

TABLE 4-3

Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2022

(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	798,534	100.0	579,301	100.0	194,733	100.0	219,233	100.0	501,311	100.0	319,618	100.0	147,317	100.0	181,693	100.0	297,223	100.0	259,683	100.0	47,416	100.0	37,540	100.0
Science	538,166	67.4	392,192	67.7	130,265	66.9	145,974	66.6	331,983	66.2	208,749	65.3	96,349	65.4	123,234	67.8	206,183	69.4	183,443	70.6	33,916	71.5	22,740	60.6
Agricultural and veterinary sciences	11,596	1.5	8,035	1.4	2,205	1.1	3,561	1.6	6,949	1.4	4,143	1.3	1,534	1.0	2,806	1.5	4,647	1.6	3,892	1.5	671	1.4	755	2.0
Agricultural sciences	10,310	1.3	7,291	1.3	2,000	1.0	3,019	1.4	6,165	1.2	3,831	1.2	1,406	1.0	2,334	1.3	4,145	1.4	3,460	1.3	594	1.3	685	1.8
Veterinary biomedical and clinical sciences	1,286	0.2	744	0.1	205	0.1	542	0.2	784	0.2	312	0.1	128	0.1	472	0.3	502	0.2	432	0.2	77	0.2	70	0.2
Biological and biomedical sciences	102,700	12.9	83,617	14.4	24,054	12.4	19,083	8.7	43,062	8.6	27,987	8.8	13,871	9.4	15,075	8.3	59,638	20.1	55,630	21.4	10,183	21.5	4,008	10.7
Biochemistry	5,905	0.7	5,330	0.9	1,126	0.6	575	0.3	911	0.2	638	0.2	334	0.2	273	0.2	4,994	1.7	4,692	1.8	792	1.7	302	0.8
Biology	15,569	1.9	11,222	1.9	3,082	1.6	4,347	2.0	7,969	1.6	4,307	1.3	1,803	1.2	3,662	2.0	7,600	2.6	6,915	2.7	1,279	2.7	685	1.8
Biomedical sciences	10,836	1.4	9,465	1.6	3,930	2.0	1,371	0.6	5,681	1.1	4,565	1.4	2,614	1.8	1,116	0.6	5,155	1.7	4,900	1.9	1,316	2.8	255	0.7
Biophysics	895	0.1	882	0.2	140	0.1	13	*	8	*	7	*	1	*	1	*	887	0.3	875	0.3	139	0.3	12	*
Biostatistics and bioinformatics	7,651	1.0	6,353	1.1	2,124	1.1	1,298	0.6	3,852	0.8	2,871	0.9	1,495	1.0	981	0.5	3,799	1.3	3,482	1.3	629	1.3	317	0.8
Biotechnology	4,021	0.5	2,058	0.4	987	0.5	1,963	0.9	3,916	0.8	1,967	0.6	976	0.7	1,949	1.1	105	*	91	*	11	*	14	*
Botany and plant biology	1,670	0.2	1,537	0.3	299	0.2	133	0.1	369	0.1	322	0.1	109	0.1	47	*	1,301	0.4	1,215	0.5	190	0.4	86	0.2
Cell, cellular biology, and anatomical sciences	6,511	0.8	6,001	1.0	1,345	0.7	510	0.2	1,137	0.2	826	0.3	455	0.3	311	0.2	5,374	1.8	5,175	2.0	890	1.9	199	0.5
Ecology and population biology	3,866	0.5	3,216	0.6	724	0.4	650	0.3	1,058	0.2	729	0.2	261	0.2	329	0.2	2,808	0.9	2,487	1.0	463	1.0	321	0.9
Epidemiology	6,057	0.8	4,594	0.8	1,743	0.9	1,463	0.7	3,844	0.8	2,754	0.9	1,369	0.9	1,090	0.6	2,213	0.7	1,840	0.7	374	0.8	373	1.0
Genetics	3,333	0.4	2,999	0.5	549	0.3	334	0.2	749	0.1	515	0.2	236	0.2	234	0.1	2,584	0.9	2,484	1.0	313	0.7	100	0.3
Microbiological sciences and immunology	6,492	0.8	5,191	0.9	1,071	0.5	1,301	0.6	2,026	0.4	929	0.3	441	0.3	1,097	0.6	4,466	1.5	4,262	1.6	630	1.3	204	0.5
Molecular biology	1,639	0.2	1,414	0.2	346	0.2	225	0.1	408	0.1	257	0.1	130	0.1	151	0.1	1,231	0.4	1,157	0.4	216	0.5	74	0.2
Neurobiology and neuroscience	6,448	0.8	6,151	1.1	1,094	0.6	297	0.1	515	0.1	381	0.1	177	0.1	134	0.1	5,933	2.0	5,770	2.2	917	1.9	163	0.4
Nutrition science	3,955	0.5	2,845	0.5	1,128	0.6	1,110	0.5	2,905	0.6	1,942	0.6	936	0.6	963	0.5	1,050	0.4	903	0.3	192	0.4	147	0.4
Pathology and experimental pathology	1,023	0.1	952	0.2	167	0.1	71	*	106	*	78	*	42	*	28	*	917	0.3	874	0.3	125	0.3	43	0.1
Pharmacology and toxicology	3,405	0.4	2,880	0.5	612	0.3	525	0.2	996	0.2	564	0.2	288	0.2	432	0.2	2,409	0.8	2,316	0.9	324	0.7	93	0.2
Physiology	5,912	0.7	4,917	0.8	1,532	0.8	995	0.5	2,891	0.6	2,072	0.6	1,089	0.7	819	0.5	3,021	1.0	2,845	1.1	443	0.9	176	0.5
Zoology and animal biology	2,059	0.3	1,593	0.3	339	0.2	466	0.2	861	0.2	537	0.2	182	0.1	324	0.2	1,198	0.4	1,056	0.4	157	0.3	142	0.4
Biological and biomedical sciences nec	5,453	0.7	4,017	0.7	1,716	0.9	1,436	0.7	2,860	0.6	1,726	0.5	933	0.6	1,134	0.6	2,593	0.9	2,291	0.9	783	1.7	302	0.8
Computer and information sciences	150,555	18.9	101,252	17.5	43,189	22.2	49,303	22.5	129,972	25.9	83,708	26.2	40,087	27.2	46,264	25.5	20,583	6.9	17,544	6.8	3,102	6.5	3,039	8.1

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Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2022

(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
Artificial intelligence, informatics, and computer and information science topics	6,142	0.8	4,298	0.7	1,901	1.0	1,844	0.8	5,379	1.1	3,675	1.1	1,791	1.2	1,704	0.9	763	0.3	623	0.2	110	0.2	140	0.4
Computer and information sciences	46,151	5.8	28,059	4.8	11,965	6.1	18,092	8.3	39,719	7.9	22,657	7.1	11,040	7.5	17,062	9.4	6,432	2.2	5,402	2.1	925	2.0	1,030	2.7
Computer and information systems security	9,695	1.2	3,733	0.6	1,625	0.8	5,962	2.7	9,254	1.8	3,463	1.1	1,553	1.1	5,791	3.2	441	0.1	270	0.1	72	0.2	171	0.5
Computer science	52,924	6.6	41,924	7.2	16,999	8.7	11,000	5.0	42,092	8.4	32,295	10.1	15,302	10.4	9,797	5.4	10,832	3.6	9,629	3.7	1,697	3.6	1,203	3.2
Information science and studies	16,872	2.1	10,131	1.7	4,638	2.4	6,741	3.1	15,478	3.1	9,097	2.8	4,463	3.0	6,381	3.5	1,394	0.5	1,034	0.4	175	0.4	360	1.0
Information technology	11,151	1.4	7,887	1.4	3,722	1.9	3,264	1.5	10,601	2.1	7,426	2.3	3,619	2.5	3,175	1.7	550	0.2	461	0.2	103	0.2	89	0.2
Computer and information sciences nec	7,620	1.0	5,220	0.9	2,339	1.2	2,400	1.1	7,449	1.5	5,095	1.6	2,319	1.6	2,354	1.3	171	0.1	125	*	20	*	46	0.1
Geosciences, atmospheric sciences, and ocean sciences	11,970	1.5	9,747	1.7	2,394	1.2	2,223	1.0	5,186	1.0	3,621	1.1	1,348	0.9	1,565	0.9	6,784	2.3	6,126	2.4	1,046	2.2	658	1.8
Atmospheric sciences and meteorology	1,434	0.2	1,286	0.2	297	0.2	148	0.1	489	0.1	432	0.1	151	0.1	57	*	945	0.3	854	0.3	146	0.3	91	0.2
Geological and earth sciences	7,468	0.9	5,967	1.0	1,488	0.8	1,501	0.7	3,183	0.6	2,107	0.7	810	0.5	1,076	0.6	4,285	1.4	3,860	1.5	678	1.4	425	1.1
Ocean and marine sciences	3,068	0.4	2,494	0.4	609	0.3	574	0.3	1,514	0.3	1,082	0.3	387	0.3	432	0.2	1,554	0.5	1,412	0.5	222	0.5	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	34,387	4.3	26,598	4.6	9,608	4.9	7,789	3.6	20,798	4.1	14,239	4.5	7,056	4.8	6,559	3.6	13,589	4.6	12,359	4.8	2,552	5.4	1,230	3.3
Applied mathematics	11,224	1.4	9,018	1.6	4,012	2.1	2,206	1.0	9,097	1.8	7,121	2.2	3,650	2.5	1,976	1.1	2,127	0.7	1,897	0.7	362	0.8	230	0.6
Mathematics	12,022	1.5	9,517	1.6	2,456	1.3	2,505	1.1	3,905	0.8	2,067	0.6	858	0.6	1,838	1.0	8,117	2.7	7,450	2.9	1,598	3.4	667	1.8
Statistics	11,141	1.4	8,063	1.4	3,140	1.6	3,078	1.4	7,796	1.6	5,051	1.6	2,548	1.7	2,745	1.5	3,345	1.1	3,012	1.2	592	1.2	333	0.9
Multidisciplinary and interdisciplinary sciences	20,945	2.6	13,048	2.3	5,883	3.0	7,897	3.6	16,931	3.4	9,767	3.1	5,169	3.5	7,164	3.9	4,014	1.4	3,281	1.3	714	1.5	733	2.0
Biological and physical sciences	1,855	0.2	1,562	0.3	660	0.3	293	0.1	899	0.2	673	0.2	416	0.3	226	0.1	956	0.3	889	0.3	244	0.5	67	0.2
Computational science	3,424	0.4	2,095	0.4	1,011	0.5	1,329	0.6	3,089	0.6	1,828	0.6	962	0.7	1,261	0.7	335	0.1	267	0.1	49	0.1	68	0.2
Data science and data analytics	6,104	0.8	2,581	0.4	1,647	0.8	3,523	1.6	6,000	1.2	2,502	0.8	1,611	1.1	3,498	1.9	104	*	79	*	36	0.1	25	0.1
International and global studies	1,258	0.2	909	0.2	338	0.2	349	0.2	1,083	0.2	766	0.2	315	0.2	317	0.2	175	0.1	143	0.1	23	*	32	0.1
Multidisciplinary and interdisciplinary sciences nec	8,304	1.0	5,901	1.0	2,227	1.1	2,403	1.1	5,860	1.2	3,998	1.3	1,865	1.3	1,862	1.0	2,444	0.8	1,903	0.7	362	0.8	541	1.4
Natural resources and conservation	13,762	1.7	9,161	1.6	2,810	1.4	4,601	2.1	9,807	2.0	6,010	1.9	2,317	1.6	3,797	2.1	3,955	1.3	3,151	1.2	493	1.0	804	2.1
Environmental science and studies	6,402	0.8	4,480	0.8	1,538	0.8	1,922	0.9	4,422	0.9	2,864	0.9	1,260	0.9	1,558	0.9	1,980	0.7	1,616	0.6	278	0.6	364	1.0

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(Number and percent)

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			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	7,360	0.9	4,681	0.8	1,272	0.7	2,679	1.2	5,385	1.1	3,146	1.0	1,057	0.7	2,239	1.2	1,975	0.7	1,535	0.6	215	0.5	440	1.2
Physical sciences	44,092	5.5	39,012	6.7	8,334	4.3	5,080	2.3	6,256	1.2	3,726	1.2	1,495	1.0	2,530	1.4	37,836	12.7	35,286	13.6	6,839	14.4	2,550	6.8
Astronomy and astrophysics	1,703	0.2	1,601	0.3	328	0.2	102	*	100	*	61	*	18	*	39	*	1,603	0.5	1,540	0.6	310	0.7	63	0.2
Chemistry	22,710	2.8	20,302	3.5	4,446	2.3	2,408	1.1	3,015	0.6	1,802	0.6	712	0.5	1,213	0.7	19,695	6.6	18,500	7.1	3,734	7.9	1,195	3.2
Materials sciences	1,625	0.2	1,421	0.2	345	0.2	204	0.1	402	0.1	300	0.1	138	0.1	102	0.1	1,223	0.4	1,121	0.4	207	0.4	102	0.3
Physics	17,000	2.1	15,019	2.6	3,015	1.5	1,981	0.9	2,253	0.4	1,347	0.4	532	0.4	906	0.5	14,747	5.0	13,672	5.3	2,483	5.2	1,075	2.9
Physical sciences nec	1,054	0.1	669	0.1	200	0.1	385	0.2	486	0.1	216	0.1	95	0.1	270	0.1	568	0.2	453	0.2	105	0.2	115	0.3
Psychology	69,442	8.7	45,196	7.8	13,945	7.2	24,246	11.1	48,321	9.6	27,861	8.7	10,597	7.2	20,460	11.3	21,121	7.1	17,335	6.7	3,348	7.1	3,786	10.1
Applied psychology	25,195	3.2	13,697	2.4	4,750	2.4	11,498	5.2	20,091	4.0	10,087	3.2	4,032	2.7	10,004	5.5	5,104	1.7	3,610	1.4	718	1.5	1,494	4.0
Clinical psychology	7,793	1.0	5,249	0.9	1,318	0.7	2,544	1.2	4,519	0.9	2,537	0.8	808	0.5	1,982	1.1	3,274	1.1	2,712	1.0	510	1.1	562	1.5
Counseling psychology	13,800	1.7	9,161	1.6	2,854	1.5	4,639	2.1	12,400	2.5	8,122	2.5	2,626	1.8	4,278	2.4	1,400	0.5	1,039	0.4	228	0.5	361	1.0
Human development	2,293	0.3	1,488	0.3	545	0.3	805	0.4	1,525	0.3	895	0.3	425	0.3	630	0.3	768	0.3	593	0.2	120	0.3	175	0.5
Psychology, general	13,181	1.7	9,422	1.6	2,919	1.5	3,759	1.7	7,346	1.5	4,457	1.4	1,965	1.3	2,889	1.6	5,835	2.0	4,965	1.9	954	2.0	870	2.3
Research and experimental psychology	7,180	0.9	6,179	1.1	1,559	0.8	1,001	0.5	2,440	0.5	1,763	0.6	741	0.5	677	0.4	4,740	1.6	4,416	1.7	818	1.7	324	0.9
Social sciences	78,717	9.9	56,526	9.8	17,843	9.2	22,191	10.1	44,701	8.9	27,687	8.7	12,875	8.7	17,014	9.4	34,016	11.4	28,839	11.1	4,968	10.5	5,177	13.8
Agricultural and natural resource economics	901	0.1	709	0.1	224	0.1	192	0.1	485	0.1	339	0.1	160	0.1	146	0.1	416	0.1	370	0.1	64	0.1	46	0.1
Anthropology	6,220	0.8	4,897	0.8	1,138	0.6	1,323	0.6	2,173	0.4	1,392	0.4	606	0.4	781	0.4	4,047	1.4	3,505	1.3	532	1.1	542	1.4
Area, ethnic, cultural, gender, and group studies	4,979	0.6	3,802	0.7	1,204	0.6	1,177	0.5	2,634	0.5	1,876	0.6	904	0.6	758	0.4	2,345	0.8	1,926	0.7	300	0.6	419	1.1
Criminal justice and safety studies	6,613	0.8	3,257	0.6	1,174	0.6	3,356	1.5	5,223	1.0	2,356	0.7	997	0.7	2,867	1.6	1,390	0.5	901	0.3	177	0.4	489	1.3
Criminology	1,502	0.2	908	0.2	359	0.2	594	0.3	1,180	0.2	629	0.2	288	0.2	551	0.3	322	0.1	279	0.1	71	0.1	43	0.1
Economics (except agricultural and natural resource)	14,935	1.9	12,568	2.2	3,977	2.0	2,367	1.1	6,734	1.3	4,984	1.6	2,617	1.8	1,750	1.0	8,201	2.8	7,584	2.9	1,360	2.9	617	1.6
Geography and cartography	4,354	0.5	2,645	0.5	795	0.4	1,709	0.8	2,807	0.6	1,347	0.4	562	0.4	1,460	0.8	1,547	0.5	1,298	0.5	233	0.5	249	0.7
International relations and national security studies	8,164	1.0	5,148	0.9	2,179	1.1	3,016	1.4	7,833	1.6	4,893	1.5	2,131	1.4	2,940	1.6	331	0.1	255	0.1	48	0.1	76	0.2
Linguistics	2,854	0.4	2,162	0.4	527	0.3	692	0.3	1,159	0.2	683	0.2	277	0.2	476	0.3	1,695	0.6	1,479	0.6	250	0.5	216	0.6
Political science and government	8,235	1.0	6,279	1.1	1,542	0.8	1,956	0.9	2,925	0.6	1,530	0.5	704	0.5	1,395	0.8	5,310	1.8	4,749	1.8	838	1.8	561	1.5
Public policy analysis	9,391	1.2	6,473	1.1	2,500	1.3	2,918	1.3	6,701	1.3	4,774	1.5	2,173	1.5	1,927	1.1	2,690	0.9	1,699	0.7	327	0.7	991	2.6
Sociology and population studies	6,845	0.9	5,245	0.9	1,209	0.6	1,600	0.7	2,190	0.4	1,247	0.4	566	0.4	943	0.5	4,655	1.6	3,998	1.5	643	1.4	657	1.8

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Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2022

(Number and percent)

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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
Urban studies and affairs	1,069	0.1	517	0.1	169	0.1	552	0.3	671	0.1	286	0.1	133	0.1	385	0.2	398	0.1	231	0.1	36	0.1	167	0.4
Social sciences, other	2,655	0.3	1,916	0.3	846	0.4	739	0.3	1,986	0.4	1,351	0.4	757	0.5	635	0.3	669	0.2	565	0.2	89	0.2	104	0.3
Engineering	176,000	22.0	130,447	22.5	42,841	22.0	45,553	20.8	103,020	20.6	66,427	20.8	31,912	21.7	36,593	20.1	72,980	24.6	64,020	24.7	10,929	23.0	8,960	23.9
Aerospace, aeronautical, and astronautical engineering	8,095	1.0	5,420	0.9	1,691	0.9	2,675	1.2	5,263	1.0	2,937	0.9	1,316	0.9	2,326	1.3	2,832	1.0	2,483	1.0	375	0.8	349	0.9
Biological, biomedical, and biosystems engineering	14,442	1.8	12,416	2.1	3,797	1.9	2,026	0.9	5,177	1.0	3,834	1.2	2,186	1.5	1,343	0.7	9,265	3.1	8,582	3.3	1,611	3.4	683	1.8
Chemical, petroleum, and chemical-related engineering	10,601	1.3	9,320	1.6	2,355	1.2	1,281	0.6	3,011	0.6	2,099	0.7	1,008	0.7	912	0.5	7,590	2.6	7,221	2.8	1,347	2.8	369	1.0
Chemical engineering	9,668	1.2	8,556	1.5	2,182	1.1	1,112	0.5	2,599	0.5	1,803	0.6	911	0.6	796	0.4	7,069	2.4	6,753	2.6	1,271	2.7	316	0.8
Petroleum engineering	933	0.1	764	0.1	173	0.1	169	0.1	412	0.1	296	0.1	97	0.1	116	0.1	521	0.2	468	0.2	76	0.2	53	0.1
Civil, environmental, transportation and related engineering fields	20,375	2.6	14,920	2.6	4,975	2.6	5,455	2.5	12,621	2.5	8,215	2.6	3,867	2.6	4,406	2.4	7,754	2.6	6,705	2.6	1,108	2.3	1,049	2.8
Civil engineering	16,321	2.0	12,031	2.1	3,965	2.0	4,290	2.0	9,692	1.9	6,276	2.0	3,007	2.0	3,416	1.9	6,629	2.2	5,755	2.2	958	2.0	874	2.3
Architectural, environmental, construction and surveying engineering	4,054	0.5	2,889	0.5	1,010	0.5	1,165	0.5	2,929	0.6	1,939	0.6	860	0.6	990	0.5	1,125	0.4	950	0.4	150	0.3	175	0.5
Electrical, electronics, communications and computer engineering	49,901	6.2	37,882	6.5	13,165	6.8	12,019	5.5	32,316	6.4	22,725	7.1	10,774	7.3	9,591	5.3	17,585	5.9	15,157	5.8	2,391	5.0	2,428	6.5
Electrical, electronics, and communications engineering	34,537	4.3	25,801	4.5	8,036	4.1	8,736	4.0	19,757	3.9	12,983	4.1	6,015	4.1	6,774	3.7	14,780	5.0	12,818	4.9	2,021	4.3	1,962	5.2
Computer engineering	15,364	1.9	12,081	2.1	5,129	2.6	3,283	1.5	12,559	2.5	9,742	3.0	4,759	3.2	2,817	1.6	2,805	0.9	2,339	0.9	370	0.8	466	1.2
Industrial, manufacturing, systems engineering and operations research	16,435	2.1	9,822	1.7	4,183	2.1	6,613	3.0	12,579	2.5	6,920	2.2	3,634	2.5	5,659	3.1	3,856	1.3	2,902	1.1	549	1.2	954	2.5
Industrial and manufacturing engineering	8,650	1.1	6,034	1.0	2,503	1.3	2,616	1.2	6,349	1.3	4,268	1.3	2,188	1.5	2,081	1.1	2,301	0.8	1,766	0.7	315	0.7	535	1.4
Systems engineering and operations research	7,785	1.0	3,788	0.7	1,680	0.9	3,997	1.8	6,230	1.2	2,652	0.8	1,446	1.0	3,578	2.0	1,555	0.5	1,136	0.4	234	0.5	419	1.1
Mechanical engineering	27,552	3.5	20,696	3.6	6,417	3.3	6,856	3.1	16,029	3.2	10,423	3.3	4,801	3.3	5,606	3.1	11,523	3.9	10,273	4.0	1,616	3.4	1,250	3.3
Metallurgical, mining, materials and related engineering fields	7,118	0.9	5,888	1.0	1,448	0.7	1,230	0.6	2,545	0.5	1,667	0.5	743	0.5	878	0.5	4,573	1.5	4,221	1.6	705	1.5	352	0.9
Other engineering	21,481	2.7	14,083	2.4	4,810	2.5	7,398	3.4	13,479	2.7	7,607	2.4	3,583	2.4	5,872	3.2	8,002	2.7	6,476	2.5	1,227	2.6	1,526	4.1
Agricultural engineering	1,020	0.1	835	0.1	191	0.1	185	0.1	389	0.1	291	0.1	105	0.1	98	0.1	631	0.2	544	0.2	86	0.2	87	0.2

TABLE 4-3

Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2022

(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
Engineering mechanics, physics, and science	2,350	0.3	2,030	0.4	561	0.3	320	0.1	762	0.2	542	0.2	274	0.2	220	0.1	1,588	0.5	1,488	0.6	287	0.6	100	0.3
Nuclear engineering	1,578	0.2	1,214	0.2	311	0.2	364	0.2	493	0.1	327	0.1	133	0.1	166	0.1	1,085	0.4	887	0.3	178	0.4	198	0.5
Engineering, other	16,533	2.1	10,004	1.7	3,747	1.9	6,529	3.0	11,835	2.4	6,447	2.0	3,071	2.1	5,388	3.0	4,698	1.6	3,557	1.4	676	1.4	1,141	3.0
Health	84,368	10.6	56,662	9.8	21,627	11.1	27,706	12.6	66,308	13.2	44,442	13.9	19,056	12.9	21,866	12.0	18,060	6.1	12,220	4.7	2,571	5.4	5,840	15.6
Clinical medicine	39,217	4.9	23,215	4.0	9,181	4.7	16,002	7.3	33,251	6.6	19,519	6.1	8,403	5.7	13,732	7.6	5,966	2.0	3,696	1.4	778	1.6	2,270	6.0
Medical clinical sciences and clinical and medical laboratory sciences	2,122	0.3	1,124	0.2	389	0.2	998	0.5	1,168	0.2	638	0.2	289	0.2	530	0.3	954	0.3	486	0.2	100	0.2	468	1.2
Public health	37,095	4.6	22,091	3.8	8,792	4.5	15,004	6.8	32,083	6.4	18,881	5.9	8,114	5.5	13,202	7.3	5,012	1.7	3,210	1.2	678	1.4	1,802	4.8
Other health	45,151	5.7	33,447	5.8	12,446	6.4	11,704	5.3	33,057	6.6	24,923	7.8	10,653	7.2	8,134	4.5	12,094	4.1	8,524	3.3	1,793	3.8	3,570	9.5
Communication disorders sciences	18,589	2.3	16,522	2.9	6,843	3.5	2,067	0.9	17,768	3.5	15,778	4.9	6,695	4.5	1,990	1.1	821	0.3	744	0.3	148	0.3	77	0.2
Dental sciences	1,773	0.2	1,617	0.3	532	0.3	156	0.1	1,545	0.3	1,399	0.4	483	0.3	146	0.1	228	0.1	218	0.1	49	0.1	10	*
Kinesiology and exercise science	5,724	0.7	3,881	0.7	1,633	0.8	1,843	0.8	4,743	0.9	3,132	1.0	1,494	1.0	1,611	0.9	981	0.3	749	0.3	139	0.3	232	0.6
Nursing science	5,192	0.7	2,710	0.5	588	0.3	2,482	1.1	1,535	0.3	721	0.2	203	0.1	814	0.4	3,657	1.2	1,989	0.8	385	0.8	1,668	4.4
Pharmaceutical sciences	5,201	0.7	3,828	0.7	1,051	0.5	1,373	0.6	2,142	0.4	1,115	0.3	515	0.3	1,027	0.6	3,059	1.0	2,713	1.0	536	1.1	346	0.9
Other health nec	8,672	1.1	4,889	0.8	1,799	0.9	3,783	1.7	5,324	1.1	2,778	0.9	1,263	0.9	2,546	1.4	3,348	1.1	2,111	0.8	536	1.1	1,237	3.3

* = value < 0.05%.

nec = not elsewhere classified.

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. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the "Technical Notes."

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2022.