

Table SHED-8

## Associate's degrees in S&amp;E technologies awarded to U.S. citizens and permanent residents, by sex, race, ethnicity, and field: 2019

(Number)

Field	U.S. citizen or permanent resident	Male	Female	Hispanic or Latino	Not Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Other or unknown race or ethnicity
S&E technologies	122,003	44,592	77,411	23,126	98,877	1,037	5,713	14,260	386	68,989	3,444	5,048
Engineering technologies	30,306	25,800	4,506	4,921	25,385	287	1,029	2,786	78	19,232	827	1,146
Engineering technology, general	1,308	1,096	212	158	1,150	15	115	95	2	817	50	56
Architectural engineering technologies/ technicians	643	440	203	87	556	7	26	63	3	352	14	91
Audiovisual communications technologies/ technicians	2,174	1,586	588	485	1,689	5	56	459	3	1,008	76	82
Civil engineering technologies/ technicians	721	649	72	96	625	3	23	76	3	484	12	24
Communications technologies/ technicians and support services, other	62	33	29	9	53	0	4	11	0	35	2	1
Communications technology/ technician	175	113	62	17	158	0	0	22	0	128	4	4
Computer engineering technologies/ technicians	1,447	1,257	190	198	1,249	6	92	192	2	860	40	57
Construction engineering technologies	638	548	90	140	498	12	15	65	0	380	10	16
Drafting/ design engineering technologies/ technicians	1,760	1,397	363	286	1,474	9	90	86	14	1,174	43	58
Electrical engineering technologies/ technicians	3,728	3,435	293	636	3,092	21	128	321	23	2,376	87	136
Electromechanical instrumentation and maintenance technologies/ technicians	4,703	3,954	749	788	3,915	39	189	356	3	3,030	133	165
Engineering-related fields	29	27	2	2	27	0	0	1	1	23	1	1
Engineering-related technologies	299	273	26	28	271	2	6	8	1	244	4	6
Environmental control technologies/ technicians	1,617	1,406	211	402	1,215	16	62	117	1	922	48	49
Industrial production technologies/ technicians	3,885	3,332	553	386	3,499	33	90	445	10	2,713	98	110
Mechanical engineering related technologies/ technicians	2,120	1,940	180	362	1,758	31	62	146	3	1,354	59	103
Mining and petroleum technologies/ technicians	237	210	27	36	201	2	1	31	0	153	7	7

Table SHED-8

## Associate's degrees in S&amp;E technologies awarded to U.S. citizens and permanent residents, by sex, race, ethnicity, and field: 2019

(Number)

Field	U.S. citizen or permanent resident	Male	Female	Hispanic or Latino	Not Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Other or unknown race or ethnicity
Nanotechnology	19	13	6	0	19	0	0	0	0	15	3	1
Nuclear engineering technologies/ technicians	92	79	13	2	90	1	4	5	0	72	4	4
Precision metal working	3,300	3,006	294	588	2,712	68	36	157	6	2,236	103	106
Quality control and safety technologies/ technicians	955	695	260	184	771	12	14	98	3	560	26	58
Engineering technologies/ technicians, other	394	311	83	31	363	5	16	32	0	296	3	11
Health technologies	87,048	15,894	71,154	17,156	69,892	722	4,429	10,879	298	47,321	2,446	3,797
Allied health and medical assisting services	28,189	4,609	23,580	5,807	22,382	195	1,292	3,245	123	15,528	828	1,171
Allied health diagnostic, intervention, and treatment professions	27,212	7,685	19,527	5,534	21,678	178	1,411	2,263	96	16,201	695	834
American Sign Language	1,024	130	894	248	776	8	10	74	1	616	41	26
Clinical/ medical laboratory science/ research and allied professions	2,970	644	2,326	399	2,571	37	260	369	12	1,641	76	176
Dental support services and allied professions	7,242	430	6,812	1,345	5,897	49	545	430	14	4,473	200	186
Dietetics and clinical nutrition services	163	16	147	28	135	2	15	14	1	91	9	3
Health aides/ attendants/ orderlies	36	6	30	0	36	0	0	2	1	33	0	0
Health and medical administrative services	11,531	694	10,837	1,445	10,086	114	333	2,934	31	5,278	340	1,056
Health/ medical preparatory programs	2,211	431	1,780	784	1,427	26	283	266	2	711	88	51
Medical illustration and informatics	43	12	31	2	41	0	4	8	0	29	0	0
Mental and social health services and allied professions	4,061	808	3,253	669	3,392	58	81	1,088	7	1,924	117	117
Ophthalmic and optometric support services and allied professions	469	119	350	118	351	10	37	56	0	222	10	16
Practical nursing, vocational nursing and nursing assistants	1,611	229	1,382	721	890	41	148	88	10	419	35	149

Table SHED-8

## Associate's degrees in S&amp;E technologies awarded to U.S. citizens and permanent residents, by sex, race, ethnicity, and field: 2019

(Number)

Field	U.S. citizen or permanent resident	Male	Female	Hispanic or Latino	Not Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Other or unknown race or ethnicity
Rehabilitation and therapeutic professions	286	81	205	56	230	4	10	42	0	155	7	12
Science technologies	3,447	1,973	1,474	856	2,591	23	217	433	4	1,720	116	78
Science technologies/ technicians, general	62	19	43	14	48	2	3	1	1	36	2	3
Biology technician/ biotechnology laboratory technician	307	109	198	31	276	2	30	33	0	183	14	14
Nuclear and industrial radiologic technologies/ technicians	168	140	28	26	142	4	2	9	0	118	6	3
Physical science technologies/ technicians	1,492	1,139	353	469	1,023	11	53	248	1	660	29	21
Science technologies/ technicians, other	1,418	566	852	316	1,102	4	129	142	2	723	65	37
Other S&E technologies	1,202	925	277	193	1,009	5	38	162	6	716	55	27
Intelligence, command control and information operations	867	648	219	138	729	3	29	100	2	547	37	11
Military applied sciences	179	144	35	34	145	1	3	42	3	80	11	5
Military systems and maintenance technology	112	96	16	13	99	1	5	17	1	64	7	4
Military technologies and applied sciences, other	44	37	7	8	36	0	1	3	0	25	0	7

**Note(s):**

Awards at the detailed field level in this table will not match other tables and figures in this report due to the allocation of all Industrial production technologies/technicians awards under Engineering technologies.

**Source(s):**

National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey.

*Science and Engineering Indicators*