Table 9-40

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by disability status: 2008–19

(Number)

All occupations 2 26,520 238,685 253,657 259,821 260,429 259,833 257,129 259,690 267,499 268,115 269,330 273, 250,000 267,990 268,115 269,330 273, 250,000 267,990 268,115 269,330 273, 250,000 267,990 268,115 269,330 273, 250,000 267,990 268,115 269,330 273, 250,000 267,990 268,115 269,330 273, 250,000 267,990 268,115 269,330 273, 250,000 267,990 268,115 269,330 273, 250,000 267,990 268,115 269,330 273,000	Number)												
Scientists		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Scientists 137,76	All federal scientists and	engineers											
Computer and mathematical scientists 47,349 50,540 54,911 57,701 59,289 59,899 59,954 61,973 64,272 65,229 66,652 68,652	All occupations	226,520	238,685	253,657	259,821	260,429	259,383	257,129	259,690	267,499	268,115	269,330	273,010
Mathematical Scientists Substitution Substi	Scientists	137,760	144,674	154,415	159,126	160,600	160,871	159,701	160,695	166,640	167,016	167,213	169,279
Physical scientists 23,838 24,502 25,268 25,169 24,808 24,247 33,615 23,608 23,879 22,774 23,549 23,	mathematical	47,349	50,540	54,911	57,701	59,289	59,899	59,954	61,973	64,272	65,229	66,652	68,644
Bodial scientists 27,891 29,678 32,396 34,217 35,2255 36,508 36,744 35,731 38,813 38,649 38,594 39,281 36,694 39,292 39,512 37,428 39,955 100,0859 101,099 102,117 103,086 103,096	Life scientists	38,682	39,953	41,840	42,039	41,218	40,217	39,388	39,383	39,676	39,364	38,418	37,995
Engineers 88,760 94,011 99,242 100,695 99,829 98,512 97,428 98,995 100,859 101,099 102,117 103,	Physical scientists	23,838	24,503	25,268	25,169	24,808	24,247	23,615	23,608	23,879	23,774	23,549	23,512
Aerospace engineers 8,831 9,040 9,277 9,281 9,159 9,079 9,048 9,229 9,336 9,388 9,546 9,24 Chemical engineers 1,112 1,151 1,168 1,146 1,121 1,079 1,112 1,148 1,135 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,133 1,149 1,149 1,1576 1,1,117 10,603 10,404 10,519 10,408 10,400	Social scientists	27,891	29,678	32,396	34,217	35,285	36,508	36,744	35,731	38,813	38,649	38,594	39,128
Chemical engineers 1,112 1,151 1,168 1,146 1,121 1,079 1,112 1,148 1,135 1,149 1,133 1,149	Engineers	88,760	94,011	99,242	100,695	99,829	98,512	97,428	98,995	100,859	101,099	102,117	103,731
Civil engineers 1,112 1,151 1,168 1,146 1,121 1,109 1,112 1,148 1,135 1,149 1,133 1,131 1,141 1,	•	8,831	9,040	9,277	9,281	9,159	9,079	9,048	9,229	9,336	9,388	9,546	9,463
Electrical, electronics, and computer engineers 26,783 27,618 28,787 28,808 28,605 28,145 27,799 28,155 28,470 28,458 28,37		1,112	1,151	1,168	1,146	1,121	1,079	1,112	1,148	1,135	1,149	1,133	1,119
Belectronics, and computer engineers	Civil engineers	9,923	11,030	11,728	11,928	11,576	11,117	10,603	10,440	10,519	10,408	10,460	10,711
engineers 1,598 1,732 1,961 1,978 1,925 1,913 1,860 1,905 1,914 1,335 1,810 1,880 1,905 1,914 1,335 1,810 1,880 1,915 1,914 1,335 1,916 1,335 1,914 1,330 1,916 1,914 1,335 1,916 1,914 1,914 1,335 1,148 11,570 11,506 12,033 12,572 12,841 13,400 13,330 Other engineers 30,481 32,483 34,579 35,747 35,695 35,609 35,480 36,085 36,913 37,020 37,399 38,800 Without disability All occupations 209,332 220,363 233,996 239,056 238,432 236,227 233,486 234,618 240,604 239,457 237,454 238,148 Computer and mathematical scientists 42,695 45,424 49,343 51,612 52,633 52,600 52,332 53,518 54,901 55,081 55,135 55,138 Lif	electronics, and computer	26,783	27,618	28,787	28,808	28,605	28,145	27,799	28,155	28,470	28,458	28,378	28,322
engineers 10,032 10,957 11,742 11,807 11,748 11,500 12,033 12,572 12,841 13,400 13,740 13,740 13,400 13,740 13,400 13,740 13,400 13,740 13,400 13,740 37,902 37,399 38,000 35,609 35,609 35,609 36,608 36,913 37,020 37,399 38,000 38,000 36,000 36,408 36,018 37,020 37,399 38,000 36,000 35,400 36,408 36,108 37,020 37,399 38,000 36,000 36,400 233,480 234,618 240,604 239,457 237,454 238,143 23,618 24,618 24,0604 239,457 237,454 238,143 23,618 234,618 24,0604 239,457 237,454 238,143 24,618 24,0604 239,457 237,454 238,143 23,618 234,618 24,0604 239,457 237,55 55,55 55,55 55,155 55,135 55,135 55,135 55,135 55,135 </td <td></td> <td>1,598</td> <td>1,732</td> <td>1,961</td> <td>1,978</td> <td>1,925</td> <td>1,913</td> <td>1,880</td> <td>1,905</td> <td>1,914</td> <td>1,835</td> <td>1,801</td> <td>1,764</td>		1,598	1,732	1,961	1,978	1,925	1,913	1,880	1,905	1,914	1,835	1,801	1,764
Without disability All occupations 209,332 220,363 233,996 239,056 238,432 236,227 233,486 234,618 240,604 239,457 237,454 238,183 Scientists 126,290 132,408 141,170 144,955 145,355 144,767 143,142 143,080 147,561 146,641 144,831 144,141 Computer and mathematical scientists 42,695 45,424 49,343 51,612 52,633 52,600 52,332 53,518 54,901 55,081 55,135 55,135 55,081 55,081 55,081 55,135 55,081 55,081 55,135 55,081 55,081 55,135 55,081 52,082 34,082 <td></td> <td>10,032</td> <td>10,957</td> <td>11,742</td> <td>11,807</td> <td>11,748</td> <td>11,570</td> <td>11,506</td> <td>12,033</td> <td>12,572</td> <td>12,841</td> <td>13,400</td> <td>13,864</td>		10,032	10,957	11,742	11,807	11,748	11,570	11,506	12,033	12,572	12,841	13,400	13,864
All occupations 209,332 220,363 233,996 239,056 238,432 236,227 233,486 234,618 240,604 239,457 237,454 238,8 Scientists 126,290 132,408 141,170 144,955 145,355 144,767 143,142 143,080 147,561 146,641 144,831 144,1 Computer and mathematical 42,695 45,424 49,343 51,612 52,633 52,600 52,332 53,518 54,901 55,081 55,135 55,135 Life scientists 36,168 37,349 38,999 39,060 38,089 37,162 36,322 36,234 36,422 35,974 34,929 34,4 Physical 22,141 22,723 23,433 23,282 22,870 22,329 21,736 21,706 21,903 21,713 21,349 21, Social scientists 25,286 26,912 29,395 31,001 31,763 32,676 32,752 31,622 34,335 33,873 33,418 33, Engineers 83,042 87,955 92,826 94,101 93,077 91,460 90,344 91,538 93,043 92,816 92,623 93, Aerospace 8,252 8,453 8,655 8,645 8,522 8,426 8,409 8,554 8,637 8,658 8,690 8, Chemical engineers 1,039 1,072 1,094 1,073 1,046 1,004 1,030 1,065 1,055 1,060 1,037 1,0 Civil engineers 9,239 10,282 10,915 11,090 10,756 10,312 9,825 9,643 9,701 9,570 9,513 9, Electrical, electronics, and computer engineers 1,488 1,609 1,825 1,834 1,775 1,756 1,717 1,722 1,732 1,646 1,593 1,5 Industrial engineers 9,408 10,307 11,050 11,142 11,066 10,850 10,780 11,248 11,760 11,955 12,290 12, Other engineers 28,524 30,322 32,286 33,326 33,189 32,940 32,750 33,196 33,829 33,706 33,679 34, With disability All occupations 12,035 12,859 13,982 14,905 16,169 17,259 17,584 18,466 19,482 21,183 25,054 28,	Other engineers	30,481	32,483	34,579	35,747	35,695	35,609	35,480	36,085	36,913	37,020	37,399	38,488
Scientists 126,290 132,408 141,170 144,955 145,355 144,767 143,142 143,080 147,661 146,641 144,831 144,831 144,000 Computer and mathematical scientists 42,695 45,424 49,343 51,612 52,633 52,600 52,332 53,518 54,901 55,081 55,135	Without disability												
Computer and mathematical scientists 42,695 45,424 49,343 51,612 52,633 52,600 52,332 53,518 54,901 55,081 55,135 5	All occupations	209,332	220,363	233,996	239,056	238,432	236,227	233,486	234,618	240,604	239,457	237,454	238,043
mathematical scientists 42,695 scientists 45,424 scientists 49,343 scientists 51,612 scientists 52,633 scientists 53,518 scientists 55,081 scientists 55,135 scientists 55,135 scientists 36,168 scientists 37,349 scientists 38,999 scientists 39,060 scientists 38,089 scientists 36,222 scientists 36,223 scientists 36,223 scientists 36,222 scientists 36,222 scientists 36,222 scientists 36,222 scientists 36,222 scientists 36,222 scientists 36,223 scientists	Scientists	126,290	132,408	141,170	144,955	145,355	144,767	143,142	143,080	147,561	146,641	144,831	144,685
Physical scientists 22,141 22,723 23,433 23,282 22,870 22,329 21,736 21,706 21,903 21,713 21,349	mathematical .	42,695	45,424	49,343	51,612	52,633	52,600	52,332	53,518	54,901	55,081	55,135	55,827
scientists 22,141 22,723 23,433 23,282 22,870 22,329 21,736 21,706 21,903 21,713 21,349 21,713 21,349 21,713 21,349 21,713 21,349 21,713 21,349 21,713 21,349 21,713 21,	Life scientists	36,168	37,349	38,999	39,060	38,089	37,162	36,322	36,234	36,422	35,974	34,929	34,357
Engineers 83,042 87,955 92,826 94,101 93,077 91,460 90,344 91,538 93,043 92,816 92,623 93,343 Aerospace engineers 8,252 8,453 8,655 8,645 8,522 8,426 8,409 8,554 8,637 8,658 8,690 8,660 Chemical engineers 1,039 1,072 1,094 1,073 1,046 1,004 1,030 1,065 1,055 1,060 1,037 1,1 Civil engineers 9,239 10,282 10,915 11,090 10,756 10,312 9,825 9,643 9,701 9,570 9,513 9,0 Electrical, electronics, and computer engineers 25,092 25,910 27,001 26,991 26,723 26,172 25,833 26,110 26,329 26,221 25,821 25,5 Industrial engineers 1,488 1,609 1,825 1,834 1,775 1,756 1,717 1,722 1,732 1,646 1,593 1,5	•	22,141	22,723	23,433	23,282	22,870	22,329	21,736	21,706	21,903	21,713	21,349	21,129
Aerospace engineers 8,252 8,453 8,655 8,645 8,522 8,426 8,409 8,554 8,637 8,658 8,690 8,658 Chemical engineers 1,039 1,072 1,094 1,073 1,046 1,004 1,030 1,065 1,055 1,060 1,037 1,07 Civil engineers 9,239 10,282 10,915 11,090 10,756 10,312 9,825 9,643 9,701 9,570 9,513 9,00 Electrical, electronics, and computer engineers 25,092 25,910 27,001 26,991 26,723 26,172 25,833 26,110 26,329 26,221 25,821 25,000 Industrial engineers 1,488 1,609 1,825 1,834 1,775 1,756 1,717 1,722 1,732 1,646 1,593 1,480 Mechanical engineers 9,408 10,307 11,050 11,142 11,066 10,850 10,780 11,248 11,760 11,955 12,290 12,400	Social scientists	25,286	26,912	29,395	31,001	31,763	32,676	32,752	31,622	34,335	33,873	33,418	33,372
engineers 8,252 8,453 8,655 8,645 8,522 8,426 8,409 8,554 8,637 8,658 8,690 8,522 Chemical engineers 1,039 1,072 1,094 1,073 1,046 1,004 1,030 1,065 1,055 1,060 1,037 1,1 Civil engineers 9,239 10,282 10,915 11,090 10,756 10,312 9,825 9,643 9,701 9,570 9,513 9,1 Electrical, electronics, and computer engineers 25,092 25,910 27,001 26,991 26,723 26,172 25,833 26,110 26,329 26,221 25,821 25,1 Industrial engineers 1,488 1,609 1,825 1,834 1,775 1,756 1,717 1,722 1,732 1,646 1,593 1,5 Mechanical engineers 9,408 10,307 11,050 11,142 11,066 10,850 10,780 11,248 11,760 11,955 12,290 12,0 <t< td=""><td>Engineers</td><td>83,042</td><td>87,955</td><td>92,826</td><td>94,101</td><td>93,077</td><td>91,460</td><td>90,344</td><td>91,538</td><td>93,043</td><td>92,816</td><td>92,623</td><td>93,358</td></t<>	Engineers	83,042	87,955	92,826	94,101	93,077	91,460	90,344	91,538	93,043	92,816	92,623	93,358
engineers 1,039 1,072 1,094 1,073 1,046 1,004 1,030 1,065 1,055 1,060 1,037 1,046 1,047 1,046 1,046 1,047 1,047 1,		8,252	8,453	8,655	8,645	8,522	8,426	8,409	8,554	8,637	8,658	8,690	8,573
Electrical, electronics, and computer engineers Industrial engineers 1,488 1,609 1,825 1,834 1,775 1,756 1,717 1,722 1,732 1,646 1,593 1, Mechanical engineers 9,408 10,307 11,050 11,142 11,066 10,850 10,780 11,248 11,760 11,955 12,290 12,001 12,001 With disability All occupations 12,035 12,859 13,982 14,905 16,169 17,259 17,584 18,466 19,482 21,183 26,110 26,329 26,221 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 26,172 25,833 26,110 26,329 26,221 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 25,821 26,172 1,732 1,646 1,593 1,646 1,593 1,646 1,593 1,646 1,593 1,646 1,593 1,646 1,593 1,646 1,795 11,756		1,039	1,072	1,094	1,073	1,046	1,004	1,030	1,065	1,055	1,060	1,037	1,014
electronics, and computer engineers 25,092 25,910 27,001 26,991 26,723 26,172 25,833 26,110 26,329 26,221 25,821 25	Civil engineers	9,239	10,282	10,915	11,090	10,756	10,312	9,825	9,643	9,701	9,570	9,513	9,685
engineers 1,488 1,609 1,825 1,834 1,775 1,756 1,717 1,722 1,32 1,646 1,993 1,593 1,793	electronics, and computer	25,092	25,910	27,001	26,991	26,723	26,172	25,833	26,110	26,329	26,221	25,821	25,558
engineers 9,408 10,307 11,050 11,142 11,066 10,850 10,780 11,248 11,760 11,953 12,290 12,130 Other engineers 28,524 30,322 32,286 33,326 33,189 32,940 32,750 33,196 33,829 33,706 33,679 34,4 With disability All occupations 12,035 12,859 13,982 14,905 16,169 17,259 17,584 18,466 19,482 21,183 25,054 28,4		1,488	1,609	1,825	1,834	1,775	1,756	1,717	1,722	1,732	1,646	1,593	1,546
With disability All occupations 12,035 12,859 13,982 14,905 16,169 17,259 17,584 18,466 19,482 21,183 25,054 28,054		9,408	10,307	11,050	11,142	11,066	10,850	10,780	11,248	11,760	11,955	12,290	12,622
All occupations 12,035 12,859 13,982 14,905 16,169 17,259 17,584 18,466 19,482 21,183 25,054 28,	Other engineers	28,524	30,322	32,286	33,326	33,189	32,940	32,750	33,196	33,829	33,706	33,679	34,360
·	•												
Scientists 8,136 8,765 9,599 10,326 11,367 12,134 12,477 13,117 13,950 15,157 17,603 20,	·												28,583
	Scientists	8,136	8,765	9,599	10,326	11,367	12,134	12,477	13,117	13,950	15,157	17,603	20,110

Table 9-40

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by disability status: 2008–19

(Number)

Occupation and disability status	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Computer and mathematical scientists	3,459	3,782	4,174	4,613	5,116	5,677	5,901	6,428	6,982	7,691	9,285	10,707
Life scientists	1,731	1,819	2,027	2,098	2,268	2,219	2,225	2,283	2,311	2,393	2,548	2,760
Physical scientists	1,034	1,134	1,187	1,228	1,299	1,323	1,291	1,306	1,351	1,445	1,639	1,859
Social scientists	1,912	2,030	2,211	2,387	2,684	2,915	3,060	3,100	3,306	3,628	4,131	4,784
Engineers	3,899	4,094	4,383	4,579	4,802	5,125	5,107	5,349	5,532	6,026	7,451	8,473
Aerospace engineers	354	359	385	388	385	413	409	427	446	481	619	675
Chemical engineers	40	47	47	46	50	50	55	60	55	64	74	85
Civil engineers	477	522	572	582	569	566	537	556	552	582	713	810
Electrical, electronics, and computer engineers	1,192	1,172	1,245	1,283	1,361	1,475	1,467	1,512	1,556	1,672	2,033	2,286
Industrial engineers	75	86	98	108	111	116	118	129	134	143	167	178
Mechanical engineers	412	427	456	455	490	530	523	552	563	633	888	1,042
Other engineers	1,349	1,481	1,580	1,717	1,836	1,975	1,998	2,113	2,226	2,451	2,957	3,397
Disability status unknow	wn											
All occupations	5,153	5,463	5,679	5,860	5,828	5,897	6,059	6,606	7,413	7,475	6,822	6,384
Scientists	3,334	3,501	3,646	3,845	3,878	3,970	4,082	4,498	5,129	5,218	4,779	4,484
Computer and mathematical scientists	1,195	1,334	1,394	1,476	1,540	1,622	1,721	2,027	2,389	2,457	2,232	2,110
Life scientists	783	785	814	881	861	836	841	866	943	997	941	878
Physical scientists	663	646	648	659	639	595	588	596	625	616	561	524
Social scientists	693	736	790	829	838	917	932	1,009	1,172	1,148	1,045	972
Engineers	1,819	1,962	2,033	2,015	1,950	1,927	1,977	2,108	2,284	2,257	2,043	1,900
Aerospace engineers	225	228	237	248	252	240	230	248	253	249	237	215
Chemical engineers	33	32	27	27	25	25	27	23	25	25	22	20
Civil engineers	207	226	241	256	251	239	241	241	266	256	234	216
Electrical, electronics, and computer engineers	499	536	541	534	521	498	499	533	585	565	524	478
Industrial engineers	35	37	38	36	39	41	45	54	48	46	41	40
Mechanical engineers	212	223	236	210	192	190	203	233	249	253	222	200
Other engineers	608	680	713	704	670	694	732	776	858	863	763	731

Note(s):

National Center for Science and Engineering Statistics tabulations from data provided by the Office of Personnel Management. Data do not include the State Department Foreign Service. Data are as of September of each year. The wording of the disability question was changed in 2017 from "I do not wish to identify my disability status." to "I do not wish to identify my disability or serious health condition." Under the new wording, those who chose to not identify were classified as "with disability" which increased the reported number of scientists and engineers with a disability. Previously those who chose to not identity their status were not classified as with a disability.

National Center for Science and Engineering Statistics | NSF 21-321

Source(s): National Center for Science and Engineering Statistics, special tabulations (2020) of Office of Personnel Management data.