

TABLE 4-3

Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2020

(Number and percent)

Detailed field	All graduate students								Master's students								Doctoral students							
	Total		Full time				Part time		Total		Full time				Part time		Total		Full time				Part time	
			All full time		First time, full time						All full time		First time, full time						All full time		First time, full time			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All detailed fields	697,813	100.0	491,515	100.0	143,269	100.0	206,298	100.0	414,478	100.0	243,859	100.0	102,096	100.0	170,619	100.0	283,335	100.0	247,656	100.0	41,173	100.0	35,679	100.0
Science	464,646	66.6	330,541	67.2	95,699	66.8	134,105	65.0	267,904	64.6	155,502	63.8	65,885	64.5	112,402	65.9	196,742	69.4	175,039	70.7	29,814	72.4	21,703	60.8
Agricultural and veterinary sciences	10,800	1.5	7,271	1.5	1,730	1.2	3,529	1.7	6,487	1.6	3,731	1.5	1,291	1.3	2,756	1.6	4,313	1.5	3,540	1.4	439	1.1	773	2.2
Agricultural sciences	9,380	1.3	6,485	1.3	1,526	1.1	2,895	1.4	5,589	1.3	3,402	1.4	1,157	1.1	2,187	1.3	3,791	1.3	3,083	1.2	369	0.9	708	2.0
Veterinary biomedical and clinical sciences	1,420	0.2	786	0.2	204	0.1	634	0.3	898	0.2	329	0.1	134	0.1	569	0.3	522	0.2	457	0.2	70	0.2	65	0.2
Biological and biomedical sciences	94,825	13.6	77,580	15.8	23,141	16.2	17,245	8.4	39,920	9.6	26,473	10.9	14,311	14.0	13,447	7.9	54,905	19.4	51,107	20.6	8,830	21.4	3,798	10.6
Biochemistry	5,537	0.8	4,950	1.0	1,079	0.8	587	0.3	889	0.2	613	0.3	354	0.3	276	0.2	4,648	1.6	4,337	1.8	725	1.8	311	0.9
Biology	15,649	2.2	11,094	2.3	3,140	2.2	4,555	2.2	8,381	2.0	4,504	1.8	2,023	2.0	3,877	2.3	7,268	2.6	6,590	2.7	1,117	2.7	678	1.9
Biomedical sciences	10,412	1.5	9,357	1.9	4,518	3.2	1,055	0.5	5,898	1.4	5,097	2.1	3,494	3.4	801	0.5	4,514	1.6	4,260	1.7	1,024	2.5	254	0.7
Biophysics	868	0.1	852	0.2	138	0.1	16	*	8	*	7	*	2	*	1	*	860	0.3	845	0.3	136	0.3	15	*
Biostatistics and bioinformatics	6,482	0.9	5,285	1.1	1,654	1.2	1,197	0.6	3,143	0.8	2,256	0.9	1,140	1.1	887	0.5	3,339	1.2	3,029	1.2	514	1.2	310	0.9
Biotechnology	3,244	0.5	1,392	0.3	573	0.4	1,852	0.9	3,143	0.8	1,296	0.5	558	0.5	1,847	1.1	101	*	96	*	15	*	5	*
Botany and plant biology	1,631	0.2	1,487	0.3	270	0.2	144	0.1	376	0.1	319	0.1	93	0.1	57	*	1,255	0.4	1,168	0.5	177	0.4	87	0.2
Cell, cellular biology, and anatomical sciences	5,962	0.9	5,554	1.1	1,260	0.9	408	0.2	954	0.2	756	0.3	457	0.4	198	0.1	5,008	1.8	4,798	1.9	803	2.0	210	0.6
Ecology and population biology	3,777	0.5	3,133	0.6	670	0.5	644	0.3	1,052	0.3	717	0.3	287	0.3	335	0.2	2,725	1.0	2,416	1.0	383	0.9	309	0.9
Epidemiology	5,185	0.7	4,109	0.8	1,575	1.1	1,076	0.5	3,153	0.8	2,405	1.0	1,260	1.2	748	0.4	2,032	0.7	1,704	0.7	315	0.8	328	0.9
Genetics	2,802	0.4	2,606	0.5	515	0.4	196	0.1	620	0.1	506	0.2	267	0.3	114	0.1	2,182	0.8	2,100	0.8	248	0.6	82	0.2
Microbiological sciences and immunology	5,773	0.8	4,674	1.0	921	0.6	1,099	0.5	1,649	0.4	744	0.3	359	0.4	905	0.5	4,124	1.5	3,930	1.6	562	1.4	194	0.5
Molecular biology	1,618	0.2	1,390	0.3	345	0.2	228	0.1	378	0.1	230	0.1	133	0.1	148	0.1	1,240	0.4	1,160	0.5	212	0.5	80	0.2
Neurobiology and neuroscience	5,820	0.8	5,568	1.1	1,070	0.7	252	0.1	545	0.1	409	0.2	219	0.2	136	0.1	5,275	1.9	5,159	2.1	851	2.1	116	0.3
Nutrition science	3,359	0.5	2,436	0.5	918	0.6	923	0.4	2,370	0.6	1,574	0.6	783	0.8	796	0.5	989	0.3	862	0.3	135	0.3	127	0.4
Pathology and experimental pathology	858	0.1	801	0.2	157	0.1	57	*	105	*	87	*	53	0.1	18	*	753	0.3	714	0.3	104	0.3	39	0.1
Pharmacology and toxicology	2,944	0.4	2,468	0.5	504	0.4	476	0.2	770	0.2	391	0.2	213	0.2	379	0.2	2,174	0.8	2,077	0.8	291	0.7	97	0.3
Physiology	5,802	0.8	4,809	1.0	1,691	1.2	993	0.5	3,044	0.7	2,245	0.9	1,328	1.3	799	0.5	2,758	1.0	2,564	1.0	363	0.9	194	0.5
Zoology and animal biology	2,047	0.3	1,607	0.3	329	0.2	440	0.2	869	0.2	570	0.2	159	0.2	299	0.2	1,178	0.4	1,037	0.4	170	0.4	141	0.4
Biological and biomedical sciences nec	5,055	0.7	4,008	0.8	1,814	1.3	1,047	0.5	2,573	0.6	1,747	0.7	1,129	1.1	826	0.5	2,482	0.9	2,261	0.9	685	1.7	221	0.6
Computer and information sciences	98,864	14.2	55,402	11.3	15,037	10.5	43,462	21.1	80,690	19.5	39,929	16.4	12,547	12.3	40,761	23.9	18,174	6.4	15,473	6.2	2,490	6.0	2,701	7.6

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	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Artificial intelligence, informatics, and computer and information science topics	4,375	0.6	2,765	0.6	1,031	0.7	1,610	0.8	3,419	0.8	1,919	0.8	891	0.9	1,500	0.9	956	0.3	846	0.3	140	0.3	110	0.3
Computer and information sciences	29,107	4.2	13,486	2.7	3,186	2.2	15,621	7.6	23,625	5.7	8,932	3.7	2,506	2.5	14,693	8.6	5,482	1.9	4,554	1.8	680	1.7	928	2.6
Computer and information systems security	7,293	1.0	2,079	0.4	735	0.5	5,214	2.5	7,023	1.7	1,968	0.8	696	0.7	5,055	3.0	270	0.1	111	*	39	0.1	159	0.4
Computer science	32,328	4.6	23,463	4.8	5,781	4.0	8,865	4.3	22,670	5.5	14,859	6.1	4,421	4.3	7,811	4.6	9,658	3.4	8,604	3.5	1,360	3.3	1,054	3.0
Information science and studies	12,916	1.9	6,183	1.3	2,032	1.4	6,733	3.3	11,671	2.8	5,241	2.1	1,832	1.8	6,430	3.8	1,245	0.4	942	0.4	200	0.5	303	0.8
Information technology	6,023	0.9	3,276	0.7	1,070	0.7	2,747	1.3	5,618	1.4	2,946	1.2	1,013	1.0	2,672	1.6	405	0.1	330	0.1	57	0.1	75	0.2
Computer and information sciences nec	6,822	1.0	4,150	0.8	1,202	0.8	2,672	1.3	6,664	1.6	4,064	1.7	1,188	1.2	2,600	1.5	158	0.1	86	*	14	*	72	0.2
Geosciences, atmospheric sciences, and ocean sciences	11,792	1.7	9,456	1.9	2,470	1.7	2,336	1.1	5,277	1.3	3,649	1.5	1,494	1.5	1,628	1.0	6,515	2.3	5,807	2.3	976	2.4	708	2.0
Atmospheric sciences and meteorology	1,305	0.2	1,156	0.2	251	0.2	149	0.1	458	0.1	398	0.2	146	0.1	60	*	847	0.3	758	0.3	105	0.3	89	0.2
Geological and earth sciences	7,726	1.1	6,004	1.2	1,582	1.1	1,722	0.8	3,561	0.9	2,316	0.9	950	0.9	1,245	0.7	4,165	1.5	3,688	1.5	632	1.5	477	1.3
Ocean and marine sciences	2,761	0.4	2,296	0.5	637	0.4	465	0.2	1,258	0.3	935	0.4	398	0.4	323	0.2	1,503	0.5	1,361	0.5	239	0.6	142	0.4
Geosciences, atmospheric sciences, and ocean sciences nec	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Mathematics and statistics	31,971	4.6	24,041	4.9	7,590	5.3	7,930	3.8	18,284	4.4	11,622	4.8	5,329	5.2	6,662	3.9	13,687	4.8	12,419	5.0	2,261	5.5	1,268	3.6
Applied mathematics	8,889	1.3	7,032	1.4	2,763	1.9	1,857	0.9	6,678	1.6	5,011	2.1	2,411	2.4	1,667	1.0	2,211	0.8	2,021	0.8	352	0.9	190	0.5
Mathematics	12,469	1.8	9,558	1.9	2,313	1.6	2,911	1.4	4,380	1.1	2,206	0.9	947	0.9	2,174	1.3	8,089	2.9	7,352	3.0	1,366	3.3	737	2.1
Statistics	10,613	1.5	7,451	1.5	2,514	1.8	3,162	1.5	7,226	1.7	4,405	1.8	1,971	1.9	2,821	1.7	3,387	1.2	3,046	1.2	543	1.3	341	1.0
Multidisciplinary and interdisciplinary studies	14,533	2.1	9,039	1.8	3,507	2.4	5,494	2.7	10,980	2.6	6,169	2.5	2,929	2.9	4,811	2.8	3,553	1.3	2,870	1.2	578	1.4	683	1.9
Biological and physical sciences	1,808	0.3	1,484	0.3	571	0.4	324	0.2	993	0.2	754	0.3	419	0.4	239	0.1	815	0.3	730	0.3	152	0.4	85	0.2
Computational science	2,266	0.3	1,056	0.2	421	0.3	1,210	0.6	1,968	0.5	824	0.3	378	0.4	1,144	0.7	298	0.1	232	0.1	43	0.1	66	0.2
Data science and data analytics	2,166	0.3	1,174	0.2	456	0.3	992	0.5	2,124	0.5	1,135	0.5	442	0.4	989	0.6	42	*	39	*	14	*	3	*
International and global studies	1,514	0.2	926	0.2	399	0.3	588	0.3	1,341	0.3	800	0.3	378	0.4	541	0.3	173	0.1	126	0.1	21	0.1	47	0.1
Multidisciplinary and interdisciplinary studies nec	6,779	1.0	4,399	0.9	1,660	1.2	2,380	1.2	4,554	1.1	2,656	1.1	1,312	1.3	1,898	1.1	2,225	0.8	1,743	0.7	348	0.8	482	1.4
Natural resources and conservation	12,498	1.8	8,448	1.7	2,849	2.0	4,050	2.0	8,793	2.1	5,536	2.3	2,417	2.4	3,257	1.9	3,705	1.3	2,912	1.2	432	1.0	793	2.2
Environmental science and studies	5,866	0.8	3,983	0.8	1,484	1.0	1,883	0.9	4,067	1.0	2,579	1.1	1,256	1.2	1,488	0.9	1,799	0.6	1,404	0.6	228	0.6	395	1.1

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Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2020

(Number and percent)

Detailed field	All graduate students								Master's students								Doctoral students							
	Total		Full time				Part time		Total		Full time				Part time		Total		Full time				Part time	
			All full time		First time, full time						All full time		First time, full time						All full time		First time, full time			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Forestry, natural resources, and conservation	6,632	1.0	4,465	0.9	1,365	1.0	2,167	1.1	4,726	1.1	2,957	1.2	1,161	1.1	1,769	1.0	1,906	0.7	1,508	0.6	204	0.5	398	1.1
Physical sciences	42,616	6.1	37,638	7.7	7,012	4.9	4,978	2.4	6,275	1.5	3,686	1.5	1,430	1.4	2,589	1.5	36,341	12.8	33,952	13.7	5,582	13.6	2,389	6.7
Astronomy and astrophysics	1,506	0.2	1,438	0.3	275	0.2	68	*	76	*	48	*	21	*	28	*	1,430	0.5	1,390	0.6	254	0.6	40	0.1
Chemistry	22,485	3.2	20,033	4.1	3,734	2.6	2,452	1.2	3,096	0.7	1,816	0.7	679	0.7	1,280	0.8	19,389	6.8	18,217	7.4	3,055	7.4	1,172	3.3
Materials sciences	1,492	0.2	1,276	0.3	233	0.2	216	0.1	464	0.1	302	0.1	102	0.1	162	0.1	1,028	0.4	974	0.4	131	0.3	54	0.2
Physics	16,126	2.3	14,271	2.9	2,603	1.8	1,855	0.9	2,141	0.5	1,317	0.5	539	0.5	824	0.5	13,985	4.9	12,954	5.2	2,064	5.0	1,031	2.9
Physical sciences nec	1,007	0.1	620	0.1	167	0.1	387	0.2	498	0.1	203	0.1	89	0.1	295	0.2	509	0.2	417	0.2	78	0.2	92	0.3
Psychology	68,394	9.8	46,168	9.4	14,706	10.3	22,226	10.8	47,279	11.4	28,716	11.8	11,226	11.0	18,563	10.9	21,115	7.5	17,452	7.0	3,480	8.5	3,663	10.3
Applied psychology	22,506	3.2	13,379	2.7	4,929	3.4	9,127	4.4	17,673	4.3	10,018	4.1	4,246	4.2	7,655	4.5	4,833	1.7	3,361	1.4	683	1.7	1,472	4.1
Clinical psychology	7,148	1.0	5,217	1.1	1,364	1.0	1,931	0.9	3,480	0.8	2,141	0.9	737	0.7	1,339	0.8	3,668	1.3	3,076	1.2	627	1.5	592	1.7
Counseling psychology	17,339	2.5	11,050	2.2	3,353	2.3	6,289	3.0	15,979	3.9	10,010	4.1	3,118	3.1	5,969	3.5	1,360	0.5	1,040	0.4	235	0.6	320	0.9
Human development	2,241	0.3	1,414	0.3	528	0.4	827	0.4	1,499	0.4	842	0.3	411	0.4	657	0.4	742	0.3	572	0.2	117	0.3	170	0.5
Psychology, general	13,427	1.9	10,360	2.1	3,356	2.3	3,067	1.5	6,826	1.6	4,592	1.9	2,177	2.1	2,234	1.3	6,601	2.3	5,768	2.3	1,179	2.9	833	2.3
Research and experimental psychology	5,733	0.8	4,748	1.0	1,176	0.8	985	0.5	1,822	0.4	1,113	0.5	537	0.5	709	0.4	3,911	1.4	3,635	1.5	639	1.6	276	0.8
Social sciences	78,353	11.2	55,498	11.3	17,657	12.3	22,855	11.1	43,919	10.6	25,991	10.7	12,911	12.6	17,928	10.5	34,434	12.2	29,507	11.9	4,746	11.5	4,927	13.8
Agricultural and natural resource economics	1,242	0.2	1,031	0.2	301	0.2	211	0.1	603	0.1	466	0.2	202	0.2	137	0.1	639	0.2	565	0.2	99	0.2	74	0.2
Anthropology	6,463	0.9	5,066	1.0	1,125	0.8	1,397	0.7	2,167	0.5	1,375	0.6	647	0.6	792	0.5	4,296	1.5	3,691	1.5	478	1.2	605	1.7
Area, ethnic, cultural, gender, and group studies	5,124	0.7	3,838	0.8	1,179	0.8	1,286	0.6	2,642	0.6	1,813	0.7	873	0.9	829	0.5	2,482	0.9	2,025	0.8	306	0.7	457	1.3
Criminal justice and safety studies	6,662	1.0	3,159	0.6	1,313	0.9	3,503	1.7	5,674	1.4	2,417	1.0	1,142	1.1	3,257	1.9	988	0.3	742	0.3	171	0.4	246	0.7
Criminology	1,626	0.2	932	0.2	391	0.3	694	0.3	1,308	0.3	672	0.3	353	0.3	636	0.4	318	0.1	260	0.1	38	0.1	58	0.2
Economics (except agricultural and natural resource)	14,073	2.0	11,786	2.4	3,518	2.5	2,287	1.1	6,114	1.5	4,429	1.8	2,272	2.2	1,685	1.0	7,959	2.8	7,357	3.0	1,246	3.0	602	1.7
Geography and cartography	4,397	0.6	2,758	0.6	844	0.6	1,639	0.8	2,745	0.7	1,391	0.6	629	0.6	1,354	0.8	1,652	0.6	1,367	0.6	215	0.5	285	0.8
International relations and national security studies	7,730	1.1	4,709	1.0	2,197	1.5	3,021	1.5	7,322	1.8	4,379	1.8	2,142	2.1	2,943	1.7	408	0.1	330	0.1	55	0.1	78	0.2
Linguistics	2,850	0.4	2,189	0.4	522	0.4	661	0.3	1,164	0.3	672	0.3	281	0.3	492	0.3	1,686	0.6	1,517	0.6	241	0.6	169	0.5
Political science and government	8,438	1.2	6,243	1.3	1,537	1.1	2,195	1.1	3,072	0.7	1,485	0.6	767	0.8	1,587	0.9	5,366	1.9	4,758	1.9	770	1.9	608	1.7
Public policy analysis	8,899	1.3	6,086	1.2	2,580	1.8	2,813	1.4	6,352	1.5	4,373	1.8	2,240	2.2	1,979	1.2	2,547	0.9	1,713	0.7	340	0.8	834	2.3

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Sociology and population studies	7,409	1.1	5,659	1.2	1,325	0.9	1,750	0.8	2,342	0.6	1,271	0.5	653	0.6	1,071	0.6	5,067	1.8	4,388	1.8	672	1.6	679	1.9
Urban studies and affairs	1,312	0.2	651	0.1	268	0.2	661	0.3	907	0.2	409	0.2	226	0.2	498	0.3	405	0.1	242	0.1	42	0.1	163	0.5
Social sciences, other	2,128	0.3	1,391	0.3	557	0.4	737	0.4	1,507	0.4	839	0.3	484	0.5	668	0.4	621	0.2	552	0.2	73	0.2	69	0.2
Engineering	157,729	22.6	111,240	22.6	27,995	19.5	46,489	22.5	86,450	20.9	49,179	20.2	18,668	18.3	37,271	21.8	71,279	25.2	62,061	25.1	9,327	22.7	9,218	25.8
Aerospace, aeronautical, and astronautical engineering	6,971	1.0	4,599	0.9	1,301	0.9	2,372	1.1	4,326	1.0	2,298	0.9	943	0.9	2,028	1.2	2,645	0.9	2,301	0.9	358	0.9	344	1.0
Biological, biomedical, and biosystems engineering	12,775	1.8	11,075	2.3	3,295	2.3	1,700	0.8	4,536	1.1	3,416	1.4	1,882	1.8	1,120	0.7	8,239	2.9	7,659	3.1	1,413	3.4	580	1.6
Chemical, petroleum, and chemical-related engineering	10,554	1.5	9,030	1.8	2,019	1.4	1,524	0.7	2,942	0.7	1,898	0.8	778	0.8	1,044	0.6	7,612	2.7	7,132	2.9	1,241	3.0	480	1.3
Chemical engineering	9,457	1.4	8,171	1.7	1,855	1.3	1,286	0.6	2,426	0.6	1,554	0.6	701	0.7	872	0.5	7,031	2.5	6,617	2.7	1,154	2.8	414	1.2
Petroleum engineering	1,097	0.2	859	0.2	164	0.1	238	0.1	516	0.1	344	0.1	77	0.1	172	0.1	581	0.2	515	0.2	87	0.2	66	0.2
Civil, environmental, transportation and related engineering fields	18,304	2.6	12,861	2.6	3,453	2.4	5,443	2.6	10,819	2.6	6,487	2.7	2,583	2.5	4,332	2.5	7,485	2.6	6,374	2.6	870	2.1	1,111	3.1
Civil engineering	15,220	2.2	10,778	2.2	2,920	2.0	4,442	2.2	8,703	2.1	5,241	2.1	2,174	2.1	3,462	2.0	6,517	2.3	5,537	2.2	746	1.8	980	2.7
Architectural, environmental, construction and surveying engineering	3,084	0.4	2,083	0.4	533	0.4	1,001	0.5	2,116	0.5	1,246	0.5	409	0.4	870	0.5	968	0.3	837	0.3	124	0.3	131	0.4
Electrical, electronics, communications and computer engineering	43,032	6.2	30,503	6.2	6,640	4.6	12,529	6.1	25,312	6.1	15,329	6.3	4,716	4.6	9,983	5.9	17,720	6.3	15,174	6.1	1,924	4.7	2,546	7.1
Electrical, electronics, and communications engineering	31,440	4.5	22,164	4.5	4,745	3.3	9,276	4.5	16,746	4.0	9,588	3.9	3,147	3.1	7,158	4.2	14,694	5.2	12,576	5.1	1,598	3.9	2,118	5.9
Computer engineering	11,592	1.7	8,339	1.7	1,895	1.3	3,253	1.6	8,566	2.1	5,741	2.4	1,569	1.5	2,825	1.7	3,026	1.1	2,598	1.0	326	0.8	428	1.2
Industrial, manufacturing, systems engineering and operations research	14,869	2.1	7,728	1.6	2,398	1.7	7,141	3.5	11,030	2.7	4,820	2.0	1,953	1.9	6,210	3.6	3,839	1.4	2,908	1.2	445	1.1	931	2.6
Industrial and manufacturing engineering	7,982	1.1	4,702	1.0	1,253	0.9	3,280	1.6	5,569	1.3	2,810	1.2	976	1.0	2,759	1.6	2,413	0.9	1,892	0.8	277	0.7	521	1.5
Systems engineering and operations research	6,887	1.0	3,026	0.6	1,145	0.8	3,861	1.9	5,461	1.3	2,010	0.8	977	1.0	3,451	2.0	1,426	0.5	1,016	0.4	168	0.4	410	1.1
Mechanical engineering	25,782	3.7	18,680	3.8	4,785	3.3	7,102	3.4	14,305	3.5	8,461	3.5	3,343	3.3	5,844	3.4	11,477	4.1	10,219	4.1	1,442	3.5	1,258	3.5
Metallurgical, mining, materials and related engineering fields	7,181	1.0	6,063	1.2	1,412	1.0	1,118	0.5	2,299	0.6	1,566	0.6	690	0.7	733	0.4	4,882	1.7	4,497	1.8	722	1.8	385	1.1
Other engineering	18,261	2.6	10,701	2.2	2,692	1.9	7,560	3.7	10,881	2.6	4,904	2.0	1,780	1.7	5,977	3.5	7,380	2.6	5,797	2.3	912	2.2	1,583	4.4

TABLE 4-3

Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2020

(Number and percent)

Detailed field	All graduate students									Master's students						Doctoral students								
	Total		Full time				Part time		Total		Full time				Part time		Total		Full time				Part time	
			All full time		First time, full time						All full time		First time, full time						All full time		First time, full time			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Agricultural engineering	1,058	0.2	833	0.2	133	0.1	225	0.1	404	0.1	282	0.1	75	0.1	122	0.1	654	0.2	551	0.2	58	0.1	103	0.3
Engineering mechanics, physics, and science	2,208	0.3	1,810	0.4	428	0.3	398	0.2	740	0.2	470	0.2	217	0.2	270	0.2	1,468	0.5	1,340	0.5	211	0.5	128	0.4
Nuclear engineering	1,479	0.2	1,144	0.2	215	0.2	335	0.2	441	0.1	304	0.1	110	0.1	137	0.1	1,038	0.4	840	0.3	105	0.3	198	0.6
Engineering, other	13,516	1.9	6,914	1.4	1,916	1.3	6,602	3.2	9,296	2.2	3,848	1.6	1,378	1.3	5,448	3.2	4,220	1.5	3,066	1.2	538	1.3	1,154	3.2
Health	75,438	10.8	49,734	10.1	19,575	13.7	25,704	12.5	60,124	14.5	39,178	16.1	17,543	17.2	20,946	12.3	15,314	5.4	10,556	4.3	2,032	4.9	4,758	13.3
Clinical medicine ^a	34,544	5.0	20,528	4.2	8,911	6.2	14,016	6.8	29,748	7.2	17,186	7.0	8,213	8.0	12,562	7.4	4,796	1.7	3,342	1.3	698	1.7	1,454	4.1
Medical clinical sciences and clinical and medical laboratory sciences	1,370	0.2	786	0.2	362	0.3	584	0.3	927	0.2	497	0.2	286	0.3	430	0.3	443	0.2	289	0.1	76	0.2	154	0.4
Public health	33,174	4.8	19,742	4.0	8,549	6.0	13,432	6.5	28,821	7.0	16,689	6.8	7,927	7.8	12,132	7.1	4,353	1.5	3,053	1.2	622	1.5	1,300	3.6
Anesthesiology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Cardiology and cardiovascular disease	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Endocrinology, diabetes, and metabolism	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Gastroenterology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Hematology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Neurology and neurosurgery	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Obstetrics and gynecology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Oncology and cancer research	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Ophthalmology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Otorhinolaryngology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Pediatrics	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Psychiatry	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Pulmonary disease	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Radiological sciences	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Surgery	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Clinical medicine nec	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Other health	40,894	5.9	29,206	5.9	10,664	7.4	11,688	5.7	30,376	7.3	21,992	9.0	9,330	9.1	8,384	4.9	10,518	3.7	7,214	2.9	1,334	3.2	3,304	9.3
Communication disorders sciences	17,606	2.5	15,468	3.1	6,327	4.4	2,138	1.0	16,762	4.0	14,708	6.0	6,197	6.1	2,054	1.2	844	0.3	760	0.3	130	0.3	84	0.2
Dental sciences	1,583	0.2	1,428	0.3	359	0.3	155	0.1	1,366	0.3	1,230	0.5	330	0.3	136	0.1	217	0.1	198	0.1	29	0.1	19	0.1
Kinesiology and exercise science	6,001	0.9	3,986	0.8	1,748	1.2	2,015	1.0	4,977	1.2	3,221	1.3	1,631	1.6	1,756	1.0	1,024	0.4	765	0.3	117	0.3	259	0.7

TABLE 4-3

Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2020

(Number and percent)

Detailed field	All graduate students								Master's students								Doctoral students							
	Total		Full time				Part time		Total		Full time				Part time		Total		Full time				Part time	
			All full time		First time, full time						All full time		First time, full time						All full time		First time, full time			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Nursing science	4,847	0.7	2,041	0.4	426	0.3	2,806	1.4	1,488	0.4	256	0.1	51	*	1,232	0.7	3,359	1.2	1,785	0.7	375	0.9	1,574	4.4
Pharmaceutical sciences	4,512	0.6	3,294	0.7	732	0.5	1,218	0.6	1,619	0.4	828	0.3	295	0.3	791	0.5	2,893	1.0	2,466	1.0	437	1.1	427	1.2
Other health nec	6,345	0.9	2,989	0.6	1,072	0.7	3,356	1.6	4,164	1.0	1,749	0.7	826	0.8	2,415	1.4	2,181	0.8	1,240	0.5	246	0.6	941	2.6

* = value < 0.05%; ne = not eligible.

nec = not elsewhere classified.

^a Clinical medicine includes graduate students in public health and in medical clinical sciences and clinical and medical laboratory sciences.**Note(s):**

Percentages may not add to total because of rounding. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering fields and codes, see technical table A-17.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2020.