

TABLE 4-3

**Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2021**

(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	760,156	100.0	543,823	100.0	193,936	100.0	216,333	100.0	466,613	100.0	286,954	100.0	147,266	100.0	179,659	100.0	293,543	100.0	256,869	100.0	46,670	100.0	36,674	100.0
Science	509,784	67.1	366,207	67.3	128,906	66.5	143,577	66.4	305,796	65.5	184,719	64.4	95,492	64.8	121,077	67.4	203,988	69.5	181,488	70.7	33,414	71.6	22,500	61.4
Agricultural and veterinary sciences	11,244	1.5	7,754	1.4	2,105	1.1	3,490	1.6	6,801	1.5	4,034	1.4	1,521	1.0	2,767	1.5	4,443	1.5	3,720	1.4	584	1.3	723	2.0
Agricultural sciences	9,696	1.3	6,830	1.3	1,831	0.9	2,866	1.3	5,790	1.2	3,581	1.2	1,322	0.9	2,209	1.2	3,906	1.3	3,249	1.3	509	1.1	657	1.8
Veterinary biomedical and clinical sciences	1,548	0.2	924	0.2	274	0.1	624	0.3	1,011	0.2	453	0.2	199	0.1	558	0.3	537	0.2	471	0.2	75	0.2	66	0.2
Biological and biomedical sciences	100,883	13.3	82,218	15.1	25,276	13.0	18,665	8.6	42,728	9.2	27,949	9.7	15,242	10.3	14,779	8.2	58,155	19.8	54,269	21.1	10,034	21.5	3,886	10.6
Biochemistry	5,833	0.8	5,208	1.0	1,184	0.6	625	0.3	1,005	0.2	694	0.2	412	0.3	311	0.2	4,828	1.6	4,514	1.8	772	1.7	314	0.9
Biology	15,694	2.1	11,289	2.1	3,195	1.6	4,405	2.0	8,294	1.8	4,479	1.6	1,951	1.3	3,815	2.1	7,400	2.5	6,810	2.7	1,244	2.7	590	1.6
Biomedical sciences	10,620	1.4	9,494	1.7	4,463	2.3	1,126	0.5	5,794	1.2	4,922	1.7	3,240	2.2	872	0.5	4,826	1.6	4,572	1.8	1,223	2.6	254	0.7
Biophysics	979	0.1	964	0.2	157	0.1	15	*	6	*	5	*	4	*	1	*	973	0.3	959	0.4	153	0.3	14	*
Biostatistics and bioinformatics	7,110	0.9	5,879	1.1	2,182	1.1	1,231	0.6	3,519	0.8	2,609	0.9	1,553	1.1	910	0.5	3,591	1.2	3,270	1.3	629	1.3	321	0.9
Biotechnology	3,523	0.5	1,551	0.3	745	0.4	1,972	0.9	3,395	0.7	1,434	0.5	709	0.5	1,961	1.1	128	*	117	*	36	0.1	11	*
Botany and plant biology	1,632	0.2	1,498	0.3	285	0.1	134	0.1	363	0.1	308	0.1	87	0.1	55	*	1,269	0.4	1,190	0.5	198	0.4	79	0.2
Cell, cellular biology, and anatomical sciences	6,500	0.9	6,082	1.1	1,462	0.8	418	0.2	1,210	0.3	922	0.3	588	0.4	288	0.2	5,290	1.8	5,160	2.0	874	1.9	130	0.4
Ecology and population biology	3,991	0.5	3,255	0.6	769	0.4	736	0.3	1,201	0.3	793	0.3	337	0.2	408	0.2	2,790	1.0	2,462	1.0	432	0.9	328	0.9
Epidemiology	5,785	0.8	4,533	0.8	1,848	1.0	1,252	0.6	3,623	0.8	2,733	1.0	1,465	1.0	890	0.5	2,162	0.7	1,800	0.7	383	0.8	362	1.0
Genetics	3,167	0.4	2,940	0.5	618	0.3	227	0.1	718	0.2	582	0.2	289	0.2	136	0.1	2,449	0.8	2,358	0.9	329	0.7	91	0.2
Microbiological sciences and immunology	6,382	0.8	5,034	0.9	1,102	0.6	1,348	0.6	2,011	0.4	881	0.3	460	0.3	1,130	0.6	4,371	1.5	4,153	1.6	642	1.4	218	0.6
Molecular biology	1,670	0.2	1,451	0.3	326	0.2	219	0.1	405	0.1	264	0.1	125	0.1	141	0.1	1,265	0.4	1,187	0.5	201	0.4	78	0.2
Neurobiology and neuroscience	6,349	0.8	5,965	1.1	1,163	0.6	384	0.2	591	0.1	416	0.1	232	0.2	175	0.1	5,758	2.0	5,549	2.2	931	2.0	209	0.6
Nutrition science	3,864	0.5	2,728	0.5	1,090	0.6	1,136	0.5	2,871	0.6	1,870	0.7	941	0.6	1,001	0.6	993	0.3	858	0.3	149	0.3	135	0.4
Pathology and experimental pathology	949	0.1	893	0.2	148	0.1	56	*	100	*	79	*	39	*	21	*	849	0.3	814	0.3	109	0.2	35	0.1
Pharmacology and toxicology	3,300	0.4	2,732	0.5	671	0.3	568	0.3	926	0.2	473	0.2	317	0.2	453	0.3	2,374	0.8	2,259	0.9	354	0.8	115	0.3

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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		
Physiology	5,939	0.8	4,883	0.9	1,632	0.8	1,056	0.5	2,898	0.6	2,022	0.7	1,184	0.8	876	0.5	3,041	1.0	2,861	1.1	448	1.0	180	0.5		
Zoology and animal biology	2,140	0.3	1,663	0.3	356	0.2	477	0.2	927	0.2	586	0.2	180	0.1	341	0.2	1,213	0.4	1,077	0.4	176	0.4	136	0.4		
Biological and biomedical sciences nec	5,456	0.7	4,176	0.8	1,880	1.0	1,280	0.6	2,871	0.6	1,877	0.7	1,129	0.8	994	0.6	2,585	0.9	2,299	0.9	751	1.6	286	0.8		
Computer and information sciences	121,730	16.0	75,637	13.9	37,733	19.5	46,093	21.3	102,199	21.9	58,913	20.5	34,588	23.5	43,286	24.1	19,531	6.7	16,724	6.5	3,145	6.7	2,807	7.7		
Artificial intelligence, informatics, and computer and information science topics	5,191	0.7	3,384	0.6	1,730	0.9	1,807	0.8	4,504	1.0	2,776	1.0	1,610	1.1	1,728	1.0	687	0.2	608	0.2	120	0.3	79	0.2		
Computer and information sciences	36,972	4.9	21,284	3.9	11,189	5.8	15,688	7.3	30,804	6.6	16,037	5.6	10,263	7.0	14,767	8.2	6,168	2.1	5,247	2.0	926	2.0	921	2.5		
Computer and information systems security	8,743	1.2	2,701	0.5	1,308	0.7	6,042	2.8	8,401	1.8	2,554	0.9	1,246	0.8	5,847	3.3	342	0.1	147	0.1	62	0.1	195	0.5		
Computer science	40,717	5.4	31,405	5.8	14,577	7.5	9,312	4.3	30,361	6.5	22,181	7.7	12,838	8.7	8,180	4.6	10,356	3.5	9,224	3.6	1,739	3.7	1,132	3.1		
Information science and studies	14,449	1.9	7,597	1.4	3,843	2.0	6,852	3.2	13,098	2.8	6,583	2.3	3,650	2.5	6,515	3.6	1,351	0.5	1,014	0.4	193	0.4	337	0.9		
Information technology	7,994	1.1	4,853	0.9	2,734	1.4	3,141	1.5	7,527	1.6	4,476	1.6	2,651	1.8	3,051	1.7	467	0.2	377	0.1	83	0.2	90	0.2		
Computer and information sciences nec	7,664	1.0	4,413	0.8	2,352	1.2	3,251	1.5	7,504	1.6	4,306	1.5	2,330	1.6	3,198	1.8	160	0.1	107	*	22	*	53	0.1		
Geosciences, atmospheric sciences, and ocean sciences	12,290	1.6	9,863	1.8	2,797	1.4	2,427	1.1	5,520	1.2	3,731	1.3	1,606	1.1	1,789	1.0	6,770	2.3	6,132	2.4	1,191	2.6	638	1.7		
Atmospheric sciences and meteorology	1,389	0.2	1,250	0.2	372	0.2	139	0.1	487	0.1	436	0.2	201	0.1	51	*	902	0.3	814	0.3	171	0.4	88	0.2		
Geological and earth sciences	7,871	1.0	6,153	1.1	1,709	0.9	1,718	0.8	3,534	0.8	2,242	0.8	930	0.6	1,292	0.7	4,337	1.5	3,911	1.5	779	1.7	426	1.2		
Ocean and marine sciences	3,030	0.4	2,460	0.5	716	0.4	570	0.3	1,499	0.3	1,053	0.4	475	0.3	446	0.2	1,531	0.5	1,407	0.5	241	0.5	124	0.3		
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	34,258	4.5	26,522	4.9	10,076	5.2	7,736	3.6	20,639	4.4	14,157	4.9	7,725	5.2	6,482	3.6	13,619	4.6	12,365	4.8	2,351	5.0	1,254	3.4		

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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
Applied mathematics	11,154	1.5	9,316	1.7	4,306	2.2	1,838	0.8	8,899	1.9	7,288	2.5	3,948	2.7	1,611	0.9	2,255	0.8	2,028	0.8	358	0.8	227	0.6
Mathematics	12,128	1.6	9,405	1.7	2,419	1.2	2,723	1.3	4,164	0.9	2,099	0.7	976	0.7	2,065	1.1	7,964	2.7	7,306	2.8	1,443	3.1	658	1.8
Statistics	10,976	1.4	7,801	1.4	3,351	1.7	3,175	1.5	7,576	1.6	4,770	1.7	2,801	1.9	2,806	1.6	3,400	1.2	3,031	1.2	550	1.2	369	1.0
Multidisciplinary and interdisciplinary studies	15,768	2.1	9,650	1.8	4,432	2.3	6,118	2.8	11,994	2.6	6,602	2.3	3,796	2.6	5,392	3.0	3,774	1.3	3,048	1.2	636	1.4	726	2.0
Biological and physical sciences	1,761	0.2	1,507	0.3	577	0.3	254	0.1	874	0.2	690	0.2	401	0.3	184	0.1	887	0.3	817	0.3	176	0.4	70	0.2
Computational science	2,435	0.3	1,364	0.3	699	0.4	1,071	0.5	2,088	0.4	1,096	0.4	639	0.4	992	0.6	347	0.1	268	0.1	60	0.1	79	0.2
Data science and data analytics	2,404	0.3	791	0.1	512	0.3	1,613	0.7	2,358	0.5	750	0.3	502	0.3	1,608	0.9	46	*	41	*	10	*	5	*
International and global studies	1,450	0.2	1,018	0.2	519	0.3	432	0.2	1,267	0.3	866	0.3	481	0.3	401	0.2	183	0.1	152	0.1	38	0.1	31	0.1
Multidisciplinary and interdisciplinary studies nec	7,718	1.0	4,970	0.9	2,125	1.1	2,748	1.3	5,407	1.2	3,200	1.1	1,773	1.2	2,207	1.2	2,311	0.8	1,770	0.7	352	0.8	541	1.5
Natural resources and conservation	13,922	1.8	9,476	1.7	3,349	1.7	4,446	2.1	10,012	2.1	6,343	2.2	2,812	1.9	3,669	2.0	3,910	1.3	3,133	1.2	537	1.2	777	2.1
Environmental science and studies	6,807	0.9	4,737	0.9	1,846	1.0	2,070	1.0	4,851	1.0	3,120	1.1	1,549	1.1	1,731	1.0	1,956	0.7	1,617	0.6	297	0.6	339	0.9
Forestry, natural resources, and conservation	7,115	0.9	4,739	0.9	1,503	0.8	2,376	1.1	5,161	1.1	3,223	1.1	1,263	0.9	1,938	1.1	1,954	0.7	1,516	0.6	240	0.5	438	1.2
Physical sciences	44,141	5.8	38,847	7.1	8,388	4.3	5,294	2.4	6,409	1.4	3,834	1.3	1,666	1.1	2,575	1.4	37,732	12.9	35,013	13.6	6,722	14.4	2,719	7.4
Astronomy and astrophysics	1,624	0.2	1,535	0.3	328	0.2	89	*	85	*	58	*	32	*	27	*	1,539	0.5	1,477	0.6	296	0.6	62	0.2
Chemistry	23,215	3.1	20,549	3.8	4,391	2.3	2,666	1.2	3,066	0.7	1,833	0.6	750	0.5	1,233	0.7	20,149	6.9	18,716	7.3	3,641	7.8	1,433	3.9
Materials sciences	1,441	0.2	1,288	0.2	341	0.2	153	0.1	439	0.1	351	0.1	186	0.1	88	*	1,002	0.3	937	0.4	155	0.3	65	0.2
Physics	16,779	2.2	14,804	2.7	3,107	1.6	1,975	0.9	2,278	0.5	1,353	0.5	588	0.4	925	0.5	14,501	4.9	13,451	5.2	2,519	5.4	1,050	2.9
Physical sciences nec	1,082	0.1	671	0.1	221	0.1	411	0.2	541	0.1	239	0.1	110	0.1	302	0.2	541	0.2	432	0.2	111	0.2	109	0.3
Psychology	73,325	9.6	47,699	8.8	15,132	7.8	25,626	11.8	51,878	11.1	30,052	10.5	11,510	7.8	21,826	12.1	21,447	7.3	17,647	6.9	3,622	7.8	3,800	10.4
Applied psychology	24,427	3.2	13,523	2.5	5,058	2.6	10,904	5.0	19,517	4.2	10,044	3.5	4,313	2.9	9,473	5.3	4,910	1.7	3,479	1.4	745	1.6	1,431	3.9
Clinical psychology	7,556	1.0	5,204	1.0	1,353	0.7	2,352	1.1	4,167	0.9	2,393	0.8	772	0.5	1,774	1.0	3,389	1.2	2,811	1.1	581	1.2	578	1.6
Counseling psychology	18,426	2.4	11,664	2.1	3,245	1.7	6,762	3.1	16,965	3.6	10,526	3.7	3,001	2.0	6,439	3.6	1,461	0.5	1,138	0.4	244	0.5	323	0.9
Human development	2,363	0.3	1,494	0.3	580	0.3	869	0.4	1,566	0.3	883	0.3	444	0.3	683	0.4	797	0.3	611	0.2	136	0.3	186	0.5

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Psychology, general	13,883	1.8	10,208	1.9	3,330	1.7	3,675	1.7	7,329	1.6	4,631	1.6	2,212	1.5	2,698	1.5	6,554	2.2	5,577	2.2	1,118	2.4	977	2.7
Research and experimental psychology	6,670	0.9	5,606	1.0	1,566	0.8	1,064	0.5	2,334	0.5	1,575	0.5	768	0.5	759	0.4	4,336	1.5	4,031	1.6	798	1.7	305	0.8
Social sciences	82,223	10.8	58,541	10.8	19,618	10.1	23,682	10.9	47,616	10.2	29,104	10.1	15,026	10.2	18,512	10.3	34,607	11.8	29,437	11.5	4,592	9.8	5,170	14.1
Agricultural and natural resource economics	1,194	0.2	959	0.2	338	0.2	235	0.1	672	0.1	499	0.2	247	0.2	173	0.1	522	0.2	460	0.2	91	0.2	62	0.2
Anthropology	6,421	0.8	4,991	0.9	1,160	0.6	1,430	0.7	2,292	0.5	1,482	0.5	745	0.5	810	0.5	4,129	1.4	3,509	1.4	415	0.9	620	1.7
Area, ethnic, cultural, gender, and group studies	5,093	0.7	3,839	0.7	1,279	0.7	1,254	0.6	2,767	0.6	1,937	0.7	1,039	0.7	830	0.5	2,326	0.8	1,902	0.7	240	0.5	424	1.2
Criminal justice and safety studies	6,829	0.9	3,246	0.6	1,215	0.6	3,583	1.7	5,602	1.2	2,396	0.8	1,069	0.7	3,206	1.8	1,227	0.4	850	0.3	146	0.3	377	1.0
Criminology	1,580	0.2	843	0.2	330	0.2	737	0.3	1,272	0.3	589	0.2	272	0.2	683	0.4	308	0.1	254	0.1	58	0.1	54	0.1
Economics (except agricultural and natural resource)	15,148	2.0	12,800	2.4	4,188	2.2	2,348	1.1	6,882	1.5	5,148	1.8	2,875	2.0	1,734	1.0	8,266	2.8	7,652	3.0	1,313	2.8	614	1.7
Geography and cartography	4,876	0.6	2,938	0.5	970	0.5	1,938	0.9	3,147	0.7	1,504	0.5	698	0.5	1,643	0.9	1,729	0.6	1,434	0.6	272	0.6	295	0.8
International relations and national security studies	8,782	1.2	5,610	1.0	2,589	1.3	3,172	1.5	8,308	1.8	5,211	1.8	2,514	1.7	3,097	1.7	474	0.2	399	0.2	75	0.2	75	0.2
Linguistics	2,840	0.4	2,212	0.4	525	0.3	628	0.3	1,188	0.3	700	0.2	307	0.2	488	0.3	1,652	0.6	1,512	0.6	218	0.5	140	0.4
Political science and government	8,602	1.1	6,393	1.2	1,612	0.8	2,209	1.0	3,270	0.7	1,687	0.6	878	0.6	1,583	0.9	5,332	1.8	4,706	1.8	734	1.6	626	1.7
Public policy analysis	10,030	1.3	6,978	1.3	3,193	1.6	3,052	1.4	7,290	1.6	5,168	1.8	2,828	1.9	2,122	1.2	2,740	0.9	1,810	0.7	365	0.8	930	2.5
Sociology and population studies	7,206	0.9	5,484	1.0	1,212	0.6	1,722	0.8	2,331	0.5	1,301	0.5	662	0.4	1,030	0.6	4,875	1.7	4,183	1.6	550	1.2	692	1.9
Urban studies and affairs	1,218	0.2	590	0.1	205	0.1	628	0.3	827	0.2	362	0.1	166	0.1	465	0.3	391	0.1	228	0.1	39	0.1	163	0.4
Social sciences, other	2,404	0.3	1,658	0.3	802	0.4	746	0.3	1,768	0.4	1,120	0.4	726	0.5	648	0.4	636	0.2	538	0.2	76	0.2	98	0.3
Engineering	168,050	22.1	122,853	22.6	42,647	22.0	45,197	20.9	95,126	20.4	58,790	20.5	31,842	21.6	36,336	20.2	72,924	24.8	64,063	24.9	10,805	23.2	8,861	24.2
Aerospace, aeronautical, and astronautical engineering	7,838	1.0	5,161	0.9	1,693	0.9	2,677	1.2	5,065	1.1	2,755	1.0	1,269	0.9	2,310	1.3	2,773	0.9	2,406	0.9	424	0.9	367	1.0
Biological, biomedical, and biosystems engineering	14,059	1.8	12,066	2.2	3,853	2.0	1,993	0.9	5,192	1.1	3,900	1.4	2,328	1.6	1,292	0.7	8,867	3.0	8,166	3.2	1,525	3.3	701	1.9
Chemical, petroleum, and chemical-related engineering	10,696	1.4	9,416	1.7	2,407	1.2	1,280	0.6	2,983	0.6	2,053	0.7	1,082	0.7	930	0.5	7,713	2.6	7,363	2.9	1,325	2.8	350	1.0

TABLE 4-3

**Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2021**

(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		
Chemical engineering	9,670	1.3	8,579	1.6	2,218	1.1	1,091	0.5	2,555	0.5	1,761	0.6	986	0.7	794	0.4	7,115	2.4	6,818	2.7	1,232	2.6	297	0.8		
Petroleum engineering	1,026	0.1	837	0.2	189	0.1	189	0.1	428	0.1	292	0.1	96	0.1	136	0.1	598	0.2	545	0.2	93	0.2	53	0.1		
Civil, environmental, transportation and related engineering fields	19,608	2.6	14,218	2.6	5,170	2.7	5,390	2.5	11,730	2.5	7,426	2.6	4,003	2.7	4,304	2.4	7,878	2.7	6,792	2.6	1,167	2.5	1,086	3.0		
Civil engineering	16,112	2.1	11,856	2.2	4,246	2.2	4,256	2.0	9,352	2.0	6,004	2.1	3,271	2.2	3,348	1.9	6,760	2.3	5,852	2.3	975	2.1	908	2.5		
Architectural, environmental, construction and surveying engineering	3,496	0.5	2,362	0.4	924	0.5	1,134	0.5	2,378	0.5	1,422	0.5	732	0.5	956	0.5	1,118	0.4	940	0.4	192	0.4	178	0.5		
Electrical, electronics, communications and computer engineering	45,265	6.0	33,744	6.2	12,355	6.4	11,521	5.3	27,695	5.9	18,540	6.5	10,039	6.8	9,155	5.1	17,570	6.0	15,204	5.9	2,316	5.0	2,366	6.5		
Electrical, electronics, and communications engineering	32,633	4.3	24,187	4.4	8,162	4.2	8,446	3.9	17,866	3.8	11,379	4.0	6,205	4.2	6,487	3.6	14,767	5.0	12,808	5.0	1,957	4.2	1,959	5.3		
Computer engineering	12,632	1.7	9,557	1.8	4,193	2.2	3,075	1.4	9,829	2.1	7,161	2.5	3,834	2.6	2,668	1.5	2,803	1.0	2,396	0.9	359	0.8	407	1.1		
Industrial, manufacturing, systems engineering and operations research	15,870	2.1	9,338	1.7	4,056	2.1	6,532	3.0	11,949	2.6	6,307	2.2	3,513	2.4	5,642	3.1	3,921	1.3	3,031	1.2	543	1.2	890	2.4		
Industrial and manufacturing engineering	7,606	1.0	5,290	1.0	2,150	1.1	2,316	1.1	5,284	1.1	3,424	1.2	1,840	1.2	1,860	1.0	2,322	0.8	1,866	0.7	310	0.7	456	1.2		
Systems engineering and operations research	8,264	1.1	4,048	0.7	1,906	1.0	4,216	1.9	6,665	1.4	2,883	1.0	1,673	1.1	3,782	2.1	1,599	0.5	1,165	0.5	233	0.5	434	1.2		
Mechanical engineering	27,258	3.6	20,236	3.7	6,957	3.6	7,022	3.2	15,718	3.4	9,930	3.5	5,359	3.6	5,788	3.2	11,540	3.9	10,306	4.0	1,598	3.4	1,234	3.4		
Metallurgical, mining, materials and related engineering fields	7,422	1.0	6,171	1.1	1,646	0.8	1,251	0.6	2,518	0.5	1,662	0.6	853	0.6	856	0.5	4,904	1.7	4,509	1.8	793	1.7	395	1.1		
Other engineering	20,034	2.6	12,503	2.3	4,510	2.3	7,531	3.5	12,276	2.6	6,217	2.2	3,396	2.3	6,059	3.4	7,758	2.6	6,286	2.4	1,114	2.4	1,472	4.0		
Agricultural engineering	1,187	0.2	907	0.2	210	0.1	280	0.1	519	0.1	317	0.1	125	0.1	202	0.1	668	0.2	590	0.2	85	0.2	78	0.2		
Engineering mechanics, physics, and science	2,239	0.3	1,867	0.3	574	0.3	372	0.2	782	0.2	535	0.2	303	0.2	247	0.1	1,457	0.5	1,332	0.5	271	0.6	125	0.3		
Nuclear engineering	1,516	0.2	1,192	0.2	274	0.1	324	0.1	484	0.1	327	0.1	135	0.1	157	0.1	1,032	0.4	865	0.3	139	0.3	167	0.5		
Engineering, other	15,092	2.0	8,537	1.6	3,452	1.8	6,555	3.0	10,491	2.2	5,038	1.8	2,833	1.9	5,453	3.0	4,601	1.6	3,499	1.4	619	1.3	1,102	3.0		

TABLE 4-3

**Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2021**

(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
Health	82,322	10.8	54,763	10.1	22,383	11.5	27,559	12.7	65,691	14.1	43,445	15.1	19,932	13.5	22,246	12.4	16,631	5.7	11,318	4.4	2,451	5.3	5,313	14.5
Clinical medicine <sup>a</sup>	39,633	5.2	23,888	4.4	10,668	5.5	15,745	7.3	34,021	7.3	20,189	7.0	9,784	6.6	13,832	7.7	5,612	1.9	3,699	1.4	884	1.9	1,913	5.2
Medical clinical sciences and clinical and medical laboratory sciences	1,964	0.3	1,102	0.2	504	0.3	862	0.4	1,287	0.3	748	0.3	402	0.3	539	0.3	677	0.2	354	0.1	102	0.2	323	0.9
Public health	37,669	5.0	22,786	4.2	10,164	5.2	14,883	6.9	32,734	7.0	19,441	6.8	9,382	6.4	13,293	7.4	4,935	1.7	3,345	1.3	782	1.7	1,590	4.3
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	42,689	5.6	30,875	5.7	11,715	6.0	11,814	5.5	31,670	6.8	23,256	8.1	10,148	6.9	8,414	4.7	11,019	3.8	7,619	3.0	1,567	3.4	3,400	9.3
Communication disorders sciences	18,198	2.4	15,985	2.9	6,723	3.5	2,213	1.0	17,406	3.7	15,288	5.3	6,600	4.5	2,118	1.2	792	0.3	697	0.3	123	0.3	95	0.3
Dental sciences	1,719	0.2	1,580	0.3	498	0.3	139	0.1	1,500	0.3	1,375	0.5	459	0.3	125	0.1	219	0.1	205	0.1	39	0.1	14	*
Kinesiology and exercise science	5,993	0.8	4,074	0.7	1,766	0.9	1,919	0.9	4,962	1.1	3,310	1.2	1,607	1.1	1,652	0.9	1,031	0.4	764	0.3	159	0.3	267	0.7
Nursing science	5,174	0.7	2,476	0.5	601	0.3	2,698	1.2	1,662	0.4	518	0.2	170	0.1	1,144	0.6	3,512	1.2	1,958	0.8	431	0.9	1,554	4.2

TABLE 4-3

**Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2021**

(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
Pharmaceutical sciences	4,875	0.6	3,463	0.6	945	0.5	1,412	0.7	1,939	0.4	927	0.3	475	0.3	1,012	0.6	2,936	1.0	2,536	1.0	470	1.0	400	1.1
Other health nec	6,730	0.9	3,297	0.6	1,182	0.6	3,433	1.6	4,201	0.9	1,838	0.6	837	0.6	2,363	1.3	2,529	0.9	1,459	0.6	345	0.7	1,070	2.9

\* = value &lt; 0.05%; ne = not eligible.

nec = not elsewhere classified.

<sup>a</sup> 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, 2021.