.3%
Other/Unknown **	-3.2%	-1.3%	-2.1%	-4.5%	-0.2%	-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.

TABLE C.17 TOTAL GRADUATE ENROLLMENT BY BROAD FIELD, 2012 TO 2022

Broad Field	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-0.6%	2.0%	1.2%
Arts and Humanities	-5.7%	-2.2%	-2.2%
Biological and Agricultural Sciences	0.9%	3.5%	2.5%
Business	-3.9%	3.4%	2.7%
Education	-6.9%	-1.2%	-1.7%
Engineering	1.8%	1.0%	1.8%
Health Sciences	-3.6%	2.4%	3.3%
Mathematics and Computer Sciences	18.5%	11.8%	14.5%
Physical and Earth Sciences	0.4%	0.3%	0.3%
Public Administration and Services	-6.6%	-0.3%	0.3%
Social and Behavioral Sciences	-1.9%	1.1%	0.2%
Other Fields	3.9%	3.7%	2.1%

TABLE C.18 TOTAL GRADUATE ENROLLMENT BY BROAD FIELD AND ATTENDANCE STATUS, 2012 TO 2022

Broad Field	Full-Time			Part-Time		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	1.2%	1.7%	0.9%	-3.2%	2.5%	1.7%
Arts and Humanities	-4.7%	-2.5%	-2.1%	-8.1%	-1.4%	-2.5%
Biological and Agricultural Sciences	1.6%	2.5%	1.9%	-1.2%	7.3%	4.6%
Business	-3.9%	2.5%	1.6%	-3.9%	4.5%	4.0%
Education	-8.6%	-1.8%	-2.3%	-5.9%	-0.8%	-1.2%
Engineering	4.5%	0.7%	1.9%	-4.5%	1.6%	1.6%
Health Sciences	-3.0%	1.8%	2.5%	-4.5%	3.1%	4.4%
Mathematics and Computer Sciences	26.1%	11.4%	13.6%	6.4%	12.4%	16.3%
Physical and Earth Sciences	1.7%	0.6%	0.6%	-6.4%	-1.1%	-1.3%
Public Administration and Services	-7.2%	-0.6%	-0.4%	-5.7%	0.1%	1.5%
Social and Behavioral Sciences	-2.6%	-0.1%	-0.5%	-0.3%	4.0%	1.9%
Other Fields	4.5%	3.3%	1.6%	3.3%	4.1%	2.8%

TABLE C.19 TOTAL GRADUATE ENROLLMENT BY BROAD FIELD AND CITIZENSHIP, 2012 TO 2022

Broad Field	U.S. Citizens and Permanent Residents			Temporary Residents		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-5.6%	1.4%	0.7%	19.5%	4.8%	5.2%
Arts and Humanities	-7.5%	-2.6%	-2.7%	2.0%	0.6%	1.8%
Biological and Agricultural Sciences	-1.7%	3.3%	2.6%	11.2%	4.4%	2.1%
Business	-8.7%	2.9%	2.6%	20.3%	6.4%	3.1%
Education	-6.9%	-1.2%	-1.7%	5.8%	0.9%	0.0%
Engineering	-8.0%	1.9%	1.0%	12.8%	0.1%	2.4%
Health Sciences	-4.7%	2.6%	3.2%	13.8%	4.9%	3.8%
Mathematics and Computer Sciences	-1.6%	7.9%	8.7%	36.7%	14.9%	21.2%
Physical and Earth Sciences	-2.9%	0.1%	0.1%	6.9%	1.1%	0.9%
Public Administration and Services	-7.6%	-0.3%	0.3%	18.8%	3.6%	0.7%
Social and Behavioral Sciences	-4.2%	0.8%	-0.2%	6.3%	3.4%	2.5%
Other Fields	0.2%	3.2%	1.6%	20.5%	5.1%	5.0%

TABLE C.20 TOTAL GRADUATE ENROLLMENT BY BROAD FIELD AND RACE/ETHNICITY, 2012 TO 2022 (U.S. CITIZENS AND PERMANENT RESIDENTS ONLY)

Broad Field	% Change, '21 - '22	Avg. Annual % Change, '17 - '22	Avg. Annual % Change, '12 - '22	% Change, '21 - '22	Avg. Annual % Change, '17 - '22	Avg. Annual % Change, '12 - '22	% Change, '21 - '22	Avg. Annual % Change, '17 - '22	Avg. Annual % Change, '12 - '22
	American Indian/Alaska Native			Asian/Pacific Islander *			Asian		
Total	-2.6%	0.6%	-1.2%	-1.3%	6.8%	5.1%	-1.2%	6.9%	5.4%
Arts & Humanities	-9.4%	-2.4%	-4.0%	0.3%	-0.3%	-0.5%	0.7%	-0.2%	0.0%
Bio. & Agric. Sci.	-0.3%	3.2%	0.4%	2.5%	5.7%	4.8%	2.3%	5.7%	4.9%
Business	-3.2%	4.7%	0.6%	-3.5%	8.3%	5.3%	-3.4%	8.9%	5.7%
Education	4.6%	0.4%	-2.0%	-5.3%	1.7%	1.3%	-5.1%	1.6%	1.6%
Engineering	-11.3%	2.4%	-0.6%	-2.7%	5.1%	3.0%	-2.4%	5.1%	3.1%
Health Sciences	5.8%	0.8%	-0.3%	-2.5%	4.8%	6.4%	-2.0%	4.9%	6.7%
Math & Comp. Sci.	-6.7%	6.9%	0.7%	6.4%	21.5%	28.3%	6.4%	21.6%	28.7%
Physical & Earth Sci.	-1.0%	-2.3%	-3.7%	2.3%	4.8%	3.6%	2.5%	5.0%	3.7%
Public Admin. & Svcs.	-0.5%	-2.0%	-0.3%	-3.6%	3.6%	1.5%	-3.8%	3.9%	2.1%
Social & Behav. Sci.	-9.9%	-3.2%	-3.4%	-2.0%	5.7%	2.5%	-2.1%	5.8%	2.8%
Other Fields	0.0%	0.0%	-3.6%	0.0%	0.0%	1.2%	10.3%	9.4%	5.3%
	Native Hawaiians/Other Pacific Islanders			Black/African American			Hispanic/Latino		
Total	-5.7%	0.9%	-2.5%	-4.8%	1.7%	1.0%	-1.7%	6.7%	6.6%
Arts & Humanities	-12.3%	-5.6%	-6.9%	-4.7%	1.6%	1.1%	-4.6%	0.5%	1.4%
Bio. & Agric. Sci.	16.7%	6.1%	-0.5%	0.4%	7.5%	7.2%	1.4%	10.9%	13.6%
Business	-8.2%	-8.8%	-4.8%	-7.4%	1.3%	2.6%	-6.9%	9.5%	12.0%
Education	-8.3%	3.6%	-2.7%	-4.0%	0.7%	-0.8%	-2.0%	3.5%	3.2%
Engineering	-31.3%	0.7%	-4.6%	-6.0%	4.2%	2.8%	-5.7%	7.7%	7.7%
Health Sciences	-22.4%	0.2%	-1.4%	-3.8%	5.6%	6.2%	2.5%	12.3%	14.1%
Math & Comp. Sci.	4.2%	7.8%	3.8%	-2.7%	5.7%	8.5%	0.2%	14.5%	19.4%
Physical & Earth Sci.	-18.5%	-7.1%	-3.1%	4.5%	5.6%	2.5%	1.9%	9.4%	11.7%
Public Admin. & Svcs.	0.9%	-0.8%	-3.9%	-9.1%	-2.7%	-1.0%	-5.2%	6.1%	7.3%
Social & Behav. Sci.	1.4%	4.0%	-3.7%	-3.7%	0.3%	0.7%	1.0%	8.5%	6.9%
Other Fields	5.9%	1.7%	-1.8%	0.0%	0.0%	0.8%	5.0%	11.3%	11.8%
	White								
Total	-7.2%	-0.2%	-0.6%						
Arts & Humanities	-9.0%	-3.6%	-3.5%						
Bio. & Agric. Sci.	-3.2%	1.6%	1.1%						
Business	-10.4%	1.2%	1.2%						
Education	-8.8%	-2.5%	-2.6%						
Engineering	-9.9%	0.2%	-0.3%						
Health Sciences	-6.6%	0.5%	1.4%						
Math & Comp. Sci.	-5.4%	3.5%	4.1%						
Physical & Earth Sci.	-4.7%	-1.6%	-1.0%						
Public Admin. & Svcs.	-8.2%	-0.9%	-0.5%						
Social & Behav. Sci.	-5.8%	-0.9%	-1.5%						
Other Fields	-1.7%	1.3%	-0.1%						

TABLE C.21 TOTAL GRADUATE ENROLLMENT BY BROAD FIELD AND GENDER, 2012 TO 2022

Broad Field	Men			Women		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	0.6%	1.4%	1.0%	-1.9%	2.4%	1.4%
Arts and Humanities	-6.0%	-2.7%	-2.5%	-5.6%	-1.8%	-1.9%
Biological and Agricultural Sciences	-0.2%	0.7%	0.6%	1.6%	5.9%	4.1%
Business	-3.4%	2.6%	1.8%	-3.2%	4.4%	3.8%
Education	-7.9%	-2.5%	-2.3%	-6.6%	-0.7%	-1.5%
Engineering	1.9%	0.2%	1.0%	1.1%	3.7%	4.3%
Health Sciences	-5.3%	0.8%	2.4%	-3.2%	2.8%	3.5%
Mathematics and Computer Sciences	17.1%	11.1%	13.1%	21.3%	13.2%	18.2%
Physical and Earth Sciences	-0.3%	-1.0%	-0.6%	1.6%	2.5%	1.8%
Public Administration and Services	-7.3%	-1.4%	-0.9%	-6.8%	-0.1%	0.6%
Social and Behavioral Sciences	-4.0%	-1.2%	-1.2%	-1.6%	2.6%	1.2%
Other Fields	2.7%	1.8%	0.8%	1.2%	3.8%	2.5%

TABLE C.22 DOCTORATE-LEVEL TOTAL GRADUATE ENROLLMENT BY BROAD FIELD AND GENDER, 2012 TO 2022

Broad Field	Total			Men			Women		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-1.1%	1.1%	0.9%	-2.0%	-0.4%	0.0%	-0.3%	2.6%	1.7%
Arts and Humanities	-3.8%	-2.2%	-2.1%	-4.4%	-2.9%	-2.4%	-3.2%	-1.7%	-1.9%
Biological and Agricultural Sciences	2.4%	2.7%	1.5%	0.5%	0.3%	0.1%	3.9%	5.0%	2.7%
Business	-6.8%	-1.1%	-0.9%	-8.6%	-2.9%	-1.8%	-4.0%	1.1%	0.2%
Education	-2.4%	0.6%	-0.4%	-3.9%	-1.8%	-1.5%	-1.8%	1.7%	0.0%
Engineering	-2.3%	1.3%	1.6%	-2.8%	0.2%	0.8%	-1.0%	4.4%	4.2%
Health Sciences	-0.5%	3.2%	4.8%	-3.4%	0.3%	2.8%	0.5%	4.3%	5.5%
Mathematics and Computer Sciences	3.0%	4.1%	3.2%	2.6%	3.4%	2.5%	4.1%	6.0%	5.2%
Physical and Earth Sciences	2.0%	0.7%	0.9%	0.5%	-0.6%	0.0%	4.5%	3.1%	2.6%
Public Administration and Services	-2.5%	-1.9%	-2.1%	-3.8%	-4.8%	-3.7%	-2.0%	-0.5%	-1.2%
Social and Behavioral Sciences	-1.4%	-1.1%	-0.9%	-2.8%	-2.9%	-1.9%	-0.6%	0.2%	-0.2%
Other Fields	-1.0%	0.7%	-0.3%	-2.6%	-1.6%	-1.8%	0.3%	2.8%	1.2%

TABLE C.23 MASTER'S-LEVEL TOTAL GRADUATE ENROLLMENT BY BROAD FIELD AND GENDER, 2012 TO 2022 *

Broad Field	Total			Men			Women		
	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022	% Change, 2021 to 2022	Average Annual % Change, 2017 to 2022	Average Annual % Change, 2012 to 2022
Total	-0.2%	2.4%	1.4%	1.8%	2.3%	1.5%	-2.4%	2.3%	1.3%
Arts and Humanities	-7.1%	-2.1%	-2.2%	-7.2%	-2.6%	-2.6%	-7.0%	-1.8%	-2.0%
Biological and Agricultural Sciences	-0.9%	4.5%	4.0%	-1.2%	1.3%	1.6%	-0.9%	6.9%	6.0%
Business	-3.8%	3.7%	3.0%	-3.3%	3.0%	2.1%	-3.2%	4.6%	4.2%
Education	-8.3%	-1.7%	-2.1%	-9.5%	-2.7%	-2.6%	-8.0%	-1.4%	-1.9%
Engineering	4.7%	0.7%	2.0%	5.3%	0.1%	1.3%	2.8%	3.2%	4.3%
Health Sciences	-4.8%	2.1%	2.8%	-6.2%	1.2%	2.2%	-4.5%	2.4%	2.9%
Mathematics and Computer Sciences	22.7%	14.3%	20.9%	21.3%	13.9%	19.5%	25.3%	15.1%	24.2%
Physical and Earth Sciences	-4.6%	-0.9%	-1.2%	-3.5%	-2.5%	-2.3%	-5.7%	1.0%	0.3%
Public Administration and Services	-6.9%	-0.2%	0.5%	-7.7%	-0.8%	-0.4%	-7.1%	-0.1%	0.7%
Social and Behavioral Sciences	-2.2%	2.9%	1.2%	-4.9%	0.4%	-0.5%	-2.3%	4.4%	2.3%
Other Fields	4.8%	4.2%	2.7%	3.8%	2.6%	1.6%	1.3%	4.0%	2.8%

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

TABLE C.24 GRADUATE DEGREES AND CERTIFICATES AWARDED BY DEGREE LEVEL AND INSTITUTION TYPE, 2011-10 TO 2021-22

Degree Level and Institution Type	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22
Doctoral Degrees	3.0%	1.5%	2.5%
Public	6.0%	1.4%	2.2%
Private, not-for-profit	-1.7%	1.6%	3.2%
Private, for-profit	S	S	S
Master's Degrees	0.9%	1.6%	1.2%
Public	1.6%	2.1%	2.0%
Private, not-for-profit	0.3%	1.1%	1.2%
Private, for-profit	S	S	S
Graduate-Level Certificates	-1.2%	10.5%	9.1%
Public	-6.9%	14.3%	12.7%
Private, not-for-profit	18.8%	4.5%	4.2%
Private, for-profit	S	S	S

TABLE C.25 GRADUATE DEGREES AND CERTIFICATES AWARDED BY DEGREE LEVEL AND CARNEGIE CLASSIFICATION, 2011-12 TO 2021-22

Degree Level and Carnegie Classification *	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22
Doctoral Degrees	3.0%	1.5%	2.5%
Doctoral: Very High Research	8.0%	1.1%	1.5%
Doctoral: High Research	-6.7%	2.0%	4.2%
Doctoral/Professional Universities	-12.6%	1.6%	10.4%
Master's Colleges and Universities	19.4%	16.3%	18.1%
Other	-11.7%	-2.7%	-0.9%
Master's Degrees	0.9%	1.6%	1.2%
Doctoral: Very High Research	1.2%	2.7%	2.6%
Doctoral: High Research	1.6%	0.4%	0.8%
Doctoral/Professional Universities	0.7%	1.8%	1.2%
Master's Colleges and Universities	0.5%	0.2%	0.7%
Other	-7.4%	-3.8%	-6.1%
Graduate-Level Certificates	-1.2%	10.5%	9.1%
Doctoral: Very High Research	-7.6%	14.2%	13.6%
Doctoral: High Research	8.1%	9.9%	8.4%
Doctoral/Professional Universities	5.0%	1.3%	8.1%
Master's Colleges and Universities	8.4%	9.6%	4.5%
Other	-20.9%	4.9%	-1.2%

TABLE C.26 GRADUATE DEGREES AND CERTIFICATES AWARDED BY DEGREE LEVEL, INSTITUTION TYPE, AND GENDER, 2011-12 TO 2021-22

Degree Level and Institution Type	Men			Women		
	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22
Doctoral Degrees	-0.4%	0.4%	1.6%	6.0%	2.5%	3.4%
Public	4.1%	0.3%	1.4%	7.7%	2.5%	3.0%
Private, not-for-profit	-8.2%	0.8%	2.2%	4.3%	2.2%	4.2%
Private, for-profit	S	S	S	S	S	S
Master's Degrees	-2.2%	-0.3%	0.7%	3.1%	2.9%	1.6%
Public	-2.2%	-0.1%	1.4%	4.1%	3.7%	2.5%
Private, not-for-profit	-1.6%	0.0%	0.6%	1.9%	2.0%	1.8%
Private, for-profit	S	S	S	S	S	S
Graduate-Level Certificates	-14.7%	7.2%	8.2%	4.2%	12.2%	9.6%
Public	-21.5%	11.8%	13.3%	7.4%	15.5%	307.4%
Private, not-for-profit	10.7%	-0.1%	1.3%	-4.3%	7.3%	319.1%
Private, for-profit	S	S	S	S	S	S

TABLE C.27 GRADUATE DEGREES AND CERTIFICATES AWARDED BY DEGREE LEVEL, CARNEGIE CLASSIFICATION, AND GENDER, 2011-12 TO 2021-22

Degree Level and Carnegie Classification *	Men			Women		
	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22
Doctoral Degrees	-0.4%	0.4%	1.6%	6.0%	2.5%	3.4%
Doctoral: Very High Research	5.9%	0.4%	1.0%	10.2%	1.8%	2.1%
Doctoral: High Research	-9.3%	0.8%	3.4%	-5.0%	2.8%	4.9%
Doctoral/Professional Universities	-33.4%	-1.1%	8.1%	0.1%	2.9%	11.5%
Master's Colleges and Universities	14.8%	15.3%	19.2%	20.9%	16.3%	17.5%
Other	-21.3%	-6.0%	-1.8%	-5.2%	-0.3%	-0.4%
Master's Degrees	-2.2%	-0.3%	0.7%	3.1%	2.9%	1.6%
Doctoral: Very High Research	-2.2%	1.0%	1.9%	4.1%	4.2%	3.4%
Doctoral: High Research	-1.3%	-2.1%	-0.2%	4.0%	2.2%	1.5%
Doctoral/Professional Universities	-2.1%	0.5%	0.0%	1.8%	2.4%	1.7%
Master's Colleges and Universities	-2.0%	-2.6%	0.3%	1.5%	1.7%	1.0%
Other	-11.9%	-5.4%	-6.4%	-5.2%	-3.0%	-6.0%
Graduate-Level Certificates	-14.8%	7.2%	8.2%	6.4%	12.2%	9.6%
Doctoral: Very High Research	-20.8%	13.0%	13.8%	2.4%	14.4%	13.5%
Doctoral: High Research	0.5%	5.1%	8.0%	9.5%	13.0%	8.7%
Doctoral/Professional Universities	0.1%	-4.6%	5.9%	6.7%	4.4%	9.0%
Master's Colleges and Universities	-20.6%	3.5%	-0.2%	21.1%	12.2%	7.1%
Other	-23.0%	1.0%	-1.2%	-19.9%	7.1%	-1.3%

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

TABLE C.28 GRADUATE-LEVEL CERTIFICATES AWARDED BY BROAD FIELD AND GENDER, 2011-12 TO 2021-22

Broad Field	Total			Men			Women		
	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22
Total	-1.2%	10.5%	9.1%	-14.8%	7.2%	8.2%	6.4%	12.2%	9.6%
Arts & Humanities	5.1%	14.9%	7.6%	5.6%	11.8%	8.4%	5.4%	16.9%	7.5%
Bio. & Agric. Sci.	24.5%	15.6%	14.9%	20.1%	15.3%	12.9%	27.7%	16.1%	16.4%
Business	9.8%	11.6%	26.4%	7.1%	9.8%	26.0%	13.2%	13.5%	26.9%
Education	6.0%	5.4%	5.9%	1.4%	5.6%	3.8%	6.9%	8.6%	6.6%
Engineering	-49.3%	7.6%	9.5%	-48.4%	6.6%	7.9%	-51.8%	10.9%	16.9%
Health Sciences	17.4%	13.0%	8.7%	11.0%	7.7%	4.5%	19.0%	13.4%	10.0%
Math & Comp. Sci.	-8.3%	3.1%	17.8%	-5.8%	2.0%	18.7%	-11.9%	5.0%	22.7%
Physical & Earth Sci.	14.8%	-1.5%	15.9%	20.7%	-2.6%	10.8%	8.4%	0.3%	26.7%
Public Admin. & Svcs.	-7.9%	1.7%	4.1%	-20.8%	0.4%	1.6%	-2.4%	3.2%	5.3%
Social & Behav. Sci.	18.7%	8.8%	6.9%	-6.7%	2.1%	2.1%	21.1%	13.3%	7.6%
Other Fields	-4.0%	14.4%	9.4%	-12.5%	13.8%	12.6%	2.3%	14.7%	7.8%

TABLE C.29 MASTER'S DEGREES AWARDED BY BROAD FIELD AND GENDER, 2011-12 TO 2021-22

Broad Field	Total			Men			Women		
	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22
Total	0.9%	1.6%	1.2%	-2.2%	-0.3%	0.7%	3.1%	2.9%	1.6%
Arts & Humanities	-1.9%	-1.7%	-2.3%	-4.6%	-3.2%	-2.6%	-0.1%	-0.6%	-2.0%
Bio. & Agric. Sci.	6.1%	3.6%	3.9%	0.0%	0.0%	1.3%	10.0%	6.1%	6.1%
Business	7.6%	4.7%	2.9%	6.0%	3.0%	1.5%	11.3%	7.2%	4.9%
Education	0.2%	0.0%	-1.6%	-3.6%	-1.5%	-2.4%	1.1%	0.3%	-1.3%
Engineering	-10.4%	-4.2%	0.0%	-10.2%	-4.9%	-0.8%	-10.5%	-2.1%	2.5%
Health Sciences	3.6%	3.0%	4.9%	1.0%	2.0%	4.4%	4.3%	3.3%	5.0%
Math & Comp. Sci.	-8.1%	1.8%	10.9%	-7.0%	1.5%	10.0%	-10.1%	2.5%	13.2%
Physical & Earth Sci.	6.2%	-1.0%	0.5%	4.6%	-2.4%	-0.5%	8.2%	0.2%	2.0%
Public Admin. & Svcs.	0.3%	2.2%	1.5%	-1.8%	0.3%	-0.3%	0.8%	2.7%	2.0%
Social & Behav. Sci.	2.7%	1.1%	0.4%	0.0%	-0.7%	-1.0%	5.2%	2.3%	1.3%
Other Fields	12.6%	4.4%	2.3%	12.6%	3.4%	1.7%	12.6%	5.0%	2.7%

TABLE C.30 DOCTORAL DEGREES AWARDED BY BROAD FIELD AND GENDER, 2011-12 TO 2021-22

Broad Field	Total			Men			Women		
	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22	% Change, '20-21 to '21-22	Average Annual % Change, '16-17 to '21-22	Average Annual % Change, '11-12 to '21-22
Total	3.0%	1.5%	2.5%	-0.4%	0.4%	1.6%	6.0%	2.5%	3.4%
Arts & Humanities	4.0%	-2.8%	-1.5%	0.6%	-2.8%	-1.3%	7.2%	-2.8%	-1.7%
Bio. & Agric. Sci.	7.7%	1.0%	0.9%	6.1%	0.3%	0.6%	8.9%	1.7%	1.2%
Business	-10.7%	1.8%	4.0%	-12.6%	1.4%	3.8%	-8.1%	2.5%	4.3%
Education	5.7%	-0.3%	1.3%	-0.9%	-1.5%	0.3%	8.6%	0.3%	1.7%
Engineering	5.2%	3.0%	3.4%	7.7%	2.2%	2.8%	-1.2%	5.4%	5.5%
Health Sciences	0.6%	3.9%	7.4%	-4.8%	1.6%	6.7%	2.7%	4.8%	7.7%
Math & Comp. Sci.	8.8%	4.0%	3.7%	8.2%	3.1%	3.3%	10.4%	6.5%	5.2%
Physical & Earth Sci.	10.0%	0.2%	1.3%	10.2%	-0.7%	0.8%	9.8%	1.7%	2.2%
Public Admin. & Svcs.	-3.8%	3.7%	4.1%	-4.6%	1.3%	2.2%	-3.4%	5.2%	5.2%
Social & Behav. Sci.	6.5%	-0.5%	0.2%	0.9%	-1.9%	-0.6%	10.3%	0.6%	0.7%
Other Fields	-9.1%	0.4%	-0.6%	-19.6%	-0.7%	-1.4%	0.7%	1.4%	0.1%

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: SURVEY INSTRUMENT

CGS/GRE® Survey of Graduate Enrollment and Degrees

2022 _____ Data Sheet

Institution Name: _____ GRE Institution Code: _____

I. Graduate Enrollment for 2022 Fall Term						
	Men	First Time Women	Total	Total (Includes First Time)		
				Men	Women	Total
Master's and Other *						
Doctorate						
Total						
Full Time						
Part Time						
Total						

II. Number of Degrees Conferred between July 1, 2020, and June 30, 2022			
	Men	Women	Total
Master's and Other *			
Doctorate			
Graduate Certificate			

III. Number of Completed Applications Submitted for 2022 Fall Term			
	Master's and Other*	Doctorate	Total
Accepted			
Not Accepted			
Total			

IV. Graduate Enrollment by Race/Ethnicity for 2022 Fall Term							
		Men	First-Time Women	Total	Total (Includes First Time)		
					Men	Women	Total
Non-Resident Aliens (Temporary Residents)							
U.S. Citizens and Permanent Residents	Hispanic/Latino (of any race)						
	American Indian/Alaskan Native						
	Asian						
	Black/African American						
	Native Hawaiian/Other Pacific Islander						
	White						
	Two or More Races						
Race/Ethnicity Unknown							
Citizenship Unknown							
Total							

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

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