

TABLE 1-13

Education-related debt of research doctorate recipients, by trend broad field of doctorate: 2013–23

(Number)

Education-related debt level and field	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
All fields	46,449	46,819	48,759	49,778	49,229	50,041	50,725	50,364	47,251	51,989	51,964
No debt	28,883	29,333	30,890	31,987	32,602	33,847	34,710	35,079	33,825	38,216	38,115
\$10,000 or less	3,931	3,842	4,189	4,071	3,802	3,831	3,469	3,399	2,739	2,858	3,128
\$10,001–\$30,000	4,609	4,435	4,464	4,376	3,897	3,720	3,790	3,411	2,941	3,232	3,223
\$30,001–\$70,000	4,782	4,735	4,500	4,528	4,108	3,902	3,673	3,481	3,174	3,212	3,184
\$70,001 or more	4,244	4,474	4,716	4,816	4,820	4,741	5,083	4,994	4,572	4,471	4,314
Science and engineering	34,598	35,488	36,787	37,658	37,578	38,541	39,402	39,139	37,244	41,359	41,181
No debt	23,240	24,040	25,188	26,072	26,758	27,926	28,674	29,060	28,174	32,074	31,738
\$10,000 or less	2,854	2,860	3,072	3,039	2,852	2,861	2,630	2,574	2,124	2,178	2,450
\$10,001–\$30,000	3,077	3,036	3,006	2,953	2,657	2,506	2,639	2,340	2,107	2,265	2,312
\$30,001–\$70,000	2,945	2,916	2,792	2,797	2,522	2,434	2,323	2,149	2,037	2,100	2,071
\$70,001 or more	2,482	2,636	2,729	2,797	2,789	2,814	3,136	3,016	2,802	2,742	2,610
Agricultural sciences and natural resources	1,235	1,234	1,336	1,312	1,392	1,362	1,416	1,400	1,276	1,367	1,305
No debt	785	781	889	874	968	953	985	989	938	1,022	969
\$10,000 or less	143	128	138	130	132	127	119	129	108	115	108
\$10,001–\$30,000	138	137	131	122	111	104	124	98	95	89	87
\$30,001–\$70,000	93	107	117	105	102	96	94	74	62	58	82
\$70,001 or more	76	81	61	81	79	82	94	110	73	83	59
Biological and biomedical sciences	7,781	7,764	8,003	8,268	8,012	8,196	8,218	7,940	7,566	8,609	8,845
No debt	5,585	5,695	5,981	6,216	6,149	6,287	6,338	6,212	6,083	6,989	7,072
\$10,000 or less	616	607	637	618	605	605	566	531	405	428	495
\$10,001–\$30,000	667	611	582	596	489	497	501	394	344	415	477
\$30,001–\$70,000	560	507	441	481	408	411	424	427	361	396	394
\$70,001 or more	353	344	362	357	361	396	389	376	373	381	407
Computer and information sciences	1,659	1,767	1,774	1,892	1,803	1,802	2,043	2,161	2,127	2,363	2,390
No debt	1,337	1,373	1,408	1,499	1,464	1,485	1,704	1,802	1,801	2,035	2,025
\$10,000 or less	104	122	119	106	111	110	112	110	110	107	122
\$10,001–\$30,000	85	101	89	113	94	80	86	115	87	94	94
\$30,001–\$70,000	66	98	81	90	59	61	74	57	66	69	75
\$70,001 or more	67	73	77	84	75	66	67	77	63	58	74
Engineering	7,964	8,445	8,827	8,549	8,852	9,288	9,429	9,649	9,391	10,421	10,288
No debt	5,981	6,426	6,787	6,555	7,032	7,488	7,573	7,876	7,732	8,683	8,562
\$10,000 or less	706	746	774	759	679	716	639	635	549	566	609
\$10,001–\$30,000	615	617	613	568	520	516	577	494	492	519	528
\$30,001–\$70,000	422	413	420	416	362	341	345	317	339	373	356
\$70,001 or more	240	243	233	251	259	227	295	327	279	280	233

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(Number)

Education-related debt level and field	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Geosciences, atmospheric, and ocean sciences	896	997	969	1,163	1,085	1,117	1,199	1,157	1,001	1,094	1,132
No debt	664	715	714	877	835	858	926	912	796	937	928
\$10,000 or less	79	89	91	100	88	96	83	102	72	56	64
\$10,001–\$30,000	73	84	67	84	65	82	73	66	55	40	59
\$30,001–\$70,000	51	68	61	55	59	45	58	39	43	36	42
\$70,001 or more	29	41	36	47	38	36	59	38	35	25	39
Health sciences	1,851	1,919	1,967	2,056	2,213	2,230	2,265	2,342	2,006	2,197	2,147
No debt	948	951	942	1,010	1,096	1,161	1,166	1,228	1,086	1,277	1,174
\$10,000 or less	145	125	165	166	176	143	151	143	133	114	134
\$10,001–\$30,000	211	249	230	222	218	214	227	232	147	179	171
\$30,001–\$70,000	292	303	299	318	336	329	273	289	253	255	280
\$70,001 or more	255	291	331	340	387	383	448	450	387	372	388
Mathematics and statistics	1,614	1,648	1,633	1,697	1,665	1,873	1,846	1,875	1,857	2,035	1,980
No debt	1,296	1,312	1,339	1,386	1,371	1,560	1,546	1,602	1,574	1,761	1,750
\$10,000 or less	100	116	103	84	107	105	99	98	93	74	93
\$10,001–\$30,000	97	88	86	104	81	90	83	74	79	81	65
\$30,001–\$70,000	76	79	63	75	56	78	67	55	56	56	42
\$70,001 or more	45	53	42	48	50	40	51	46	55	63	30
Physical sciences	4,109	4,206	4,359	4,585	4,540	4,753	4,924	4,644	4,366	5,049	5,002
No debt	3,167	3,308	3,450	3,653	3,749	3,966	4,097	3,997	3,810	4,367	4,283
\$10,000 or less	342	315	369	384	304	350	311	257	209	261	285
\$10,001–\$30,000	307	281	257	251	233	187	244	168	169	188	211
\$30,001–\$70,000	193	200	176	188	158	155	148	132	110	128	127
\$70,001 or more	100	102	107	109	96	95	124	90	68	105	96
Psychology	3,017	3,040	3,091	3,345	3,356	3,288	3,359	3,288	3,190	3,401	3,330
No debt	1,125	1,112	1,161	1,384	1,426	1,487	1,568	1,518	1,519	1,771	1,727
\$10,000 or less	196	207	228	243	242	205	202	218	166	170	186
\$10,001–\$30,000	349	340	357	370	370	303	270	297	278	285	274
\$30,001–\$70,000	569	568	523	489	458	416	386	361	356	369	346
\$70,001 or more	778	813	822	859	860	877	933	894	871	806	797
Social sciences	4,472	4,468	4,828	4,791	4,660	4,632	4,703	4,683	4,464	4,823	4,762
No debt	2,352	2,367	2,517	2,618	2,668	2,681	2,771	2,924	2,835	3,232	3,248
\$10,000 or less	423	405	448	449	408	404	348	351	279	287	354
\$10,001–\$30,000	535	528	594	523	476	433	454	402	361	375	346
\$30,001–\$70,000	623	573	611	580	524	502	454	398	391	360	327
\$70,001 or more	539	595	658	621	584	612	676	608	598	569	487

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(Number)

Education-related debt level and field	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Non-science and engineering	11,851	11,331	11,972	12,120	11,651	11,500	11,323	11,225	10,007	10,630	10,783
No debt	5,643	5,293	5,702	5,915	5,844	5,921	6,036	6,019	5,651	6,142	6,377
\$10,000 or less	1,077	982	1,117	1,032	950	970	839	825	615	680	678
\$10,001–\$30,000	1,532	1,399	1,458	1,423	1,240	1,214	1,151	1,071	834	967	911
\$30,001–\$70,000	1,837	1,819	1,708	1,731	1,586	1,468	1,350	1,332	1,137	1,112	1,113
\$70,001 or more	1,762	1,838	1,987	2,019	2,031	1,927	1,947	1,978	1,770	1,729	1,704
Business	1,346	1,349	1,372	1,329	1,344	1,274	1,350	1,254	1,210	1,275	1,351
No debt	784	756	816	821	841	822	882	861	852	916	1,022
\$10,000 or less	97	106	79	86	66	72	77	65	47	74	60
\$10,001–\$30,000	119	118	127	111	112	117	102	76	86	89	91
\$30,001–\$70,000	180	143	150	139	136	103	114	95	71	65	58
\$70,001 or more	166	226	200	172	189	160	175	157	154	131	120
Education	4,300	4,079	4,490	4,621	4,299	4,356	4,199	4,266	3,769	3,919	4,025
No debt	1,898	1,725	1,942	2,038	1,892	1,952	1,976	2,003	1,868	1,918	2,006
\$10,000 or less	361	347	396	369	340	339	267	292	227	240	262
\$10,001–\$30,000	574	502	555	557	483	480	421	433	337	382	382
\$30,001–\$70,000	728	732	711	718	673	667	621	600	494	528	537
\$70,001 or more	739	773	886	939	911	918	914	938	843	851	838
Humanities and arts	4,927	4,698	4,873	4,890	4,676	4,614	4,507	4,369	3,659	3,976	3,913
No debt	2,400	2,277	2,394	2,515	2,507	2,550	2,564	2,511	2,231	2,492	2,528
\$10,000 or less	521	447	537	461	439	457	402	355	244	269	258
\$10,001–\$30,000	663	621	629	599	503	483	476	429	286	371	315
\$30,001–\$70,000	721	723	640	652	549	513	466	473	409	362	342
\$70,001 or more	622	630	673	663	678	611	599	601	489	482	470
Other non-science and engineering	1,278	1,205	1,237	1,280	1,332	1,256	1,267	1,336	1,369	1,460	1,494
No debt	561	535	550	541	604	597	614	644	700	816	821
\$10,000 or less	98	82	105	116	105	102	93	113	97	97	98
\$10,001–\$30,000	176	158	147	156	142	134	152	133	125	125	123
\$30,001–\$70,000	208	221	207	222	228	185	149	164	163	157	176
\$70,001 or more	235	209	228	245	253	238	259	282	284	265	276

Note(s):

Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection; the trend fields were constructed using the SED-CIP code crosswalk in table A-6. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information about the field taxonomy changes, see the "Technical Notes."

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.