

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
All fields	228,572	239,497	246,810	265,026	273,639	283,035	300,845	328,202	337,818
S&E	37,453	38,262	38,583	41,470	43,393	43,472	46,711	51,672	53,051
Sciences	32,701	33,567	33,420	36,130	37,765	37,898	40,527	44,537	45,444
Agricultural sciences	1,707	1,695	1,709	1,819	1,837	1,997	2,059	2,256	2,220
Biological sciences	3,341	3,518	3,354	3,510	3,755	3,669	4,018	4,487	4,870
Computer sciences	2,850	2,979	3,414	4,868	5,508	5,499	6,091	6,195	5,078
Earth, atmospheric, and ocean sciences	436	487	494	513	564	572	612	701	712
Atmospheric sciences	35	42	52	37	40	46	55	67	70
Earth sciences	347	393	397	434	472	473	501	566	577
Ocean sciences	54	52	45	42	52	53	56	68	65
Mathematics and statistics	1,506	1,489	1,470	1,498	1,389	1,471	1,677	1,950	2,011
Physical sciences	1,450	1,333	1,440	1,215	1,301	1,326	1,324	1,513	1,529
Astronomy	27	32	30	25	36	27	42	53	62
Chemistry	998	927	998	823	825	852	829	950	939
Physics	301	255	255	244	286	286	313	413	427
Other	124	119	157	123	154	161	140	97	101
Psychology	9,373	9,918	9,540	10,293	10,858	10,672	11,100	11,950	12,632
Social sciences	12,038	12,148	11,999	12,414	12,553	12,692	13,646	15,485	16,392
Anthropology	631	712	686	587	689	642	655	721	737
Area and ethnic studies	856	845	842	879	896	879	888	961	988
Economics	1,002	953	944	952	973	1,050	1,161	1,252	1,391
History of science	4	7	7	6	10	17	10	14	12
Linguistics	393	418	389	407	380	360	380	410	433
Political science and public administration	6,654	6,691	6,566	6,720	6,841	6,978	7,723	8,828	9,756
Sociology	1,180	1,142	1,118	1,387	1,258	1,315	1,296	1,358	1,033
Other	1,318	1,380	1,447	1,476	1,506	1,451	1,533	1,941	2,042
Engineering	4,752	4,695	5,163	5,340	5,628	5,574	6,184	7,135	7,607
Aerospace engineering	92	75	81	76	90	125	107	149	164
Chemical engineering	306	332	344	344	352	335	343	417	425
Civil engineering	1,064	1,099	1,154	1,075	1,061	1,063	1,148	1,211	1,322
Electrical engineering	1,196	1,144	1,376	1,558	1,673	1,561	1,902	2,385	2,470
Industrial engineering	624	604	676	648	789	795	844	906	919
Materials engineering	175	174	170	201	173	171	183	199	204
Mechanical engineering	454	419	461	455	448	468	459	563	598
Other	841	848	901	983	1,042	1,056	1,198	1,305	1,505
Non-S&E	191,119	201,235	208,227	223,556	230,246	239,563	254,134	276,530	284,767
U.S. citizen/permanent resident									
All fields	210,372	220,221	226,085	242,244	248,590	256,938	272,030	298,321	307,845
S&E	31,300	31,983	31,669	33,169	34,334	34,383	36,238	40,335	42,036
Sciences	27,940	28,737	28,229	29,856	30,961	30,941	32,702	36,357	37,743
Agricultural sciences	1,447	1,448	1,466	1,601	1,611	1,751	1,804	1,932	1,931
Biological sciences	2,810	3,010	2,850	3,051	3,248	3,177	3,431	3,829	4,125
Computer sciences	1,853	1,867	2,020	2,546	2,774	2,871	3,124	3,461	2,853
Earth, atmospheric, and ocean sciences	374	421	443	456	495	497	544	603	614
Atmospheric sciences	20	32	37	22	28	33	38	50	52
Earth sciences	311	341	364	396	420	419	453	496	506
Ocean sciences	43	48	42	38	47	45	53	57	56
Mathematics and statistics	1,147	1,142	1,100	1,011	888	936	966	1,103	1,211
Physical sciences	964	894	972	832	893	913	944	1,021	1,058
Astronomy	23	28	27	20	28	21	33	38	55
Chemistry	631	602	646	551	559	567	593	635	639

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Physics	195	158	151	151	163	173	181	260	272
Other	115	106	148	110	143	152	137	88	92
Psychology	9,070	9,641	9,193	9,947	10,521	10,325	10,585	11,488	12,147
Social sciences	10,275	10,314	10,185	10,412	10,531	10,471	11,304	12,920	13,804
Anthropology	573	658	634	530	628	582	615	652	694
Area and ethnic studies	779	731	734	736	756	728	738	812	834
Economics	518	486	454	439	434	458	497	557	676
History of science	4	7	6	4	7	16	8	11	8
Linguistics	284	312	293	273	272	244	255	282	299
Political science and public administration	5,812	5,817	5,687	5,837	5,925	5,975	6,640	7,623	8,499
Sociology	1,075	1,035	1,044	1,252	1,165	1,180	1,162	1,211	920
Other	1,230	1,268	1,333	1,341	1,344	1,288	1,389	1,772	1,874
Engineering	3,360	3,246	3,440	3,313	3,373	3,442	3,536	3,978	4,293
Aerospace engineering	72	60	58	51	60	78	67	114	119
Chemical engineering	202	200	219	201	208	192	190	219	226
Civil engineering	836	877	898	819	787	758	787	835	914
Electrical engineering	691	614	688	690	642	715	720	874	868
Industrial engineering	445	431	470	402	507	501	519	580	614
Materials engineering	118	113	110	130	105	110	106	115	128
Mechanical engineering	341	321	345	299	311	323	287	364	389
Other	655	630	652	721	753	765	860	877	1,035
Non-S&E	179,072	188,238	194,416	209,075	214,256	222,555	235,792	257,986	265,809
White									
All fields	165,154	170,411	173,498	179,311	179,684	182,078	188,555	201,469	207,943
S&E	23,175	23,213	22,717	22,749	22,792	22,558	23,336	25,546	26,385
Sciences	20,985	21,108	20,496	20,712	20,751	20,462	21,265	23,284	23,993
Agricultural sciences	1,238	1,211	1,251	1,350	1,328	1,453	1,483	1,580	1,542
Biological sciences	2,165	2,275	2,196	2,278	2,381	2,324	2,471	2,709	2,889
Computer sciences	1,015	965	1,027	1,162	1,163	1,255	1,308	1,396	1,254
Earth, atmospheric, and ocean sciences	331	378	391	410	422	439	473	521	523
Atmospheric sciences	19	25	27	20	23	27	33	43	46
Earth sciences	275	309	329	355	365	371	394	429	426
Ocean sciences	37	44	35	35	34	41	46	49	51
Mathematics and statistics	864	860	815	753	652	683	713	775	829
Physical sciences	707	623	694	597	645	628	673	738	763
Astronomy	19	25	25	17	22	16	23	24	44
Chemistry	439	391	431	367	375	366	396	442	432
Physics	150	112	117	117	126	114	134	196	206
Other	99	95	121	96	122	132	120	76	81
Psychology	7,181	7,557	7,049	7,240	7,343	7,019	7,097	7,670	7,920
Social sciences	7,484	7,239	7,073	6,922	6,817	6,661	7,047	7,895	8,273
Anthropology	471	553	523	413	493	438	472	491	520
Area and ethnic studies	535	508	507	490	451	424	387	481	448
Economics	379	332	318	289	314	324	285	324	389
History of science	4	5	6	4	7	10	4	7	6
Linguistics	224	232	217	210	194	188	186	205	206
Political science and public administration	4,144	3,893	3,745	3,702	3,620	3,588	3,963	4,456	4,921
Sociology	772	757	753	851	788	800	794	790	586
Other	955	959	1,004	963	950	889	956	1,141	1,197
Engineering	2,190	2,105	2,221	2,037	2,041	2,096	2,071	2,262	2,392
Aerospace engineering	52	42	46	39	39	59	58	83	92
Chemical engineering	136	123	131	127	113	107	113	125	124
Civil engineering	605	648	672	593	564	545	543	584	614
Electrical engineering	340	307	299	285	276	314	289	313	278

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Industrial engineering	303	280	310	233	284	282	281	323	296
Materials engineering	85	74	75	89	75	74	72	69	81
Mechanical engineering	233	214	235	204	199	217	183	239	267
Other	436	417	453	467	491	498	532	526	640
Non-S&E	141,979	147,198	150,781	156,562	156,892	159,520	165,219	175,923	181,558
Asian/Pacific Islander									
All fields	8,404	9,327	10,298	11,307	11,802	12,292	13,251	14,639	15,713
S&E	2,428	2,575	2,678	3,045	3,033	3,001	3,318	3,735	3,948
Sciences	1,807	2,014	2,050	2,385	2,406	2,425	2,651	2,932	3,030
Agricultural sciences	61	72	40	58	63	84	63	68	76
Biological sciences	286	324	294	304	305	304	371	429	438
Computer sciences	473	530	629	860	860	812	877	939	830
Earth, atmospheric, and ocean sciences	13	15	18	10	12	16	15	20	17
Atmospheric sciences	1	2	6	2	1	4	1	2	2
Earth sciences	10	12	9	8	8	10	12	15	14
Ocean sciences	2	1	3	0	3	2	2	3	1
Mathematics and statistics	101	116	105	94	104	99	107	147	174
Physical sciences	123	125	110	98	94	98	100	84	106
Astronomy	2	0	1	2	2	2	2	4	4
Chemistry	103	106	93	79	77	71	79	57	77
Physics	16	17	11	12	10	17	13	22	20
Other	2	2	5	5	5	8	6	1	5
Psychology	244	279	289	365	372	411	418	446	455
Social sciences	506	553	565	596	596	601	700	799	934
Anthropology	18	15	23	28	29	28	25	33	30
Area and ethnic studies	51	56	54	53	62	56	74	61	80
Economics	53	69	49	67	40	51	71	71	103
History of science	0	0	0	0	0	2	2	3	0
Linguistics	29	27	33	31	34	21	26	27	31
Political science and public administration	275	278	309	304	327	328	374	443	548
Sociology	36	48	44	45	41	60	72	83	54
Other	44	60	53	68	63	55	56	78	88
Engineering	621	561	628	660	627	576	667	803	918
Aerospace engineering	7	7	4	7	8	6	3	11	10
Chemical engineering	28	28	42	34	46	38	32	50	31
Civil engineering	117	123	105	99	84	76	90	97	119
Electrical engineering	224	195	264	277	239	210	263	349	394
Industrial engineering	42	43	39	45	66	56	73	73	118
Materials engineering	18	20	21	21	17	16	21	24	18
Mechanical engineering	59	50	50	42	46	56	47	52	55
Other	126	95	103	135	121	118	138	147	173
Non-S&E	5,976	6,752	7,620	8,262	8,769	9,291	9,933	10,904	11,765
Black									
All fields	16,590	18,504	19,509	22,996	24,658	26,011	28,314	31,789	33,687
S&E	2,520	2,887	2,828	3,294	3,855	3,855	4,247	4,808	4,916
Sciences	2,310	2,662	2,584	3,087	3,609	3,590	3,966	4,524	4,634
Agricultural sciences	39	40	59	47	51	49	65	59	59
Biological sciences	122	167	122	150	221	200	190	270	279
Computer sciences	201	182	162	255	309	294	364	405	288
Earth, atmospheric, and ocean sciences	5	5	5	5	10	6	9	12	7
Atmospheric sciences	0	1	1	0	1	0	0	2	1

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Earth sciences	4	4	4	4	8	6	9	8	5
Ocean sciences	1	0	0	1	1	0	0	2	1
Mathematics and statistics	71	79	77	52	48	64	49	52	60
Physical sciences	52	65	60	54	59	65	52	67	54
Astronomy	1	1	0	0	0	0	1	0	2
Chemistry	35	45	37	40	42	47	40	54	38
Physics	12	13	10	9	13	12	9	10	11
Other	4	6	13	5	4	6	2	3	3
Psychology	647	814	766	1,035	1,297	1,288	1,457	1,566	1,760
Social sciences	1,173	1,310	1,333	1,489	1,614	1,624	1,780	2,093	2,127
Anthropology	16	19	19	24	31	24	27	23	25
Area and ethnic studies	66	68	62	57	61	76	83	83	87
Economics	39	36	39	23	25	28	28	34	35
History of science	0	1	0	0	0	1	0	0	0
Linguistics	4	9	11	3	7	4	5	2	6
Political science and public administration	739	882	903	988	1,128	1,131	1,264	1,447	1,509
Sociology	171	154	142	234	193	188	173	203	150
Other	138	141	157	160	169	172	200	301	315
Engineering	210	225	244	207	246	265	281	284	282
Aerospace engineering	1	0	1	0	2	0	0	1	2
Chemical engineering	16	23	19	15	19	12	20	14	24
Civil engineering	42	40	45	34	41	38	43	29	37
Electrical engineering	48	47	53	40	49	50	45	58	46
Industrial engineering	43	39	48	41	50	64	71	66	66
Materials engineering	5	5	7	6	2	12	7	11	9
Mechanical engineering	17	21	28	19	26	17	19	19	15
Other	38	50	43	52	57	72	76	86	83
Non-S&E	14,070	15,617	16,681	19,702	20,803	22,156	24,067	26,981	28,771
Hispanic									
All fields	9,322	9,894	10,568	12,799	13,925	14,736	16,140	19,066	20,841
S&E	1,426	1,502	1,667	1,836	2,119	2,116	2,269	2,659	2,839
Sciences	1,258	1,326	1,489	1,635	1,898	1,864	2,043	2,349	2,524
Agricultural sciences	40	54	58	74	74	85	87	98	107
Biological sciences	109	104	95	146	168	141	160	177	229
Computer sciences	51	59	77	89	156	105	189	211	127
Earth, atmospheric, and ocean sciences	10	8	8	12	18	19	7	16	26
Atmospheric sciences	0	2	1	0	0	1	1	1	1
Earth sciences	9	5	6	10	15	17	4	15	24
Ocean sciences	1	1	1	2	3	1	2	0	1
Mathematics and statistics	33	17	39	41	32	30	41	49	60
Physical sciences	37	45	54	37	39	52	58	54	56
Astronomy	0	2	0	0	0	0	2	1	1
Chemistry	26	33	42	29	30	33	43	37	39
Physics	5	9	5	6	4	16	7	10	13
Other	6	1	7	2	5	3	6	6	3
Psychology	495	518	578	607	701	716	736	863	951
Social sciences	483	521	580	629	710	716	765	881	968
Anthropology	23	27	34	21	27	39	28	37	39
Area and ethnic studies	46	43	50	62	67	60	83	75	85
Economics	18	20	17	23	23	19	28	26	38
History of science	0	0	0	0	0	0	0	0	0
Linguistics	16	19	16	15	21	14	18	19	23
Political science and public administration	291	336	337	383	426	423	463	535	596

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Sociology	49	42	60	69	84	84	74	83	69
Other	40	34	66	56	62	77	71	106	118
Engineering	168	176	178	201	221	252	226	310	315
Aerospace engineering	0	4	5	2	3	7	2	8	7
Chemical engineering	14	19	18	15	15	18	15	16	19
Civil engineering	46	36	42	59	51	58	51	61	73
Electrical engineering	30	25	28	34	25	46	35	75	53
Industrial engineering	34	32	42	46	68	70	57	78	84
Materials engineering	9	10	5	6	3	4	1	6	14
Mechanical engineering	14	20	15	12	20	11	17	24	25
Other	21	30	23	27	36	38	48	42	40
Non-S&E	7,896	8,392	8,901	10,963	11,806	12,620	13,871	16,407	18,002
American Indian/Alaskan Native									
All fields	1,028	1,147	1,212	1,321	1,446	1,502	1,648	1,841	1,899
S&E	154	174	190	190	255	219	231	310	268
Sciences	149	167	182	174	238	202	217	283	243
Agricultural sciences	8	8	8	5	7	7	13	14	16
Biological sciences	8	14	12	12	14	20	13	24	18
Computer sciences	7	9	3	10	29	13	20	22	17
Earth, atmospheric, and ocean sciences	1	3	5	2	7	3	5	5	6
Atmospheric sciences	0	0	0	0	0	0	0	0	0
Earth sciences	1	3	3	2	5	3	5	5	6
Ocean sciences	0	0	2	0	2	0	0	0	0
Mathematics and statistics	1	6	6	4	3	1	4	3	6
Physical sciences	3	2	6	3	4	6	7	4	5
Astronomy	0	0	0	0	0	0	0	0	1
Chemistry	2	1	5	3	4	6	5	2	3
Physics	1	1	1	0	0	0	1	2	1
Other	0	0	0	0	0	0	1	0	0
Psychology	56	63	76	54	77	68	73	83	87
Social sciences	65	62	66	84	97	84	82	128	88
Anthropology	7	5	8	10	7	4	5	15	8
Area and ethnic studies	14	15	9	8	14	15	22	15	15
Economics	1	4	3	2	2	4	2	3	3
History of science	0	0	0	0	0	1	0	0	0
Linguistics	1	1	2	1	1	2	1	2	5
Political science and public administration	24	20	26	33	44	40	37	69	47
Sociology	15	10	12	23	18	12	10	13	4
Other	3	7	6	7	11	6	5	11	6
Engineering	5	7	8	16	17	17	14	27	25
Aerospace engineering	2	0	0	0	0	2	0	4	0
Chemical engineering	0	0	0	1	1	1	0	0	2
Civil engineering	0	1	2	4	2	6	3	4	5
Electrical engineering	1	0	2	1	3	3	3	3	3
Industrial engineering	0	2	1	3	5	1	1	6	7
Materials engineering	0	0	0	2	1	0	0	0	0
Mechanical engineering	1	0	2	0	2	2	3	5	1
Other	1	4	1	5	3	2	4	5	7
Non-S&E	874	973	1,022	1,131	1,191	1,283	1,417	1,531	1,631
Other or unknown race/ethnicity									
All fields	9,874	10,938	11,000	14,510	17,075	20,319	24,122	29,517	27,762
S&E	1,597	1,632	1,589	2,055	2,280	2,634	2,837	3,277	3,680

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Sciences	1,431	1,460	1,428	1,863	2,059	2,398	2,560	2,985	3,319
Agricultural sciences	61	63	50	67	88	73	93	113	131
Biological sciences	120	126	131	161	159	188	226	220	272
Computer sciences	106	122	122	170	257	392	366	488	337
Earth, atmospheric, and ocean sciences	14	12	16	17	26	14	35	29	35
Atmospheric sciences	0	2	2	0	3	1	3	2	2
Earth sciences	12	8	13	17	19	12	29	24	31
Ocean sciences	2	2	1	0	4	1	3	3	2
Mathematics and statistics	77	64	58	67	49	59	52	77	82
Physical sciences	42	34	48	43	52	64	54	74	74
Astronomy	1	0	1	1	4	3	5	9	3
Chemistry	26	26	38	33	31	44	30	43	50
Physics	11	6	7	7	10	14	17	20	21
Other	4	2	2	2	7	3	2	2	0
Psychology	447	410	435	646	731	823	804	860	974
Social sciences	564	629	568	692	697	785	930	1,124	1,414
Anthropology	38	39	27	34	41	49	58	53	72
Area and ethnic studies	67	41	52	66	101	97	89	97	119
Economics	28	25	28	35	30	32	83	99	108
History of science	0	1	0	0	0	2	2	1	2
Linguistics	10	24	14	13	15	15	19	27	28
Political science and public administration	339	408	367	427	380	465	539	673	878
Sociology	32	24	33	30	41	36	39	39	57
Other	50	67	47	87	89	89	101	135	150
Engineering	166	172	161	192	221	236	277	292	361
Aerospace engineering	10	7	2	3	8	4	4	7	8
Chemical engineering	8	7	9	9	14	16	10	14	26
Civil engineering	26	29	32	30	45	35	57	60	66
Electrical engineering	48	40	42	53	50	92	85	76	94
Industrial engineering	23	35	30	34	34	28	36	34	43
Materials engineering	1	4	2	6	7	4	5	5	6
Mechanical engineering	17	16	15	22	18	20	18	25	26
Other	33	34	29	35	45	37	62	71	92
Non-S&E	8,277	9,306	9,411	12,455	14,795	17,685	21,285	26,240	24,082
Temporary resident									
All fields	18,200	19,276	20,725	22,782	25,049	26,097	28,815	29,881	29,973
S&E	6,153	6,279	6,914	8,301	9,059	9,089	10,473	11,337	11,015
Sciences	4,761	4,830	5,191	6,274	6,804	6,957	7,825	8,180	7,701
Agricultural sciences	260	247	243	218	226	246	255	324	289
Biological sciences	531	508	504	459	507	492	587	658	745
Computer sciences	997	1,112	1,394	2,322	2,734	2,628	2,967	2,734	2,225
Earth, atmospheric, and ocean sciences	62	66	51	57	69	75	68	98	98
Atmospheric sciences	15	10	15	15	12	13	17	17	18
Earth sciences	36	52	33	38	52	54	48	70	71
Ocean sciences	11	4	3	4	5	8	3	11	9
Mathematics and statistics	359	347	370	487	501	535	711	847	800
Physical sciences	486	439	468	383	408	413	380	492	471
Astronomy	4	4	3	5	8	6	9	15	7
Chemistry	367	325	352	272	266	285	236	315	300
Physics	106	97	104	93	123	113	132	153	155
Other	9	13	9	13	11	9	3	9	9
Psychology	303	277	347	346	337	347	515	462	485

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Social sciences	1,763	1,834	1,814	2,002	2,022	2,221	2,342	2,565	2,588
Anthropology	58	54	52	57	61	60	40	69	43
Area and ethnic studies	77	114	108	143	140	151	150	149	154
Economics	484	467	490	513	539	592	664	695	715
History of science	0	0	1	2	3	1	2	3	4
Linguistics	109	106	96	134	108	116	125	128	134
Political science and public administration	842	874	879	883	916	1,003	1,083	1,205	1,257
Sociology	105	107	74	135	93	135	134	147	113
Other	88	112	114	135	162	163	144	169	168
Engineering	1,392	1,449	1,723	2,027	2,255	2,132	2,648	3,157	3,314
Aerospace engineering	20	15	23	25	30	47	40	35	45
Chemical engineering	104	132	125	143	144	143	153	198	199
Civil engineering	228	222	256	256	274	305	361	376	408
Electrical engineering	505	530	688	868	1,031	846	1,182	1,511	1,602
Industrial engineering	179	173	206	246	282	294	325	326	305
Materials engineering	57	61	60	71	68	61	77	84	76
Mechanical engineering	113	98	116	156	137	145	172	199	209
Other	186	218	249	262	289	291	338	428	470
Non-S&E	12,047	12,997	13,811	14,481	15,990	17,008	18,342	18,544	18,958

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1996–2005.