

Earned doctoral degrees, by field, sex, and citizenship: Selected years, 1977–2001

Field, sex, and citizenship	1977	1979	1981	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001
Both sexes														
All fields	31,716	31,239	31,356	31,281	31,297	32,370	34,327	37,533	39,800	41,747	42,559	41,097	41,340	40,744
S&E.....	18,519	18,440	18,914	19,274	19,664	20,694	22,706	25,063	26,640	27,866	28,663	27,347	27,543	27,122
Natural sciences	6,894	6,962	7,013	7,179	7,326	7,679	8,100	9,091	9,562	9,996	10,436	9,967	10,014	9,816
Physical sciences.....	2,721	2,674	2,627	2,814	2,934	3,238	3,261	3,626	3,699	3,841	3,769	3,579	3,408	3,389
Earth, atmospheric, and ocean sciences.....	689	642	583	624	599	602	723	815	771	780	878	805	757	749
Biological sciences.....	3,484	3,646	3,803	3,741	3,793	3,839	4,116	4,650	5,092	5,375	5,789	5,583	5,849	5,678
Mathematics/computer sciences.....	964	979	960	987	998	1,190	1,471	1,838	2,026	2,187	2,032	1,938	1,908	1,832
Mathematics.....	933	769	728	701	688	740	859	1,038	1,146	1,190	1,123	1,083	1,049	1,006
Computer sciences	31	210	232	286	310	450	612	800	880	997	909	855	859	826
Agricultural sciences.....	782	855	982	1,015	1,110	976	1,086	1,073	968	1,036	982	966	942	848
Social/behavioral sciences	6,720	6,582	6,774	6,673	6,335	6,337	6,532	6,806	7,189	7,309	7,674	7,737	7,767	7,511
Psychology.....	2,990	3,091	3,358	3,347	3,118	3,173	3,208	3,250	3,420	3,430	3,562	3,673	3,618	3,433
Social sciences	3,730	3,491	3,416	3,326	3,217	3,164	3,324	3,556	3,769	3,879	4,112	4,064	4,149	4,078
Engineering.....	2,648	2,494	2,528	2,781	3,166	3,712	4,543	5,214	5,698	6,008	6,118	5,332	5,320	5,502
Chemical.....	329	315	317	392	504	584	712	691	737	708	767	674	725	726
Civil	336	302	358	397	391	477	538	575	624	656	656	584	555	593
Electrical.....	667	611	549	625	716	779	1,137	1,405	1,543	1,731	1,721	1,478	1,542	1,577
Industrial.....	73	82	66	86	92	120	162	165	236	284	246	212	176	205
Mechanical	372	366	360	379	513	657	760	875	1,030	1,025	1,023	855	863	953
Materials.....	248	236	234	268	303	392	380	489	535	588	582	469	451	499
Other	623	582	644	634	647	703	854	1,014	993	1,016	1,123	1,060	1,008	949
Medical/other life sciences ^a	511	568	657	639	729	800	974	1,041	1,197	1,330	1,421	1,407	1,592	1,613
Non-S&E	13,197	12,799	12,442	12,007	11,633	11,676	11,621	12,470	13,160	13,881	13,896	13,750	13,797	13,622
Male														
All fields	23,858	22,302	21,464	20,748	20,553	20,938	21,814	23,524	24,384	25,161	24,951	23,435	23,155	22,769
S&E.....	15,107	14,467	14,412	14,222	14,333	14,907	15,968	17,354	17,976	18,595	18,558	17,236	17,035	16,736
Natural sciences	5,804	5,661	5,561	5,478	5,513	5,679	5,791	6,429	6,496	6,683	6,818	6,495	6,315	6,187
Physical sciences.....	2,477	2,382	2,318	2,441	2,467	2,710	2,642	2,934	2,880	2,944	2,893	2,733	2,568	2,550
Earth, atmospheric, and ocean sciences	630	584	527	529	491	490	575	631	602	608	663	591	522	512
Biological sciences	2,697	2,695	2,716	2,508	2,555	2,479	2,574	2,864	3,014	3,131	3,262	3,171	3,225	3,125
Mathematics/computer sciences.....	837	833	822	838	859	1,000	1,208	1,514	1,602	1,727	1,594	1,495	1,506	1,398
Mathematics.....	811	650	616	588	582	615	704	835	865	919	851	803	790	730
Computer sciences	26	183	206	250	277	385	504	679	737	808	743	692	716	668
Agricultural sciences.....	726	775	848	882	939	805	859	860	736	804	715	682	668	555
Social/behavioral sciences	4,834	4,427	4,396	4,065	3,765	3,628	3,597	3,479	3,637	3,633	3,643	3,560	3,568	3,458
Psychology	1,902	1,831	1,885	1,750	1,577	1,475	1,408	1,249	1,322	1,246	1,163	1,210	1,205	1,134
Social sciences	2,932	2,596	2,511	2,315	2,188	2,153	2,189	2,230	2,315	2,387	2,480	2,350	2,363	2,324

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Engineering.....	2,574	2,432	2,429	2,657	2,968	3,470	4,168	4,703	5,097	5,270	5,319	4,505	4,455	4,564
Chemical.....	319	306	306	369	463	524	632	605	638	597	641	550	571	544
Civil.....	328	298	348	384	371	459	484	529	558	575	572	495	465	481
Electrical.....	646	600	527	612	681	747	1,070	1,312	1,403	1,545	1,561	1,310	1,335	1,372
Industrial.....	68	77	60	80	86	107	144	146	207	231	205	169	140	160
Mechanical.....	366	361	354	371	487	640	731	810	955	954	929	751	766	859
Materials.....	238	228	217	238	271	347	335	412	449	489	470	376	367	393
Other.....	609	562	617	603	609	646	772	889	887	879	941	854	811	755
Medical/other life sciences ^a	332	339	356	302	289	325	345	369	408	478	469	499	523	574
Non-S&E.....	8,751	7,835	7,052	6,526	6,220	6,031	5,846	6,170	6,408	6,566	6,393	6,199	6,120	6,033
Female														
All fields.....	7,858	8,937	9,892	10,533	10,744	11,432	12,513	13,873	15,121	16,416	17,249	17,484	18,114	17,901
S&E.....	3,412	3,973	4,502	5,052	5,331	5,787	6,738	7,600	8,429	9,130	9,872	9,985	10,451	10,330
Natural sciences.....	1,090	1,301	1,452	1,701	1,813	2,000	2,309	2,631	2,990	3,265	3,556	3,435	3,683	3,615
Physical sciences.....	244	292	309	373	467	528	619	679	780	878	852	831	835	834
Earth, atmospheric, and ocean sciences.....	59	58	56	95	108	112	148	179	160	170	209	210	230	236
Biological sciences.....	787	951	1,087	1,233	1,238	1,360	1,542	1,773	2,050	2,217	2,495	2,394	2,618	2,545
Mathematics/computer sciences.....	127	146	138	149	139	190	263	316	402	451	413	433	399	431
Mathematics.....	122	119	112	113	106	125	155	199	264	265	263	277	258	276
Computer sciences.....	5	27	26	36	33	65	108	117	138	186	150	156	141	155
Agricultural sciences.....	56	80	134	133	171	171	227	209	228	228	260	280	274	288
Social/behavioral sciences.....	1,886	2,155	2,378	2,608	2,570	2,709	2,935	3,309	3,510	3,647	3,957	4,149	4,191	4,044
Psychology.....	1,088	1,260	1,473	1,597	1,541	1,698	1,800	1,996	2,088	2,181	2,365	2,453	2,410	2,296
Social sciences.....	798	895	905	1,011	1,029	1,011	1,135	1,313	1,422	1,466	1,592	1,696	1,781	1,748
Engineering.....	74	62	99	124	198	242	375	467	522	696	750	789	837	925
Chemical.....	10	9	11	23	41	60	80	83	94	109	122	123	151	180
Civil.....	8	4	10	13	20	18	54	41	54	76	80	89	88	111
Electrical.....	21	11	22	13	35	32	67	79	125	173	150	155	195	203
Industrial.....	5	5	6	6	6	13	18	17	27	50	40	43	35	44
Mechanical.....	6	5	6	8	26	17	29	57	57	64	88	96	96	91
Materials.....	10	8	17	30	32	45	45	77	78	95	106	88	83	105
Other.....	14	20	27	31	38	57	82	113	87	129	164	195	189	191
Medical/other life sciences ^a	179	229	301	337	440	475	629	668	777	843	936	899	1,067	1,027
Non-S&E.....	4,446	4,964	5,390	5,481	5,413	5,645	5,775	6,273	6,692	7,286	7,377	7,499	7,663	7,571

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Field, sex, and citizenship	1977	1979	1981	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001
U.S. citizen														
All fields	26,145	25,474	25,068	24,393	23,377	22,984	23,402	25,572	26,448	27,743	28,162	27,984	27,955	26,907
S&E.....	14,313	14,212	14,311	14,133	13,688	13,572	14,198	15,407	15,811	16,426	17,076	16,885	16,812	16,069
Natural sciences	5,541	5,702	5,725	5,767	5,635	5,486	5,620	6,026	6,005	6,109	6,338	6,169	6,265	6,164
Physical sciences.....	2,071	2,040	1,956	2,077	2,050	2,095	1,984	2,120	2,093	2,137	2,131	2,035	1,890	1,860
Earth, atmospheric, and ocean sciences	558	531	472	475	435	410	518	592	463	478	537	474	474	428
Biological sciences	2,912	3,131	3,297	3,215	3,150	2,981	3,118	3,314	3,449	3,494	3,670	3,660	3,901	3,876
Mathematics/computer sciences.....	716	715	650	592	566	588	731	850	921	1,038	960	959	904	833
Mathematics.....	691	552	482	412	377	345	393	462	496	554	530	539	517	468
Computer sciences	25	163	168	180	189	243	338	388	425	484	430	420	387	365
Agricultural sciences.....	489	545	594	649	683	584	606	564	457	492	467	443	447	401
Social/behavioral sciences.....	5,678	5,505	5,621	5,462	4,975	4,750	4,648	5,102	5,321	5,463	5,613	5,856	5,859	5,462
Psychology	2,774	2,852	3,112	3,048	2,805	2,747	2,684	2,953	3,071	3,084	3,041	3,223	3,154	2,938
Social sciences.....	2,904	2,653	2,509	2,414	2,170	2,003	1,964	2,149	2,250	2,379	2,572	2,633	2,705	2,524
Engineering.....	1,475	1,294	1,170	1,164	1,279	1,558	1,864	2,086	2,228	2,386	2,739	2,486	2,217	2,139
Chemical	166	144	131	174	240	294	382	348	324	291	321	333	339	327
Civil	162	153	157	154	130	162	188	173	168	206	249	261	220	222
Electrical.....	383	331	275	259	270	320	440	554	630	683	753	639	530	467
Industrial	39	45	35	27	29	44	51	50	89	108	102	87	67	72
Mechanical	211	192	158	145	193	241	259	297	347	383	456	398	341	385
Materials	133	116	99	118	144	176	173	211	228	238	271	225	221	202
Other	381	313	315	287	273	321	371	453	442	477	587	543	499	464
Medical/other life sciences ^a	414	451	551	499	550	606	729	779	879	938	959	972	1,120	1,070
Non-S&E	11,832	11,262	10,757	10,260	9,689	9,412	9,204	10,165	10,637	11,317	11,086	11,099	11,143	10,838
Male														
All fields	19,172	17,585	16,367	15,140	14,228	13,574	13,396	14,384	14,512	14,966	15,049	14,513	14,146	13,593
S&E.....	11,419	10,822	10,468	9,808	9,309	9,008	9,028	9,609	9,651	9,860	10,139	9,728	9,386	8,962
Natural sciences	4,662	4,629	4,510	4,327	4,192	3,965	3,914	4,175	3,998	3,989	4,079	3,913	3,824	3,775
Physical sciences	1,901	1,826	1,732	1,789	1,726	1,733	1,582	1,707	1,647	1,617	1,658	1,564	1,408	1,393
Earth, atmospheric, and ocean sciences	511	481	425	396	348	328	404	444	351	366	390	338	319	280
Biological sciences	2,250	2,322	2,353	2,142	2,118	1,904	1,928	2,024	2,000	2,006	2,031	2,011	2,097	2,102
Mathematics/computer sciences	625	597	550	489	472	473	566	674	714	790	734	704	687	613
Mathematics.....	604	460	402	336	307	280	300	369	371	422	387	374	373	332
Computer sciences	21	137	148	153	165	193	266	305	343	368	347	330	314	281
Agricultural sciences.....	456	494	506	549	563	468	450	436	333	380	332	298	300	251
Social/behavioral sciences.....	3,981	3,597	3,502	3,152	2,751	2,486	2,276	2,296	2,448	2,426	2,416	2,469	2,468	2,287
Psychology	1,767	1,700	1,747	1,578	1,396	1,259	1,146	1,105	1,200	1,093	988	1,043	1,021	955
Social sciences.....	2,214	1,897	1,755	1,574	1,355	1,227	1,130	1,191	1,248	1,333	1,428	1,426	1,447	1,332

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Field, sex, and citizenship	1977	1979	1981	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001
Engineering	1,433	1,255	1,117	1,080	1,160	1,409	1,615	1,807	1,932	2,012	2,324	2,059	1,798	1,730
Chemical	162	140	123	160	211	250	322	297	265	221	260	268	248	246
Civil	155	152	152	144	121	153	151	152	138	170	204	207	178	163
Electrical	371	324	264	249	250	306	411	510	573	604	679	577	461	423
Industrial	37	41	29	23	25	36	41	39	69	82	77	58	50	50
Mechanical	206	188	154	139	178	231	240	263	314	355	409	346	294	351
Materials	128	111	92	99	125	144	138	164	186	185	213	176	174	155
Other	374	299	303	266	250	289	312	382	387	395	482	427	393	342
Medical/other life sciences ^a	262	250	283	211	171	207	207	221	226	263	254	285	309	306
Non-S&E	7,753	6,763	5,899	5,332	4,919	4,566	4,368	4,775	4,861	5,106	4,910	4,785	4,760	4,631
Female														
All fields	6,973	7,889	8,701	9,253	9,149	9,410	10,006	11,185	11,931	12,775	13,079	13,471	13,806	13,314
S&E	2,894	3,390	3,843	4,325	4,379	4,564	5,170	5,796	6,156	6,564	6,921	7,157	7,425	7,107
Natural sciences	879	1,073	1,215	1,440	1,443	1,521	1,706	1,850	2,007	2,118	2,255	2,256	2,441	2,389
Physical sciences	170	214	224	288	324	362	402	412	446	519	472	471	482	467
Earth, atmospheric, and ocean sciences	47	50	47	79	87	82	114	148	112	112	146	136	155	148
Biological sciences	662	809	944	1,073	1,032	1,077	1,190	1,290	1,449	1,487	1,637	1,649	1,804	1,774
Mathematics/computer sciences	91	118	100	103	94	115	165	176	206	248	225	255	217	220
Mathematics	87	92	80	76	70	65	93	93	124	132	143	165	144	136
Computer sciences	4	26	20	27	24	50	72	83	82	116	82	90	73	84
Agricultural sciences	33	51	88	100	120	116	156	128	124	112	134	145	147	150
Social/behavioral sciences	1,697	1,908	2,119	2,310	2,224	2,264	2,372	2,805	2,870	3,037	3,189	3,387	3,390	3,175
Psychology	1,007	1,152	1,365	1,470	1,409	1,488	1,538	1,847	1,869	1,991	2,046	2,180	2,132	1,983
Social sciences	690	756	754	840	815	776	834	958	1,001	1,046	1,143	1,207	1,258	1,192
Engineering	42	39	53	84	119	149	249	279	296	374	414	427	419	409
Chemical	4	4	8	14	29	44	60	51	59	70	61	65	91	81
Civil	7	1	5	10	9	9	37	21	30	36	45	54	42	59
Electrical	12	7	11	10	20	14	29	44	57	79	74	62	69	44
Industrial	2	4	6	4	4	8	10	11	20	26	25	29	17	22
Mechanical	5	4	4	6	15	10	19	34	33	28	46	52	47	34
Materials	5	5	7	19	19	32	35	47	42	53	58	49	47	47
Other	7	14	12	21	23	32	59	71	55	82	105	116	106	122
Medical/other life sciences ^a	152	201	268	288	379	399	522	558	653	675	704	687	811	764
Non-S&E	4,079	4,499	4,858	4,928	4,770	4,846	4,836	5,389	5,775	6,211	6,158	6,314	6,381	6,207

^aMedical/other life sciences are reported separately from S&E fields in National Science Foundation, Division of Science Resources Statistics (NSF/SRS), higher education publications.

NOTE: For detailed fields, see NSF/SRS, *Science and Engineering Doctorate Awards*, <http://www.nsf.gov/sbe/srs/nsf01325/htmstart.htm>.

SOURCES: NSF/SRS, WebCASPAR database system, <http://caspar.nsf.gov>.