

Table 259.—Bachelor's, master's, and doctor's degrees conferred by degree-granting institutions, by sex of student and field of study: 1998–99

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	1,200,303	518,746	681,557	439,986	186,148	253,838	44,077	25,146	18,931
Agriculture and natural resources, total	23,930	13,873	10,057	4,417	2,381	2,036	1,248	869	379
Agricultural business and production, total	5,461	3,662	1,799	562	362	200	205	152	53
Agricultural business and management, total	3,571	2,434	1,137	446	290	156	172	127	45
Agricultural business and management, general	873	579	294	72	50	22	0	0	0
Agricultural business/agribusiness operations	1,168	806	362	20	13	7	0	0	0
Agricultural economics	1,158	788	370	349	222	127	172	127	45
Agricultural business and management, other	372	261	111	5	5	0	0	0	0
Agricultural mechanization	242	218	24	3	3	0	0	0	0
Agricultural production workers and managers	237	142	95	38	27	11	11	9	2
Horticulture service operations and management	671	440	231	31	17	14	11	8	3
International agriculture	14	8	6	5	1	4	0	0	0
Agricultural business and production, other	726	420	306	39	24	15	11	8	3
Agricultural sciences, total	8,399	4,309	4,090	1,550	796	754	697	483	214
Agriculture/agricultural sciences, general	1,316	850	466	170	102	68	2	2	0
Animal sciences, total	3,938	1,625	2,313	415	206	209	169	112	57
Animal sciences, general	3,445	1,393	2,052	320	157	163	122	82	40
Agricultural animal breeding and genetics	35	19	16	5	2	3	13	9	4
Agricultural animal health	2	0	2	6	5	1	0	0	0
Agricultural animal nutrition	0	0	0	8	4	4	4	3	1
Dairy science	87	43	44	19	13	6	5	2	3
Poultry science	125	82	43	28	14	14	9	6	3
Animal sciences, other	244	88	156	29	11	18	16	10	6
Food sciences and technology	649	234	415	297	106	191	144	73	71
Plant sciences, total	2,099	1,382	717	515	299	216	310	240	70
Plant sciences, general	424	288	136	59	31	28	49	33	16
Agronomy and crop science	644	513	131	209	133	76	150	122	28
Horticulture science	773	397	376	151	76	75	64	46	18
Plant breeding and genetics	0	0	0	11	7	4	7	6	1
Agricultural plant pathology	14	9	5	7	4	3	7	7	0
Plant protection (pest management)	41	30	11	16	10	6	3	3	0
Range science and management	91	58	33	44	25	19	20	14	6
Plant sciences, other	112	87	25	18	13	5	10	9	1
Soil sciences	129	85	44	94	54	40	64	50	14
Agriculture/agricultural sciences, other	268	133	135	59	29	30	8	6	2
Conservation and renewable natural resources, total	10,070	5,902	4,168	2,305	1,223	1,082	346	234	112
Natural resources conservation, general	5,849	3,034	2,815	1,285	607	678	150	93	57
Natural resources management and policy	651	428	223	193	104	89	3	2	1
Fishing and fisheries sciences and management	179	137	42	83	62	21	23	16	7
Forest harvesting and production technology/technician	196	142	54	16	13	3	15	14	1
Forestry, general	1,548	1,179	369	489	295	194	117	80	37
Wildlife and wildlands management	1,177	717	460	168	99	69	21	16	5
Conservation and renewable natural resources, other	470	265	205	71	43	28	17	13	4
Architecture and related programs, total	8,246	5,157	3,089	4,172	2,394	1,778	123	80	43
Architecture	4,888	3,337	1,551	2,238	1,406	832	51	36	15
City/urban, community, and regional planning	437	289	148	1,291	685	606	57	33	24
Architectural environmental design	709	440	269	28	8	20	0	0	0
Interior architecture	687	108	579	14	3	11	0	0	0
Landscape architecture	929	618	311	341	145	196	0	0	0
Architectural urban design and planning	0	0	0	78	49	29	4	4	0
Architecture and related programs, other	596	365	231	182	98	84	11	7	4
Area, ethnic, and cultural studies, total	6,252	2,023	4,229	1,500	600	900	197	90	107
Area studies, total	3,625	1,370	2,255	1,068	466	602	147	73	74
African studies	24	5	19	14	7	7	6	6	0
American studies/civilization	1,493	543	950	214	70	144	78	32	46
Latin American studies	444	143	301	221	99	122	11	3	8
Middle Eastern studies	104	52	52	83	42	41	22	12	10
Russian and Slavic studies	101	35	66	78	31	47	1	1	0
Asian studies	813	357	456	266	138	128	23	17	6
European studies	134	33	101	70	21	49	2	0	2
Area studies, other	512	202	310	122	58	64	4	2	2
Ethnic and cultural studies, total	1,879	378	1,501	205	52	153	26	10	16
Afro-American (black) studies	630	186	444	84	34	50	10	3	7
Hispanic-American studies	214	76	138	16	6	10	0	0	0
Women's studies	726	12	714	65	2	63	2	0	2
Ethnic studies, other	309	104	205	40	10	30	14	7	7
Area, ethnic and cultural studies, other	748	275	473	227	82	145	24	7	17
Biological sciences/life sciences, total	65,014	28,254	36,760	6,192	2,839	3,353	4,619	2,669	1,950
Biology, general	46,078	19,402	26,676	2,608	1,204	1,404	711	409	302

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	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Biochemistry and biophysics	3,978	2,094	1,884	330	158	172	624	370	254
Botany, total	417	180	237	210	108	102	235	155	80
Botany, general	363	156	207	118	59	59	122	87	35
Plant pathology	1	1	0	75	39	36	80	52	28
Botany, other	53	23	30	17	10	7	33	16	17
Cell and molecular biology, total	2,491	1,235	1,256	250	109	141	585	329	256
Cell biology	299	159	140	43	18	25	162	90	72
Molecular biology	705	371	334	122	53	69	247	137	110
Cell and molecular biology, other	1,487	705	782	85	38	47	176	102	74
Microbiology/bacteriology	2,768	1,308	1,460	355	153	202	365	209	156
Miscellaneous biological specializations, total	3,921	1,559	2,362	1,411	536	875	1,077	602	475
Anatomy	101	64	37	66	37	29	60	35	25
Ecology	997	455	542	169	86	83	112	66	46
Marine/aquatic biology	831	318	513	94	40	54	42	24	18
Neurosciences	458	205	253	49	31	18	238	139	99
Nutritional sciences	506	70	436	339	56	283	75	28	47
Toxicology	69	26	43	70	29	41	84	49	35
Genetics, plant and animal	302	122	180	142	43	99	213	111	102
Biometrics	17	8	9	43	23	20	30	23	7
Miscellaneous specialized areas, other	640	291	349	439	191	248	223	127	96
Zoology, total	3,507	1,607	1,900	739	408	331	800	477	323
Zoology, general	2,720	1,232	1,488	219	106	113	147	94	53
Entomology	104	53	51	142	82	60	114	78	36
Pathology, human and animal	9	3	6	46	27	19	97	56	41
Pharmacology, human and animal	72	38	34	94	44	50	247	136	111
Physiology, human and animal	597	279	318	238	149	89	195	113	82
Zoology, other	5	2	3	0	0	0	0	0	0
Biological sciences/life sciences, other	1,854	869	985	289	163	126	222	118	104
Business management, administrative services and marketing operations/marketing and distribution, total	242,236	123,158	119,078	108,085	65,113	42,972	1,202	844	358
Business management and administrative services, total	238,074	121,488	116,586	107,497	64,811	42,686	1,198	844	354
Business, general	22,901	11,781	11,120	10,725	6,812	3,913	207	148	59
Business administration and management, total	89,768	45,482	44,286	65,328	40,450	24,878	638	466	172
Office supervision and management	607	138	469	46	18	28	0	0	0
Operations management and supervision	1,901	1,313	588	2,804	1,598	1,206	10	10	0
Business administration and management, other	87,260	44,031	43,229	62,478	38,834	23,644	628	456	172
Accounting	37,362	15,521	21,841	4,789	2,231	2,558	45	29	16
Secretarial and related programs	313	70	243	69	28	41	0	0	0
Business/managerial economics	2,868	1,766	1,102	189	118	71	50	36	14
Small business management and ownership	508	327	181	115	66	49	0	0	0
Finance, general and banking and financial support services	22,850	14,970	7,880	5,425	3,764	1,661	37	27	10
Actuarial sciences	244	139	105	85	49	36	0	0	0
Insurance and risk management	524	307	217	184	136	48	7	6	1
Investments and securities and financial planning	392	235	157	359	250	109	0	0	0
Hospitality services management	5,792	2,601	3,191	432	188	244	2	1	1
Human resources management	4,797	1,764	3,033	2,365	699	1,666	32	15	17
Labor/personnel relations and studies	715	353	362	605	248	357	21	13	8
Organizational behavior studies	1,591	690	901	1,487	673	814	40	18	22
International business	3,765	1,859	1,906	3,538	2,112	1,426	6	6	0
Business information systems, total	12,563	7,817	4,746	3,945	2,534	1,411	5	4	1
Management information systems and data processing, general	11,192	6,836	4,356	3,107	1,984	1,123	4	3	1
Business information systems, other	1,371	981	390	838	550	288	1	1	0
Quantitative methods and management science, total	2,560	1,530	1,030	1,223	784	439	35	24	11
Business statistics	22	16	6	17	7	10	10	3	7
Management science, other	2,538	1,514	1,024	1,206	777	429	25	21	4
Marketing management and research	23,058	11,583	11,475	1,976	986	990	30	18	12
Real estate	397	277	120	193	147	46	0	0	0
Taxation	29	2	27	1,349	742	607	0	0	0
Consumer and personal services	347	198	149	0	0	0	0	0	0
Business management and administrative services, other	4,730	2,216	2,514	3,116	1,794	1,322	43	33	10
Marketing operations/marketing and distribution, total	4,162	1,670	2,492	588	302	286	4	0	4
Apparel and accessories marketing operations	951	55	896	0	1	1	4	0	4
Business and personal services marketing operations	76	33	43	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	2,219	1,107	1,112	316	157	159	0	0	0
Transportation and travel marketing	198	62	136	24	8	16	0	0	0
Marketing and distribution, other	718	413	305	246	136	110	0	0	0
Communications and communications technologies, total	52,319	20,861	31,458	5,618	2,032	3,586	352	183	169
Communications, total	51,384	20,298	31,086	5,293	1,847	3,446	347	181	166
Communications, general	24,743	9,474	15,269	2,168	724	1,444	220	117	103
Advertising	2,847	1,058	1,789	208	78	130	5	3	2
Journalism	9,141	3,284	5,857	1,256	407	849	32	17	15
Broadcast journalism	622	250	372	22	5	17	0	0	0

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1	2	3	4	5	6	7	8	9	10
Public relations and organizational communications	2,714	772	1,942	225	46	179	0	0	0
Radio and television broadcasting	5,413	2,933	2,480	308	136	172	11	3	8
Communications, other	5,904	2,527	3,377	1,106	451	655	79	41	38
Communications technologies, total	935	563	372	325	185	140	5	2	3
Photographic technology	8	2	6	0	0	0	0	0	0
Radio and television technology	622	350	272	165	90	75	5	2	3
Communications technologies, other	305	211	94	160	95	65	0	0	0
Computer and information sciences, total	29,345	21,392	7,953	12,250	8,458	3,792	800	649	151
Computer and information sciences, general	17,887	13,557	4,330	8,162	5,768	2,394	610	509	101
Computer programming	234	171	63	90	58	32	0	0	0
Data processing technology/technician	214	123	91	0	0	0	0	0	0
Information science and systems	5,622	3,508	2,114	2,133	1,350	783	50	29	21
Computer systems analysis	117	94	23	61	40	21	3	3	0
Computer and information sciences, other	5,271	3,939	1,332	1,804	1,242	562	137	108	29
Education, total	107,172	26,226	80,946	119,427	28,263	91,164	6,841	2,423	4,418
Education, general	1,909	346	1,563	15,224	3,576	11,648	1,101	384	717
Bilingual/bicultural education	91	4	87	612	154	458	51	15	36
Curriculum and instruction	2	1	1	10,270	2,022	8,248	897	248	649
Education administration and supervision, total	43	12	31	14,382	5,631	8,751	2,315	919	1,396
Education administration and supervision, general	1	0	1	10,103	4,013	6,090	1,695	668	1,027
Administration of special education	0	0	0	9	1	8	3	0	3
Adult and continuing education administration	13	10	3	199	48	151	93	44	49
Educational supervision	0	0	0	786	272	514	39	9	30
Elementary, middle, and secondary education administration	16	0	16	2,238	929	1,309	58	17	41
Higher education administration	4	0	4	495	162	333	273	122	151
Community and junior college education administration	0	0	0	13	5	8	2	1	1
Education administration and supervision, other	9	2	7	539	201	338	152	58	94
Educational/instructional media design	48	18	30	1,890	595	1,295	39	23	16
Educational evaluation and research, general	0	0	0	32	13	19	26	15	11
Educational statistics and research methods	0	0	0	31	11	20	34	13	21
Educational assessment, testing and measurement	0	0	0	68	17	51	11	5	6
Social and philosophical foundations of education	75	12	63	281	71	210	84	37	47
Special education, total	9,646	1,052	8,594	12,267	1,795	10,472	200	44	156
Special education, general	6,820	791	6,029	9,826	1,501	8,325	163	34	129
Education of the deaf and hearing impaired	286	18	268	197	26	171	2	0	2
Education of the gifted and talented	9	1	8	200	15	185	2	1	1
Education of the emotionally handicapped	318	44	274	265	62	203	0	0	0
Education of the mentally handicapped	442	45	397	84	9	75	1	0	1
Education of the multiple handicapped	131	15	116	264	32	232	2	2	0
Education of the physically handicapped	41	4	37	64	9	55	2	1	1
Education of the blind and visually handicapped	17	1	16	26	1	25	0	0	0
Education of the specific learning disabled	587	65	522	649	66	583	15	4	11
Education of the speech impaired	599	21	578	269	7	262	0	0	0
Special education, other	396	47	349	423	67	356	13	2	11
Counselor education/counseling and guidance services	43	10	33	12,453	2,584	9,869	341	123	218
General teacher education, total	59,989	8,536	51,453	27,376	5,163	22,213	358	105	253
Adult and continuing education	41	10	31	842	234	608	137	36	101
Elementary education	47,105	6,118	40,987	13,904	1,773	12,131	54	11	43
Junior high/intermediate/middle school education	1,401	289	1,112	834	177	657	3	0	3
Pre-elementary/early childhood/kindergarten education	6,524	250	6,274	2,186	78	2,108	39	1	38
Secondary education	3,893	1,704	2,189	5,274	1,944	3,330	44	26	18
Teacher education, general programs, other	1,025	165	860	4,336	957	3,379	81	31	50
Teacher education, academic and vocational programs	33,914	15,699	18,215	16,840	5,014	11,826	669	267	402
Agricultural education (vocational)	519	293	226	293	135	158	44	22	22
Art education	1,577	334	1,243	661	120	541	26	9	17
Business education (vocational)	891	236	655	318	120	198	12	4	8
Driver and safety education	27	24	3	18	10	8	0	0	0
English education	2,626	554	2,072	846	187	659	21	3	18
Foreign languages education	290	56	234	280	62	218	12	6	6
Health education	2,048	539	1,509	756	173	583	45	7	38
Home economics education (vocational)	305	6	299	54	5	49	6	1	5
Technology/industrial arts education	1,071	854	217	364	225	139	13	11	2
Marketing operations/marketing and distribution education	56	28	28	5	1	4	0	0	0
Mathematics education	1,518	591	927	831	274	557	43	19	24
Music education	3,104	1,305	1,799	720	285	435	76	34	42
Physical education and coaching	12,435	7,101	5,334	2,935	1,574	1,361	165	88	77
Reading education	137	13	124	4,144	242	3,902	55	3	52
Science education	1,205	505	700	745	273	472	39	17	22
Social science education	898	493	405	183	95	88	2	2	0
Social studies education	1,855	1,069	786	533	318	215	2	1	1
Technical education (vocational)	137	90	47	238	71	167	32	16	16
Trade and industrial education (vocational)	1,032	706	326	404	163	241	39	10	29
Teacher education, academic and vocational programs, other	2,183	902	1,281	2,512	681	1,831	37	14	23

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	Total	Men	Women	Total	Men	Women	Total	Men	Women
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Teaching English as a second language/foreign language	83	17	66	1,792	358	1,434	9	3	6
Education, other	1,329	519	810	5,909	1,259	4,650	706	222	484
Engineering and engineering-related technologies, total	71,904	59,187	12,717	26,558	21,268	5,290	5,427	4,649	778
Engineering, total	57,918	46,579	11,339	25,544	20,505	5,039	5,422	4,644	778
Engineering, general	2,010	1,656	354	1,237	981	256	200	177	23
Aerospace, aeronautical, and astronautical engineering	1,169	977	192	551	478	73	198	180	18
Agricultural engineering	699	527	172	173	115	58	75	64	11
Architectural engineering	569	442	127	36	25	11	7	3	4
Bioengineering and biomedical engineering	1,032	666	366	449	294	155	214	164	50
Ceramic sciences and engineering	163	125	38	61	55	6	35	24	11
Chemical engineering	6,033	3,911	2,122	1,130	836	294	572	470	102
Civil engineering	9,121	7,125	1,996	3,648	2,822	826	543	463	80
Computer engineering	3,679	3,232	447	1,286	968	318	148	134	14
Electrical, electronics, and communications engineering	12,531	10,839	1,692	6,690	5,659	1,031	1,303	1,160	143
Engineering mechanics	102	83	19	89	79	10	65	53	12
Engineering physics	222	187	35	57	50	7	25	23	2
Engineering science	244	187	57	280	223	57	56	49	7
Environmental/environmental health engineering	697	433	264	721	464	257	71	56	15
Geological engineering	140	93	47	27	22	5	13	10	3
Geophysical engineering	18	11	7	4	3	1	0	0	0
Industrial/manufacturing engineering	3,428	2,404	1,024	1,985	1,516	469	240	185	55
Material engineering	462	340	122	516	387	129	308	249	59
Mechanical engineering	12,705	11,040	1,665	3,258	2,859	399	774	693	81
Metallurgical engineering	214	158	56	99	77	22	51	44	7
Mining and mineral engineering	166	148	18	44	37	7	16	15	1
Naval architecture and marine engineering	277	249	28	30	28	2	5	5	0
Nuclear engineering	123	109	14	154	123	31	82	73	9
Ocean engineering	145	121	24	73	57	16	16	15	1
Petroleum engineering	225	198	27	108	93	15	35	32	3
Systems engineering	428	341	87	560	451	109	64	56	8
Textile sciences and engineering	220	122	98	50	24	26	16	10	6
Engineering, other	1,096	855	241	2,228	1,779	449	290	237	53
Engineering-related technologies, total	13,986	12,608	1,378	1,014	763	251	5	5	0
Architectural engineering technologies	483	426	57	0	0	0	0	0	0
Civil technologies	437	405	32	0	0	0	0	0	0
Electrical and electronic technologies	3,862	3,527	335	16	14	2	0	0	0
Electromechanical instrumentation and maintenance technologies	497	453	44	0	0	0	0	0	0
Environmental control technologies	205	154	51	196	149	47	0	0	0
Industrial production technologies	3,420	3,012	408	266	210	56	2	2	0
Quality control and safety technologies	466	383	83	228	151	77	0	0	0
Mechanical and related technologies	1,575	1,467	108	0	0	0	0	0	0
Mining and petroleum technologies	14	14	0	1	1	0	0	0	0
Surveying	139	123	16	11	11	0	3	3	0
Mechanics and repairers	39	38	1	0	0	0	0	0	0
Construction trades	204	187	17	7	4	3	0	0	0
Engineering and related technologies, other	2,645	2,419	226	289	223	66	0	0	0
English language and literature/letters, total	50,535	16,490	34,045	7,478	2,504	4,974	1,540	612	928
English language and literature, general	37,635	11,903	25,732	4,818	1,647	3,171	1,121	442	679
Comparative literature	735	205	530	190	62	128	133	52	81
English composition	326	120	206	26	6	20	9	2	7
English creative writing	1,065	427	638	1,295	498	797	10	5	5
American literature (United States)	52	16	36	7	4	3	11	3	8
English literature (British and Commonwealth)	1,310	459	851	221	58	163	73	32	41
Speech and rhetorical studies	8,014	2,944	5,070	613	156	457	133	57	76
English technical and business writing	232	75	157	211	45	166	1	1	0
English language and literature/letters, other	1,166	341	825	97	28	69	49	18	31
Foreign languages and literatures, total	14,962	4,496	10,466	2,860	887	1,973	904	381	523
Foreign languages and literatures, total	1,624	461	1,163	817	252	565	251	113	138
Foreign languages and literatures, general	918	255	663	261	77	184	48	22	26
Linguistics	706	206	500	556	175	381	203	91	112
East and Southeast Asian languages and literatures, total	653	363	290	101	37	64	37	18	19
Chinese	178	93	85	20	7	13	14	5	9
Japanese	370	209	161	43	14	29	9	6	3
East and Southeast Asian languages, other	105	61	44	38	16	22	14	7	7
East European languages and literatures, total	426	212	214	76	27	49	38	14	24
Russian languages	394	195	199	29	11	18	4	2	2
Slavic languages (other than Russian)	26	14	12	40	14	26	33	11	22
East European languages, other	6	3	3	7	2	5	1	1	0

Table 259.—Bachelor's, master's, and doctor's degrees conferred by degree-granting institutions, by sex of student and field of study: 1998–99—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Germanic languages and literatures, total	1,276	529	747	259	91	168	87	37	50
German	1,246	513	733	238	84	154	77	31	46
Scandinavian languages	18	13	5	6	2	4	1	1	0
Germanic languages, other	12	3	9	15	5	10	9	5	4
South Asian languages and literatures	3	2	1	9	7	2	5	2	3
Romance languages and literatures, total	9,932	2,452	7,480	1,208	307	901	363	128	235
French	2,555	500	2,055	357	77	280	116	39	77
Italian	260	69	191	41	7	34	12	4	8
Portuguese	36	15	21	4	2	2	5	2	3
Spanish	6,964	1,851	5,113	694	191	503	152	58	94
Romance languages, other	117	17	100	112	30	82	78	25	53
Middle Eastern languages and literatures, total	60	22	38	50	32	18	13	10	3
Arabic	13	4	9	3	1	2	1	0	1
Hebrew	27	6	21	20	13	7	1	1	0
Middle East languages, other	20	12	8	27	18	9	11	9	2
Classical and ancient Near East languages and literatures, total ...	800	396	404	180	86	94	66	39	27
Classics	683	345	338	151	75	76	62	36	26
Greek (ancient and medieval)	30	15	15	14	5	9	2	1	1
Latin (ancient and medieval)	87	36	51	15	6	9	2	2	0
Foreign languages, other	188	59	129	160	48	112	44	20	24
Health professions and related sciences, total	82,622	14,520	68,102	40,589	9,434	31,155	2,535	1,037	1,498
Communication disorders sciences and services	7,121	419	6,702	5,682	343	5,339	92	28	64
Community health liaison	814	177	637	240	55	185	0	0	0
Dentistry	0	0	0	396	249	147	38	23	15
Dental services	1,071	40	1,031	20	9	11	0	0	0
Epidemiology	7	1	6	499	193	306	113	44	69
Health services administration, total	4,302	1,035	3,267	4,346	1,560	2,786	77	36	41
Health services administration	2,326	536	1,790	2,871	1,040	1,831	49	23	26
Medical records administration	690	116	574	15	5	10	0	0	0
Medical records technology/technician	0	0	0	1	1	0	5	3	2
Health and medical administrative services, other	1,286	383	903	1,459	514	945	23	10	13
Health and medical assistants, total	1,976	796	1,180	1,481	717	764	0	0	0
Medical assistant	3	0	3	0	0	0	0	0	0
Physician assistant	1,819	765	1,054	1,408	693	715	0	0	0
Health and medical assistants, other	154	31	123	73	24	49	0	0	0
Health and medical diagnostic and treatment services, total	1,875	595	1,280	34	26	8	5	5	0
Respiratory therapy technology/technician	497	168	329	1	1	0	0	0	0
Health and medical diagnostic and treatment services, other	1,378	427	951	33	25	8	5	5	0
Medical laboratory technologies, total	2,369	678	1,691	465	170	295	114	50	64
Medical technology	2,015	551	1,464	60	19	41	1	0	1
Health and medical laboratory technologies/technicians, other ...	354	127	227	405	151	254	113	50	63
Pre-dentistry studies	143	84	59	0	0	0	0	0	0
Pre-medicine studies	635	333	302	0	0	0	0	0	0
Pre-pharmacy studies	2	0	2	0	0	0	0	0	0
Pre-veterinary studies	298	99	199	10	6	4	5	4	1
Medical basic sciences	526	181	345	580	279	301	579	313	266
Mental health services, total	640	105	535	543	122	421	7	0	7
Alcohol/drug abuse counseling	102	32	70	50	19	31	0	0	0
Psychiatric/mental health services technician	108	14	94	43	7	36	0	0	0
Clinical and medical social work	134	19	115	71	15	56	5	0	5
Mental health services, other	296	40	256	379	81	298	2	0	2
Nursing	41,994	4,511	37,483	11,840	1,136	10,704	431	20	411
Optometry	93	49	44	16	6	10	8	2	6
Pharmacy	4,237	1,654	2,583	304	146	158	298	161	137
Rehabilitation/therapeutic services, total	8,678	1,905	6,773	8,062	2,250	5,812	178	77	101
Art therapy	103	12	91	318	32	286	0	0	0
Dance therapy	4	0	4	24	2	22	0	0	0
Music therapy	199	31	168	43	5	38	0	0	0
Occupational therapy	3,707	542	3,165	1,616	240	1,376	20	5	15
Orthotics/prosthetics	44	19	25	0	0	0	0	0	0
Physical therapy	3,062	972	2,090	5,161	1,761	3,400	134	59	75
Recreational therapy	233	28	205	5	1	4	0	0	0
Vocational rehabilitation counseling	250	33	217	500	119	381	13	6	7
Rehabilitative services, other	1,076	268	808	395	90	305	11	7	4
Veterinary medicine	0	0	0	158	78	80	114	70	44
Miscellaneous health professions	933	393	540	1,004	459	545	132	52	80
Health professions and related sciences, other	4,908	1,465	3,443	4,909	1,630	3,279	344	152	192
Home economics and vocational home economics, total	17,689	2,100	15,589	2,880	442	2,438	361	97	264
Home economics, total	17,223	1,918	15,305	2,847	434	2,413	361	97	264
Home economics, general	2,405	179	2,226	312	21	291	39	17	22
Home economics business services	97	18	79	1	0	1	0	0	0
Family and community studies	483	63	420	82	19	63	2	2	0
Family and consumer resource management	1,584	484	1,100	85	16	69	23	4	19
Food and nutrition studies	4,253	504	3,749	608	69	539	45	14	31

Table 259.—Bachelor's, master's, and doctor's degrees conferred by degree-granting institutions, by sex of student and field of study: 1998–99—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Housing studies	371	67	304	10	5	5	8	3	5
Individual and family development studies	6,513	509	6,004	1,643	293	1,350	219	51	168
Clothing/apparel and textile studies	1,377	84	1,293	77	11	66	17	5	12
Home economics, other	140	10	130	29	0	29	8	1	7
Vocational home economics, total	466	182	284	33	8	25	0	0	0
Child care and guidance management	127	10	117	12	0	12	0	0	0
Vocational home economics, other	339	172	167	21	8	13	0	0	0
Law and legal studies, total	1,901	534	1,367	3,308	1,967	1,341	58	34	24
Pre-law studies	132	67	65	0	0	0	0	0	0
Paralegal/legal assistant	1,049	178	871	57	18	39	0	0	0
Law and legal studies, other	720	289	431	3,251	1,949	1,302	58	34	24
Liberal arts and sciences, general studies, and humanities, total	34,772	12,171	22,601	3,101	1,186	1,915	78	42	36
Liberal arts and sciences/liberal studies	21,243	6,417	14,826	2,024	804	1,220	21	11	10
Humanities/humanistic studies	2,588	861	1,727	599	230	369	46	24	22
Liberal arts and sciences, general studies, other	10,941	4,893	6,048	478	152	326	11	7	4
Library science, total	78	31	47	4,752	991	3,761	55	16	39
Library science/librarianship	72	31	41	4,631	961	3,670	49	12	37
Library science, other	6	0	6	121	30	91	6	4	2
Mathematics, total	12,539	6,545	5,994	3,466	2,027	1,439	1,124	830	294
Mathematics	10,647	5,417	5,230	2,103	1,199	904	759	560	199
Applied mathematics, total	1,347	807	540	521	336	185	159	121	38
Applied mathematics, general and other	774	443	331	341	210	131	125	94	31
Operations research (quantitative methods)	573	364	209	180	126	54	34	27	7
Mathematical statistics	333	196	137	737	422	315	189	135	54
Mathematics, other	212	125	87	105	70	35	17	14	3
Multi/interdisciplinary studies, total	26,581	8,738	17,843	2,663	1,049	1,614	441	224	217
Biological and physical sciences	2,553	1,211	1,342	342	161	181	27	23	4
Systems science and theory	85	47	38	131	56	75	7	4	3
Museology/museum studies	2	0	2	133	29	104	0	0	0
Multi/interdisciplinary studies, other	23,941	7,480	16,461	2,057	803	1,254	407	197	210
Parks, recreation, leisure, and fitness studies, total	18,064	8,839	9,225	2,076	1,027	1,049	137	93	44
Parks, recreation and leisure studies	2,480	1,129	1,351	204	100	104	17	12	5
Parks, recreation and leisure facilities management	3,022	1,350	1,672	227	97	130	13	9	4
Health and physical education/fitness	12,396	6,252	6,144	1,617	817	800	103	70	33
Parks, recreation, leisure and fitness studies, other	166	108	58	28	13	15	4	2	2
Philosophy and religion, total	8,263	5,189	3,074	1,295	815	480	574	433	141
Philosophy	4,722	3,290	1,432	610	449	161	364	275	89
Religion/religious studies	3,205	1,708	1,497	531	291	240	200	151	49
Philosophy and religion, other	336	191	145	154	75	79	10	7	3
Physical sciences and science technologies, total	18,337	11,029	7,308	5,159	3,384	1,775	4,190	3,174	1,016
Physical sciences, total	18,154	10,930	7,224	5,136	3,363	1,773	4,189	3,173	1,016
Physical sciences, general	316	182	134	91	71	20	2	1	1
Astronomy	105	73	32	75	48	27	70	51	19
Astrophysics	58	35	23	27	18	9	21	17	4
Atmospheric science and meteorology	455	345	110	159	122	37	77	64	13
Chemistry, total	10,120	5,468	4,652	2,037	1,167	870	2,191	1,524	667
Chemistry, general	9,816	5,282	4,534	1,866	1,066	800	1,998	1,384	614
Analytical chemistry	0	0	0	46	29	17	9	4	5
Inorganic chemistry	0	0	0	8	5	3	6	3	3
Organic chemistry	11	6	5	15	11	4	11	11	0
Medicinal/pharmaceutical chemistry	52	26	26	35	18	17	48	30	18
Chemistry, other	241	154	87	67	38	29	119	92	27
Geological and related sciences, total	2,837	1,690	1,147	936	593	343	367	274	93
Geology	2,570	1,546	1,024	805	505	300	272	201	71
Geochemistry	7	4	3	13	6	7	1	1	0
Geophysics and seismology	53	35	18	56	39	17	60	50	10
Geological and related sciences, other	207	105	102	62	43	19	34	22	12
Miscellaneous physical sciences, total	782	448	334	362	208	154	181	125	56
Metallurgy	0	0	0	3	2	1	2	1	1
Oceanography	151	77	74	113	65	48	94	63	31
Earth and planetary sciences	556	329	227	151	95	56	72	51	21
Miscellaneous physical sciences, other	75	42	33	95	46	49	13	10	3
Physics, total	3,213	2,526	687	1,309	1,073	236	1,252	1,097	155
Physics, general	3,100	2,437	663	1,219	996	223	1,160	1,023	137

Table 259.—Bachelor's, master's, and doctor's degrees conferred by degree-granting institutions, by sex of student and field of study: 1998–99—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physics, other	113	89	24	90	77	13	92	74	18
Physical sciences, other	268	163	105	140	63	77	28	20	8
Science technologies, total	183	99	84	23	21	2	1	1	0
Precision production trades, total	386	274	112	7	7	0	0	0	0
Drafting, general	100	82	18	0	0	0	0	0	0
Precision production trades, other	286	192	94	7	7	0	0	0	0
Protective services, total	24,601	14,085	10,516	2,249	1,312	937	48	29	19
Criminal justice and corrections, total	24,236	13,750	10,486	2,214	1,280	934	47	28	19
Corrections/correctional administration	664	279	385	53	30	23	0	0	0
Criminal justice/law enforcement administration	7,257	4,164	3,093	935	585	350	3	2	1
Criminal justice studies	13,596	7,564	6,032	1,060	594	466	44	26	18
Forensic studies	60	17	43	102	43	59	0	0	0
Law enforcement/police science	1,686	1,192	494	51	22	29	0	0	0
Criminal justice, other	973	534	439	13	6	7	0	0	0
Fire control and safety	362	332	30	28	26	2	1	1	0
Protective services, other	3	3	0	7	6	1	0	0	0
Psychology, total	73,536	18,294	55,242	14,247	3,693	10,554	4,248	1,385	2,863
Psychology, general	68,721	17,150	51,571	4,375	1,283	3,092	1,557	557	1,000
Clinical psychology	82	24	58	1,442	367	1,075	1,801	529	1,272
Counseling psychology	287	63	224	4,607	998	3,609	286	87	199
Developmental and child psychology	721	71	650	144	20	124	73	21	52
Experimental psychology	247	67	180	55	22	33	63	26	37
Industrial and organizational psychology	178	53	125	1,046	388	658	90	38	52
Physiological psychology/psychobiology	265	87	178	2	1	1	21	5	16
Social psychology	606	156	450	173	37	136	51	19	32
School psychology	0	0	0	871	169	702	138	38	100
Psychology, other	2,429	623	1,806	1,532	408	1,124	168	65	103
Public administration and services, total	20,287	3,791	16,496	24,925	6,556	18,369	532	239	293
Public administration	2,110	1,033	1,077	6,887	3,177	3,710	171	109	62
Community organization, resources and services	2,005	444	1,561	450	136	314	7	1	6
Public policy analysis	571	241	330	1,026	522	504	104	53	51
Social work	15,057	1,909	13,148	16,014	2,503	13,511	242	70	172
Public affairs, other	544	164	380	548	218	330	8	6	2
R.O.T.C. and military technologies, total	2	2	0	0	0	0	0	0	0
Social sciences and history, total	124,658	61,736	62,922	14,431	7,456	6,975	3,855	2,270	1,585
Social sciences, general	7,602	2,940	4,662	499	214	285	51	26	25
Anthropology	6,904	2,385	4,519	1,053	407	646	451	194	257
Archeology	137	49	88	46	26	20	17	4	13
Criminology	2,917	1,588	1,329	126	52	74	6	5	1
Demography and population studies	2	1	1	53	32	21	14	6	8
Economics	17,611	11,991	5,620	2,323	1,521	802	810	594	216
Geography, total	4,081	2,665	1,416	760	490	270	159	105	54
Geography	4,010	2,610	1,400	743	481	262	159	105	54
Cartography	71	55	16	17	9	8	0	0	0
History	24,794	14,790	10,004	2,633	1,543	1,090	921	552	369
International relations and affairs	5,165	2,028	3,137	2,318	1,156	1,162	74	51	23
Political science and government, general	27,418	14,678	12,740	1,681	974	707	696	466	230
Sociology	24,933	7,497	17,436	1,943	646	1,297	515	207	308
Urban affairs/studies	679	287	392	350	142	208	51	22	29
Social sciences and history, other	2,415	837	1,578	646	253	393	90	38	52
Theological studies/religious vocations, total	6,280	4,484	1,796	4,727	2,853	1,874	1,452	1,216	236
Biblical and other theological languages and literatures	45	39	6	48	25	23	12	11	1
Bible/biblical studies	1,872	1,306	566	361	260	101	10	9	1
Missions/missionary studies and misology	252	120	132	213	126	87	63	53	10
Religious education	958	547	411	588	303	285	29	20	9
Religious/sacred music	130	70	60	77	44	33	1	1	0
Theology/theological studies	2,260	1,889	371	2,544	1,629	915	1,033	880	153
Pastoral counseling and specialized ministries	421	294	127	580	247	333	182	148	34
Theological studies and religious vocations, other	342	219	123	316	219	97	122	94	28
Transportation and material moving workers, total	3,383	2,984	399	713	631	82	0	0	0
Air transportation workers	3,157	2,789	368	712	630	82	0	0	0
Water transportation workers	216	189	27	0	0	0	0	0	0
Transportation and material moving, other	10	6	4	1	1	0	0	0	0
Visual and performing arts, total	54,404	22,281	32,123	10,753	4,543	6,210	1,130	574	556

Table 259.—Bachelor's, master's, and doctor's degrees conferred by degree-granting institutions, by sex of student and field of study: 1998–99—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Visual and performing arts, general	1,508	599	909	96	37	59	9	6	3
Crafts, folk art, and artisanry	173	59	114	6	2	4	0	0	0
Dance	1,135	95	1,040	191	36	155	10	1	9
Design and applied art	9,232	4,002	5,230	871	372	499	0	0	0
Dramatic/theater arts and stagecraft	7,040	2,726	4,314	1,332	600	732	92	41	51
Film/video and photographic arts, total	3,153	1,888	1,265	661	360	301	16	8	8
Film-video making/cinematography and production	885	589	296	382	217	165	7	2	5
Photography	913	391	522	168	87	81	4	3	1
Film arts, other	1,355	908	447	111	56	55	5	3	2
Fine arts and art studies, total	21,591	7,661	13,930	3,260	1,163	2,097	168	48	120
Art, general	11,188	4,143	7,045	879	353	526	15	6	9
Art history, criticism and conservation	3,483	824	2,659	705	173	532	145	39	106
Arts management	127	25	102	185	32	153	1	0	1
Painting	783	360	423	176	71	105	0	0	0
Ceramic arts and ceramics	219	71	148	43	24	19	0	0	0
Fiber, textile and weaving arts	105	6	99	28	3	25	2	0	2
Metal and jewelry arts	84	15	69	25	8	17	0	0	0
Fine arts and art studies, other	5,602	2,217	3,385	1,219	499	720	5	3	2
Music, total	9,908	4,970	4,938	3,932	1,830	2,102	807	456	351
Music, general	4,933	2,377	2,556	1,198	559	639	314	187	127
Music history and literature	75	34	41	40	14	26	24	16	8
Music, general performance	3,062	1,508	1,554	1,937	873	1,064	293	147	146
Music theory and composition	341	241	100	188	126	62	77	53	24
Music, other	1,497	810	687	569	258	311	99	53	46
Visual and performing arts, other	664	281	383	404	143	261	28	14	14
Not classified by field of study	5	2	3	88	36	52	6	4	2

NOTE: Aggregations by field of study derived from the Classification of Instructional Programs developed by the National Center for Education Statistics. Data imputed using alternative procedures. (See *Guide to Sources* for details.)

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared August 2001.)