

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
All scientists and engineers										
All occupations	226,520	238,685	253,657	259,821	260,429	259,383	257,129	259,690	267,499	268,115
Hispanic or Latino	10,336	10,958	11,863	12,401	12,837	13,190	13,338	13,819	14,514	15,121
American Indian or Alaska Native	63	85	130	156	181	189	201	225	249	276
Asian	31	45	49	63	75	87	101	110	124	143
Black or African American	68	99	121	134	167	191	208	235	277	318
Native Hawaiian or Other Pacific Islander	5	11	16	21	27	31	32	34	37	43
White	1,034	1,515	2,301	2,713	3,276	3,681	3,981	4,470	5,017	5,581
More than one race	144	204	306	379	464	534	556	612	691	789
Race not reported	8,991	8,999	8,940	8,935	8,647	8,477	8,259	8,133	8,119	7,971
Not Hispanic or Latino	215,996	227,337	241,509	247,149	247,371	246,071	243,749	245,774	252,906	252,880
American Indian or Alaska Native	2,010	2,098	2,149	2,148	2,101	2,031	2,008	1,963	1,982	1,899
Asian	20,226	21,516	23,184	24,034	24,364	24,430	24,588	25,217	26,286	26,674
Black or African American	16,146	17,372	18,898	19,904	20,509	21,012	21,169	21,798	22,756	23,266
Native Hawaiian or Other Pacific Islander	358	419	473	510	538	514	557	603	658	687
White	176,495	184,762	195,084	198,449	197,389	195,376	192,483	192,874	197,498	196,270
More than one race	761	1,170	1,721	2,104	2,470	2,708	2,944	3,319	3,726	4,084
Data not reported	188	390	285	271	221	122	42	97	79	114
Scientists	137,760	144,674	154,415	159,126	160,600	160,871	159,701	160,695	166,640	167,016
Hispanic or Latino	5,734	6,063	6,653	7,011	7,303	7,603	7,693	7,935	8,402	8,766
American Indian or Alaska Native	33	43	74	94	103	115	124	140	154	170
Asian	18	21	24	30	33	36	49	54	62	65
Black or African American	46	69	85	94	125	136	150	165	195	225
Native Hawaiian or Other Pacific Islander	3	5	7	10	14	16	16	21	24	24
White	521	802	1,352	1,590	1,901	2,175	2,350	2,607	2,942	3,263
More than one race	73	103	179	236	282	334	344	373	414	489
Race not reported	5,040	5,020	4,932	4,957	4,845	4,791	4,660	4,575	4,611	4,530
Not Hispanic or Latino	131,879	138,285	147,522	151,908	153,132	153,162	151,972	152,675	158,178	158,162
American Indian or Alaska Native	1,384	1,448	1,471	1,470	1,455	1,409	1,402	1,350	1,383	1,313
Asian	10,257	11,015	12,194	12,859	13,262	13,492	13,705	14,115	14,874	15,139
Black or African American	11,784	12,611	13,751	14,589	15,132	15,580	15,772	16,260	17,023	17,436
Native Hawaiian or Other Pacific Islander	181	211	246	280	294	280	306	330	367	391
White	107,845	112,322	118,811	121,402	121,432	120,692	118,917	118,518	122,131	121,264
More than one race	428	678	1,049	1,308	1,557	1,709	1,870	2,102	2,400	2,619
Data not reported	147	326	240	207	165	106	36	85	60	88
Computer and mathematical scientists	47,349	50,540	54,911	57,701	59,289	59,899	59,954	61,973	64,272	65,229
Hispanic or Latino	1,917	2,066	2,270	2,439	2,613	2,736	2,807	2,989	3,176	3,369
American Indian or Alaska Native	13	16	28	38	44	52	56	60	68	74
Asian	9	8	8	9	10	13	19	25	26	31
Black or African American	25	34	37	44	62	70	78	88	106	120
Native Hawaiian or Other Pacific Islander	1	3	3	4	5	6	5	7	8	9
White	217	340	472	568	726	824	903	1,045	1,153	1,310
More than one race	36	47	75	99	126	157	156	166	185	205
Race not reported	1,616	1,618	1,647	1,677	1,640	1,614	1,590	1,598	1,630	1,620
Not Hispanic or Latino	45,416	48,418	52,596	55,202	56,637	57,150	57,139	58,972	61,085	61,840
American Indian or Alaska Native	403	445	463	465	455	441	433	424	445	424
Asian	4,729	5,165	5,789	6,217	6,533	6,703	6,803	7,095	7,480	7,670
Black or African American	6,294	6,811	7,590	8,214	8,633	8,893	9,062	9,499	9,948	10,314
Native Hawaiian or Other Pacific Islander	91	113	123	146	152	146	155	175	197	207

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
White	33,693	35,552	38,172	39,576	40,159	40,193	39,831	40,788	41,888	41,995
More than one race	206	332	459	584	705	774	855	991	1,127	1,230
Data not reported	16	56	45	60	39	13	8	12	11	20
Life scientists	38,682	39,953	41,840	42,039	41,218	40,217	39,388	39,383	39,676	39,364
Hispanic or Latino	1,796	1,857	2,062	2,079	2,110	2,118	2,105	2,147	2,229	2,247
American Indian or Alaska Native	6	9	22	26	23	24	25	28	34	34
Asian	3	5	7	9	9	6	7	8	10	10
Black or African American	4	10	16	17	18	17	17	19	19	25
Native Hawaiian or Other Pacific Islander	2	2	3	3	4	4	5	6	8	8
White	125	174	507	544	603	637	649	696	766	814
More than one race	12	19	60	72	72	77	87	93	107	126
Race not reported	1,644	1,638	1,447	1,408	1,381	1,353	1,315	1,297	1,285	1,230
Not Hispanic or Latino	36,825	37,974	39,699	39,893	39,044	38,044	37,271	37,225	37,425	37,073
American Indian or Alaska Native	551	550	540	522	501	486	485	470	469	442
Asian	2,807	2,996	3,319	3,432	3,428	3,402	3,429	3,522	3,627	3,668
Black or African American	1,601	1,660	1,741	1,750	1,731	1,716	1,687	1,674	1,705	1,708
Native Hawaiian or Other Pacific Islander	33	38	53	62	61	52	57	57	66	73
White	31,756	32,612	33,777	33,801	32,964	32,018	31,223	31,082	31,096	30,685
More than one race	77	118	269	326	359	370	390	420	462	497
Data not reported	61	122	79	67	64	55	12	11	22	44
Physical scientists	23,838	24,503	25,268	25,169	24,808	24,247	23,615	23,608	23,879	23,774
Hispanic or Latino	723	761	806	815	818	824	828	840	862	914
American Indian or Alaska Native	4	6	8	13	13	13	13	13	12	12
Asian	2	2	4	4	4	4	6	6	7	7
Black or African American	6	8	9	10	13	13	14	15	14	20
Native Hawaiian or Other Pacific Islander	0	0	0	1	1	1	1	2	3	2
White	57	90	124	144	163	185	208	230	264	309
More than one race	12	18	22	20	26	30	24	28	34	46
Race not reported	642	637	639	623	598	578	562	546	528	518
Not Hispanic or Latino	23,071	23,685	24,425	24,314	23,954	23,398	22,782	22,765	23,005	22,848
American Indian or Alaska Native	133	142	142	143	142	138	136	128	126	123
Asian	1,725	1,816	1,899	1,898	1,906	1,899	1,938	1,984	2,050	2,064
Black or African American	909	949	976	988	984	961	952	973	995	996
Native Hawaiian or Other Pacific Islander	18	20	24	25	30	28	31	32	32	33
White	20,244	20,688	21,291	21,146	20,757	20,225	19,560	19,465	19,593	19,385
More than one race	42	70	93	114	135	147	165	183	209	247
Data not reported	44	57	37	40	36	25	5	3	12	12
Social scientists	27,891	29,678	32,396	34,217	35,285	36,508	36,744	35,731	38,813	38,649
Hispanic or Latino	1,298	1,379	1,515	1,678	1,762	1,925	1,953	1,959	2,135	2,236
American Indian or Alaska Native	10	12	16	17	23	26	30	39	40	50
Asian	4	6	5	8	10	13	17	15	19	17
Black or African American	11	17	23	23	32	36	41	43	56	60
Native Hawaiian or Other Pacific Islander	0	0	1	2	4	5	5	6	5	5
White	122	198	249	334	409	529	590	636	759	830
More than one race	13	19	22	45	58	70	77	86	88	112
Race not reported	1,138	1,127	1,199	1,249	1,226	1,246	1,193	1,134	1,168	1,162
Not Hispanic or Latino	26,567	28,208	30,802	32,499	33,497	34,570	34,780	33,713	36,663	36,401

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
American Indian or Alaska Native	297	311	326	340	357	344	348	328	343	324
Asian	996	1,038	1,187	1,312	1,395	1,488	1,535	1,514	1,717	1,737
Black or African American	2,980	3,191	3,444	3,637	3,784	4,010	4,071	4,114	4,375	4,418
Native Hawaiian or Other Pacific Islander	39	40	46	47	51	54	63	66	72	78
White	22,152	23,470	25,571	26,879	27,552	28,256	28,303	27,183	29,554	29,199
More than one race	103	158	228	284	358	418	460	508	602	645
Data not reported	26	91	79	40	26	13	11	59	15	12
Engineers	88,760	94,011	99,242	100,695	99,829	98,512	97,428	98,995	100,859	101,099
Hispanic or Latino	4,602	4,895	5,210	5,390	5,534	5,587	5,645	5,884	6,112	6,355
American Indian or Alaska Native	30	42	56	62	78	74	77	85	95	106
Asian	13	24	25	33	42	51	52	56	62	78
Black or African American	22	30	36	40	42	55	58	70	82	93
Native Hawaiian or Other Pacific Islander	2	6	9	11	13	15	16	13	13	19
White	513	713	949	1,123	1,375	1,506	1,631	1,863	2,075	2,318
More than one race	71	101	127	143	182	200	212	239	277	300
Race not reported	3,951	3,979	4,008	3,978	3,802	3,686	3,599	3,558	3,508	3,441
Not Hispanic or Latino	84,117	89,052	93,987	95,241	94,239	92,909	91,777	93,099	94,728	94,718
American Indian or Alaska Native	626	650	678	678	646	622	606	613	599	586
Asian	9,969	10,501	10,990	11,175	11,102	10,938	10,883	11,102	11,412	11,535
Black or African American	4,362	4,761	5,147	5,315	5,377	5,432	5,397	5,538	5,733	5,830
Native Hawaiian or Other Pacific Islander	177	208	227	230	244	234	251	273	291	296
White	68,650	72,440	76,273	77,047	75,957	74,684	73,566	74,356	75,367	75,006
More than one race	333	492	672	796	913	999	1,074	1,217	1,326	1,465
Data not reported	41	64	45	64	56	16	6	12	19	26
Aerospace engineers	8,831	9,040	9,277	9,281	9,159	9,079	9,048	9,229	9,336	9,388
Hispanic or Latino	423	429	443	448	458	467	476	494	519	544
American Indian or Alaska Native	3	1	3	3	5	5	4	5	10	10
Asian	0	0	1	4	6	5	5	6	9	11
Black or African American	1	2	2	3	3	4	4	4	4	5
Native Hawaiian or Other Pacific Islander	1	2	1	0	0	1	0	0	0	0
White	74	92	107	112	143	155	164	183	203	216
More than one race	9	11	11	14	17	19	22	22	21	25
Race not reported	335	321	318	312	284	278	277	274	272	277
Not Hispanic or Latino	8,406	8,609	8,833	8,832	8,699	8,612	8,572	8,735	8,817	8,844
American Indian or Alaska Native	47	47	44	44	40	42	40	39	36	33
Asian	659	677	698	706	710	711	699	716	740	747
Black or African American	387	383	396	389	385	386	387	405	404	408
Native Hawaiian or Other Pacific Islander	7	7	6	7	11	10	10	12	13	14
White	7,269	7,451	7,642	7,633	7,494	7,396	7,364	7,477	7,525	7,528
More than one race	37	44	47	53	59	67	72	86	99	114
Data not reported	2	2	1	1	2	0	0	0	0	0
Chemical engineers	1,112	1,151	1,168	1,146	1,121	1,079	1,112	1,148	1,135	1,149
Hispanic or Latino	54	58	62	62	63	59	62	60	56	56
American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	0
Asian	0	0	0	0	0	0	1	0	0	0
Black or African American	0	0	0	0	0	0	1	1	1	1
Native Hawaiian or Other Pacific Islander	0	0	0	1	1	1	2	1	1	1
White	2	5	10	9	11	11	11	13	13	14

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
More than one race	2	2	1	3	3	2	4	7	8	8
Race not reported	50	51	51	49	48	45	43	38	33	32
Not Hispanic or Latino	1,057	1,093	1,103	1,082	1,056	1,018	1,050	1,088	1,079	1,093
American Indian or Alaska Native	1	1	1	3	4	3	3	5	3	3
Asian	137	149	155	159	151	152	155	167	173	164
Black or African American	55	56	55	55	51	56	57	59	57	59
Native Hawaiian or Other Pacific Islander	0	1	2	1	1	1	1	1	1	1
White	859	880	883	859	843	798	825	844	832	852
More than one race	5	6	7	5	6	8	9	12	13	14
Data not reported	1	0	3	2	2	2	0	0	0	0
Civil engineers	9,923	11,030	11,728	11,928	11,576	11,117	10,603	10,440	10,519	10,408
Hispanic or Latino	541	604	662	702	700	683	682	690	676	721
American Indian or Alaska Native	7	7	11	13	13	11	14	15	15	16
Asian	1	4	3	4	4	3	3	4	3	5
Black or African American	5	7	5	6	6	9	9	6	9	11
Native Hawaiian or Other Pacific Islander	0	0	0	1	1	1	2	1	1	1
White	67	84	123	155	157	163	185	211	218	262
More than one race	8	18	22	22	26	21	29	33	40	44
Race not reported	453	484	498	501	493	475	440	420	390	382
Not Hispanic or Latino	9,380	10,419	11,063	11,222	10,873	10,433	9,920	9,746	9,837	9,683
American Indian or Alaska Native	143	155	154	149	143	141	147	143	141	144
Asian	860	931	979	1,001	962	909	888	865	884	924
Black or African American	384	442	476	488	477	475	462	456	460	468
Native Hawaiian or Other Pacific Islander	27	29	30	37	37	34	31	38	36	35
White	7,929	8,805	9,321	9,423	9,133	8,747	8,266	8,114	8,168	7,961
More than one race	37	57	103	124	121	127	126	130	148	151
Data not reported	2	7	3	4	3	1	1	4	6	4
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
Hispanic or Latino	1,504	1,576	1,672	1,720	1,782	1,815	1,815	1,913	1,991	2,031
American Indian or Alaska Native	7	14	19	20	31	30	26	26	28	29
Asian	5	8	9	11	14	18	15	20	20	21
Black or African American	6	7	9	9	8	11	15	23	29	31
Native Hawaiian or Other Pacific Islander	0	1	4	4	7	7	6	5	6	8
White	124	171	242	285	389	453	484	561	614	698
More than one race	16	23	36	38	55	58	60	66	74	78
Race not reported	1,346	1,352	1,353	1,353	1,278	1,238	1,209	1,212	1,220	1,166
Not Hispanic or Latino	25,272	26,031	27,106	27,067	26,799	26,330	25,984	26,241	26,476	26,423
American Indian or Alaska Native	152	152	161	153	145	137	138	141	130	126
Asian	4,332	4,521	4,692	4,770	4,774	4,725	4,668	4,729	4,846	4,906
Black or African American	1,553	1,658	1,797	1,844	1,871	1,885	1,870	1,904	1,994	2,043
Native Hawaiian or Other Pacific Islander	78	93	89	88	85	84	85	85	93	94
White	19,063	19,466	20,172	19,994	19,667	19,220	18,923	19,059	19,061	18,863
More than one race	94	141	195	218	257	279	300	323	352	391
Data not reported	7	11	9	21	24	0	0	1	3	4
Industrial engineers	1,598	1,732	1,961	1,978	1,925	1,913	1,880	1,905	1,914	1,835
Hispanic or Latino	95	103	112	115	118	114	120	128	134	137

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
American Indian or Alaska Native	0	0	0	0	0	1	2	1	1	1
Asian	1	1	1	1	1	2	2	2	3	3
Black or African American	1	1	1	2	2	2	2	3	5	5
Native Hawaiian or Other Pacific Islander	12	21	19	24	35	36	40	45	0	0
White	3	2	3	3	3	3	3	2	47	53
More than one race	0	0	0	0	0	0	0	0	4	4
Race not reported	78	78	88	85	77	70	71	75	74	71
Not Hispanic or Latino	1,501	1,627	1,848	1,861	1,806	1,799	1,760	1,777	1,780	1,698
American Indian or Alaska Native	13	12	11	12	10	11	8	11	11	10
Asian	125	124	145	151	155	161	163	163	170	168
Black or African American	122	144	158	145	139	145	147	162	168	167
Native Hawaiian or Other Pacific Islander	1	2	2	2	2	2	3	4	3	5
White	1,231	1,330	1,515	1,524	1,469	1,451	1,409	1,397	1,388	1,309
More than one race	9	15	17	27	31	29	30	40	40	39
Data not reported	2	2	1	2	1	0	0	0	0	0
Mechanical engineers	10,032	10,957	11,742	11,807	11,748	11,570	11,506	12,033	12,572	12,841
Hispanic or Latino	409	441	477	479	506	521	527	585	630	692
American Indian or Alaska Native	3	7	6	6	6	7	8	10	10	15
Asian	1	4	3	3	3	3	4	4	7	12
Black or African American	3	4	5	5	6	12	12	13	12	15
Native Hawaiian or Other Pacific Islander	0	1	2	2	1	1	1	2	2	5
White	33	54	87	101	141	157	175	214	244	270
More than one race	6	6	10	14	18	20	18	22	31	37
Race not reported	363	365	364	348	331	321	309	320	324	338
Not Hispanic or Latino	9,620	10,510	11,262	11,324	11,236	11,049	10,979	11,448	11,942	12,149
American Indian or Alaska Native	42	41	52	55	47	45	41	38	42	44
Asian	987	1,063	1,119	1,123	1,086	1,063	1,075	1,148	1,166	1,193
Black or African American	342	378	419	416	422	414	407	417	447	439
Native Hawaiian or Other Pacific Islander	10	14	21	16	25	26	29	35	36	36
White	8,202	8,954	9,573	9,624	9,551	9,382	9,296	9,650	10,083	10,242
More than one race	37	60	78	90	105	119	131	160	168	195
Data not reported	3	6	3	4	6	0	0	0	0	0
Other engineers	30,481	32,483	34,579	35,747	35,695	35,609	35,480	36,085	36,913	37,020
Hispanic or Latino	1,576	1,684	1,782	1,864	1,907	1,928	1,963	2,014	2,106	2,174
American Indian or Alaska Native	10	13	17	20	23	20	23	28	31	35
Asian	5	7	8	10	14	20	22	20	20	26
Black or African American	6	9	14	15	17	17	15	20	22	25
Native Hawaiian or Other Pacific Islander	1	2	2	3	3	4	5	4	3	4
White	201	286	361	437	499	531	572	636	736	805
More than one race	27	39	44	49	60	77	76	87	99	104
Race not reported	1,326	1,328	1,336	1,330	1,291	1,259	1,250	1,219	1,195	1,175
Not Hispanic or Latino	28,881	30,763	32,772	33,853	33,770	33,668	33,512	34,064	34,797	34,828
American Indian or Alaska Native	228	242	255	262	257	243	229	236	236	226
Asian	2,869	3,036	3,202	3,265	3,264	3,217	3,235	3,314	3,433	3,433
Black or African American	1,519	1,700	1,846	1,978	2,032	2,071	2,067	2,135	2,203	2,246
Native Hawaiian or Other Pacific Islander	54	62	77	79	83	77	92	98	109	111

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
White	24,097	25,554	27,167	27,990	27,800	27,690	27,483	27,815	28,310	28,251
More than one race	114	169	225	279	334	370	406	466	506	561
Data not reported	24	36	25	30	18	13	5	7	10	18
Female										
All occupations	60,806	65,019	70,097	72,660	73,474	74,018	74,017	74,884	78,061	78,624
Hispanic or Latino	2,961	3,195	3,503	3,692	3,806	3,941	4,021	4,147	4,397	4,603
American Indian or Alaska Native	24	32	45	47	55	52	62	72	82	93
Asian	13	17	17	20	26	27	35	34	39	50
Black or African American	28	48	55	59	76	85	92	95	116	127
Native Hawaiian or Other Pacific Islander	0	1	3	6	7	9	12	14	16	15
White	265	404	626	737	886	1,046	1,147	1,266	1,454	1,629
More than one race	44	61	88	115	134	158	174	190	207	239
Race not reported	2,587	2,632	2,669	2,708	2,622	2,564	2,499	2,476	2,483	2,450
Not Hispanic or Latino	57,780	61,685	66,475	68,878	69,596	70,021	69,985	70,687	73,637	73,981
American Indian or Alaska Native	614	661	687	685	691	669	667	667	686	635
Asian	5,786	6,221	6,832	7,177	7,355	7,480	7,619	7,846	8,256	8,364
Black or African American	7,348	7,897	8,505	8,943	9,193	9,434	9,468	9,666	10,024	10,117
Native Hawaiian or Other Pacific Islander	99	109	130	145	150	152	161	165	170	184
White	43,671	46,400	49,742	51,181	51,355	51,348	51,064	51,212	53,238	53,308
More than one race	262	397	579	747	852	938	1,006	1,131	1,263	1,373
Data not reported	65	139	119	90	72	56	11	50	27	40
Scientists	47,987	51,112	55,028	57,032	57,746	58,298	58,273	58,704	61,340	61,680
Hispanic or Latino	2,090	2,231	2,469	2,609	2,680	2,796	2,853	2,932	3,110	3,251
American Indian or Alaska Native	16	19	30	31	34	36	43	50	57	68
Asian	8	11	11	11	14	14	22	22	25	30
Black or African American	21	36	41	44	61	67	75	75	91	101
Native Hawaiian or Other Pacific Islander	0	1	3	5	6	6	8	12	14	13
White	177	265	440	523	623	752	823	903	1,030	1,144
More than one race	24	37	58	79	91	107	117	128	138	163
Race not reported	1,844	1,862	1,886	1,916	1,851	1,814	1,765	1,742	1,755	1,732
Not Hispanic or Latino	45,841	48,750	52,450	54,344	55,003	55,452	55,411	55,723	58,203	58,394
American Indian or Alaska Native	502	538	556	546	563	546	541	540	559	516
Asian	4,182	4,520	5,008	5,274	5,403	5,516	5,623	5,793	6,098	6,193
Black or African American	6,072	6,491	6,985	7,354	7,564	7,778	7,838	8,010	8,347	8,443
Native Hawaiian or Other Pacific Islander	67	74	92	104	106	108	118	113	120	132
White	34,845	36,845	39,390	40,510	40,722	40,794	40,523	40,401	42,112	42,053
More than one race	173	282	419	556	645	710	768	866	967	1,057
Data not reported	56	131	109	79	63	50	9	49	27	35
Computer and mathematical scientists	15,593	16,393	17,434	18,088	18,321	18,360	18,288	18,638	19,147	19,198
Hispanic or Latino	578	625	667	720	753	763	775	817	852	882
American Indian or Alaska Native	4	5	6	6	7	10	14	13	17	20
Asian	4	4	4	4	5	5	7	8	10	11
Black or African American	9	15	15	17	27	29	33	35	39	45
Native Hawaiian or Other Pacific Islander	0	1	1	2	2	2	3	4	6	5
White	57	85	110	143	181	205	219	255	275	305
More than one race	8	12	19	27	27	32	34	38	43	42
Race not reported	496	503	512	521	504	480	465	464	462	454
Not Hispanic or Latino	15,013	15,749	16,756	17,358	17,562	17,595	17,512	17,819	18,294	18,312

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
American Indian or Alaska Native	131	146	152	151	153	141	137	140	149	137
Asian	1,913	2,077	2,309	2,459	2,539	2,594	2,603	2,688	2,786	2,819
Black or African American	3,072	3,250	3,514	3,726	3,845	3,933	3,942	4,057	4,200	4,269
Native Hawaiian or Other Pacific Islander	28	33	34	41	38	42	47	46	45	47
White	9,799	10,125	10,594	10,769	10,749	10,624	10,500	10,564	10,759	10,655
More than one race	70	118	153	212	238	261	283	324	355	385
Data not reported	2	19	11	10	6	2	1	2	1	4
Life scientists	13,792	14,639	15,671	15,971	15,824	15,571	15,420	15,635	16,024	16,113
Hispanic or Latino	626	664	755	765	771	791	793	816	872	900
American Indian or Alaska Native	3	4	10	10	10	8	9	12	16	17
Asian	1	2	3	3	3	3	4	5	5	6
Black or African American	3	5	10	10	11	11	11	9	10	13
Native Hawaiian or Other Pacific Islander	0	0	1	1	1	1	2	3	3	3
White	43	72	184	199	228	253	253	266	312	349
More than one race	2	6	17	21	24	26	31	33	37	46
Race not reported	574	575	530	521	494	489	483	488	489	466
Not Hispanic or Latino	13,140	13,915	14,868	15,167	15,017	14,749	14,624	14,816	15,142	15,196
American Indian or Alaska Native	158	168	164	151	153	157	157	166	168	155
Asian	1,209	1,308	1,437	1,492	1,498	1,483	1,503	1,552	1,619	1,645
Black or African American	747	799	844	857	868	851	834	850	878	869
Native Hawaiian or Other Pacific Islander	12	14	24	27	26	23	22	22	26	32
White	10,985	11,580	12,288	12,494	12,318	12,078	11,943	12,043	12,248	12,269
More than one race	29	46	111	146	154	157	165	183	203	226
Data not reported	26	60	48	39	36	31	3	3	10	17
Physical scientists	6,072	6,469	6,847	6,886	6,870	6,772	6,678	6,826	7,040	7,156
Hispanic or Latino	247	268	289	290	292	293	299	306	312	352
American Indian or Alaska Native	1	2	3	4	3	3	5	4	4	4
Asian	1	1	1	0	0	0	2	2	3	4
Black or African American	3	5	4	5	7	7	8	8	8	12
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	2	2
White	22	34	48	53	58	68	77	84	86	109
More than one race	5	7	11	9	8	11	10	13	14	19
Race not reported	215	219	222	219	216	204	197	194	195	202
Not Hispanic or Latino	5,808	6,179	6,542	6,583	6,566	6,468	6,379	6,520	6,720	6,797
American Indian or Alaska Native	49	55	55	53	54	53	49	46	46	44
Asian	539	573	608	607	614	617	659	702	724	739
Black or African American	412	442	465	474	471	461	460	490	488	488
Native Hawaiian or Other Pacific Islander	5	3	7	8	11	10	10	8	8	8
White	4,788	5,079	5,370	5,398	5,360	5,261	5,130	5,199	5,363	5,417
More than one race	15	27	37	43	56	66	71	75	91	101
Data not reported	17	22	16	13	12	11	0	0	8	7
Social scientists	12,530	13,611	15,076	16,087	16,731	17,595	17,887	17,605	19,129	19,213
Hispanic or Latino	639	674	758	834	864	949	986	993	1,074	1,117
American Indian or Alaska Native	8	8	11	11	14	15	15	21	20	27
Asian	2	4	3	4	6	6	9	7	7	9
Black or African American	6	11	12	12	16	20	23	23	34	31

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Chemical engineers	318	342	352	344	351	340	361	365	361	373
Hispanic or Latino	20	26	27	29	29	25	30	28	23	26
American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	0
Asian	0	0	0	0	0	0	0	0	0	0
Black or African American	0	0	0	0	0	0	1	1	1	1
Native Hawaiian or Other Pacific Islander	0	0	0	1	1	1	2	1	1	1
White	0	3	5	4	6	5	6	6	5	8
More than one race	2	2	1	2	2	1	3	4	4	4
Race not reported	18	21	21	22	20	18	18	16	12	12
Not Hispanic or Latino	297	316	325	315	322	315	331	337	338	347
American Indian or Alaska Native	1	1	1	1	1	1	2	2	1	1
Asian	46	54	56	54	53	53	57	60	59	57
Black or African American	27	29	26	26	25	28	29	32	30	30
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
White	220	228	238	232	241	230	239	237	242	253
More than one race	3	4	4	2	2	3	4	6	6	6
Data not reported	1	0	0	0	0	0	0	0	0	0
Civil engineers	1,563	1,828	2,003	2,095	2,066	2,015	1,964	1,973	2,019	2,043
Hispanic or Latino	101	122	138	149	152	152	154	166	163	188
American Indian or Alaska Native	1	2	3	3	3	2	3	4	3	2
Asian	1	1	1	1	1	0	0	1	1	3
Black or African American	1	2	2	2	2	2	2	1	2	3
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
White	9	16	27	33	35	38	41	49	55	72
More than one race	3	3	5	4	3	3	7	9	9	10
Race not reported	86	98	100	106	108	107	101	102	93	98
Not Hispanic or Latino	1,461	1,705	1,865	1,946	1,914	1,863	1,810	1,807	1,856	1,855
American Indian or Alaska Native	28	33	33	34	30	30	33	33	34	33
Asian	146	168	180	195	199	196	193	190	192	199
Black or African American	123	140	153	157	157	156	149	149	139	139
Native Hawaiian or Other Pacific Islander	5	5	6	9	9	8	6	7	6	7
White	1,146	1,344	1,464	1,517	1,487	1,438	1,398	1,393	1,444	1,436
More than one race	13	15	29	34	32	35	31	35	41	41
Data not reported	1	1	0	0	0	0	0	0	0	0
Electrical, electronics, and computer engineers	3,171	3,313	3,509	3,589	3,595	3,569	3,560	3,601	3,638	3,634
Hispanic or Latino	213	237	256	263	270	279	283	290	305	304
American Indian or Alaska Native	0	2	3	3	6	5	5	6	6	6
Asian	1	1	0	0	0	0	0	0	0	1
Black or African American	2	2	1	1	1	1	1	3	6	6
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	1	1	1	0
White	16	27	41	43	57	70	75	77	87	104
More than one race	2	2	3	3	4	6	9	8	10	8
Race not reported	192	203	208	213	202	196	192	195	195	179
Not Hispanic or Latino	2,957	3,075	3,252	3,323	3,322	3,290	3,277	3,311	3,333	3,330
American Indian or Alaska Native	19	13	17	16	14	16	17	17	18	15
Asian	706	729	766	809	822	823	824	829	857	862

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Black or African American	375	404	423	434	439	458	455	453	460	471
Native Hawaiian or Other Pacific Islander	15	15	15	16	16	15	17	14	15	17
White	1,821	1,888	1,998	2,013	1,984	1,933	1,919	1,951	1,934	1,913
More than one race	21	26	33	35	47	45	45	47	49	52
Data not reported	1	1	1	3	3	0	0	0	0	0
Industrial engineers	326	374	449	456	452	441	439	452	455	436
Hispanic or Latino	28	29	34	33	36	37	39	41	43	40
American Indian or Alaska Native	0	0	0	0	0	1	1	0	0	0
Asian	0	0	0	0	0	0	0	0	1	1
Black or African American	0	1	1	2	2	2	2	3	5	4
Native Hawaiian or Other Pacific Islander	2	4	5	5	10	12	15	15	0	0
White	3	2	3	3	3	3	3	2	14	14
More than one race	0	0	0	0	0	0	0	0	3	2
Race not reported	23	22	25	23	21	19	18	21	20	19
Not Hispanic or Latino	298	345	415	422	416	404	400	411	412	396
American Indian or Alaska Native	3	3	3	2	2	2	2	3	3	3
Asian	24	25	35	36	36	35	37	40	42	40
Black or African American	50	69	76	69	69	67	68	67	67	67
Native Hawaiian or Other Pacific Islander	0	0	1	1	1	0	0	0	0	0
White	219	242	293	302	296	288	281	285	282	269
More than one race	2	6	7	12	12	12	12	16	18	17
Data not reported	0	0	0	1	0	0	0	0	0	0
Mechanical engineers	920	1,055	1,189	1,221	1,226	1,225	1,258	1,361	1,460	1,503
Hispanic or Latino	67	74	85	90	99	98	97	105	113	114
American Indian or Alaska Native	0	1	1	1	0	1	1	2	2	2
Asian	1	2	2	2	2	2	1	0	1	3
Black or African American	1	2	2	2	1	4	3	3	3	3
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
White	2	6	17	20	28	29	32	35	43	39
More than one race	1	2	3	6	5	5	5	6	8	10
Race not reported	62	61	60	59	63	57	55	59	56	57
Not Hispanic or Latino	852	981	1,104	1,131	1,127	1,127	1,161	1,256	1,347	1,389
American Indian or Alaska Native	4	7	11	11	8	9	8	8	9	11
Asian	82	89	93	96	102	104	105	123	137	137
Black or African American	73	80	91	90	91	91	90	88	89	87
Native Hawaiian or Other Pacific Islander	1	1	1	1	2	4	4	9	9	9
White	683	793	895	916	908	905	938	1,002	1,075	1,112
More than one race	9	11	13	17	16	14	16	26	28	33
Data not reported	1	0	0	0	0	0	0	0	0	0
Other engineers	5,117	5,568	6,101	6,466	6,587	6,682	6,703	6,946	7,268	7,402
Hispanic or Latino	367	393	411	436	458	468	471	488	533	569
American Indian or Alaska Native	6	8	8	9	11	6	8	8	11	13
Asian	2	2	3	4	6	9	9	8	8	9
Black or African American	3	4	7	6	8	8	7	7	6	7
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	0	0	1
White	45	61	70	87	100	110	121	146	179	207

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
More than one race	5	8	10	12	19	25	22	26	28	33
Race not reported	306	310	313	318	314	310	303	293	301	299
Not Hispanic or Latino	4,746	5,170	5,681	6,023	6,123	6,208	6,230	6,457	6,735	6,828
American Indian or Alaska Native	44	55	54	63	63	54	54	55	54	49
Asian	500	537	586	607	631	644	670	703	756	760
Black or African American	518	573	638	708	740	742	728	748	772	760
Native Hawaiian or Other Pacific Islander	7	11	13	12	14	15	14	19	17	17
White	3,643	3,950	4,325	4,552	4,590	4,648	4,647	4,809	4,999	5,093
More than one race	34	44	65	81	85	105	117	123	137	149
Data not reported	4	5	9	7	6	6	2	1	0	5
Male										
All occupations	165,713	173,666	183,560	187,161	186,955	185,365	183,112	184,806	189,427	189,475
Hispanic or Latino	7,375	7,763	8,360	8,709	9,031	9,249	9,317	9,672	10,117	10,518
American Indian or Alaska Native	39	53	85	109	126	137	139	153	167	183
Asian	18	28	32	43	49	60	66	76	85	93
Black or African American	40	51	66	75	91	106	116	140	161	191
Native Hawaiian or Other Pacific Islander	5	10	13	15	20	22	20	20	21	28
White	769	1,111	1,675	1,976	2,390	2,635	2,834	3,204	3,563	3,952
More than one race	100	143	218	264	330	376	382	422	484	550
Race not reported	6,404	6,367	6,271	6,227	6,025	5,913	5,760	5,657	5,636	5,521
Not Hispanic or Latino	158,215	165,652	175,034	178,271	177,775	176,050	173,764	175,087	179,258	178,883
American Indian or Alaska Native	1,396	1,437	1,462	1,463	1,410	1,362	1,341	1,296	1,296	1,264
Asian	14,440	15,295	16,352	16,857	17,009	16,950	16,969	17,371	18,030	18,308
Black or African American	8,798	9,475	10,393	10,961	11,316	11,578	11,701	12,132	12,730	13,146
Native Hawaiian or Other Pacific Islander	259	310	343	365	388	362	396	438	488	503
White	132,823	138,362	145,342	147,268	146,034	144,028	141,419	141,662	144,252	142,951
More than one race	499	773	1,142	1,357	1,618	1,770	1,938	2,188	2,462	2,711
Data not reported	123	251	166	181	149	66	31	47	52	74
Scientists	89,773	93,562	99,387	102,094	102,854	102,573	101,428	101,991	105,289	105,320
Hispanic or Latino	3,644	3,832	4,184	4,402	4,623	4,807	4,840	5,003	5,292	5,515
American Indian or Alaska Native	17	24	44	63	69	79	81	90	97	102
Asian	10	10	13	19	19	22	27	32	37	35
Black or African American	25	33	44	50	64	69	75	90	104	124
Native Hawaiian or Other Pacific Islander	3	4	4	5	8	10	8	9	10	11
White	344	537	912	1,067	1,278	1,423	1,527	1,704	1,912	2,119
More than one race	49	66	121	157	191	227	227	245	276	326
Race not reported	3,196	3,158	3,046	3,041	2,994	2,977	2,895	2,833	2,856	2,798
Not Hispanic or Latino	86,038	89,535	95,072	97,564	98,129	97,710	96,561	96,952	99,964	99,752
American Indian or Alaska Native	882	910	915	924	892	863	861	810	824	797
Asian	6,075	6,495	7,186	7,585	7,859	7,976	8,082	8,322	8,776	8,944
Black or African American	5,712	6,120	6,766	7,235	7,568	7,802	7,934	8,250	8,674	8,990
Native Hawaiian or Other Pacific Islander	114	137	154	176	188	172	188	217	247	259
White	73,000	75,477	79,421	80,892	80,710	79,898	78,394	78,117	80,011	79,200
More than one race	255	396	630	752	912	999	1,102	1,236	1,432	1,562
Data not reported	91	195	131	128	102	56	27	36	33	53
Computer and mathematical scientists	31,756	34,147	37,477	39,613	40,968	41,539	41,666	43,335	45,125	46,031
Hispanic or Latino	1,339	1,441	1,603	1,719	1,860	1,973	2,032	2,172	2,324	2,487
American Indian or Alaska Native	9	11	22	32	37	42	42	47	51	54

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Asian	5	4	4	5	5	8	12	17	16	20
Black or African American	16	19	22	27	35	41	45	53	67	75
Native Hawaiian or Other Pacific Islander	1	2	2	2	3	4	2	3	2	4
White	160	255	362	425	545	619	684	790	878	1,005
More than one race	28	35	56	72	99	125	122	128	142	163
Race not reported	1,120	1,115	1,135	1,156	1,136	1,134	1,125	1,134	1,168	1,166
Not Hispanic or Latino	30,403	32,669	35,840	37,844	39,075	39,555	39,627	41,153	42,791	43,528
American Indian or Alaska Native	272	299	311	314	302	300	296	284	296	287
Asian	2,816	3,088	3,480	3,758	3,994	4,109	4,200	4,407	4,694	4,851
Black or African American	3,222	3,561	4,076	4,488	4,788	4,960	5,120	5,442	5,748	6,045
Native Hawaiian or Other Pacific Islander	63	80	89	105	114	104	108	129	152	160
White	23,894	25,427	27,578	28,807	29,410	29,569	29,331	30,224	31,129	31,340
More than one race	136	214	306	372	467	513	572	667	772	845
Data not reported	14	37	34	50	33	11	7	10	10	16
Life scientists	24,890	25,314	26,169	26,068	25,394	24,646	23,968	23,748	23,652	23,251
Hispanic or Latino	1,170	1,193	1,307	1,314	1,339	1,327	1,312	1,331	1,357	1,347
American Indian or Alaska Native	3	5	12	16	13	16	16	16	18	17
Asian	2	3	4	6	6	3	3	3	5	4
Black or African American	1	5	6	7	7	6	6	10	9	12
Native Hawaiian or Other Pacific Islander	2	2	2	2	3	3	3	3	5	5
White	82	102	323	345	375	384	396	430	454	465
More than one race	10	13	43	51	48	51	56	60	70	80
Race not reported	1,070	1,063	917	887	887	864	832	809	796	764
Not Hispanic or Latino	23,685	24,059	24,831	24,726	24,027	23,295	22,647	22,409	22,283	21,877
American Indian or Alaska Native	393	382	376	371	348	329	328	304	301	287
Asian	1,598	1,688	1,882	1,940	1,930	1,919	1,926	1,970	2,008	2,023
Black or African American	854	861	897	893	863	865	853	824	827	839
Native Hawaiian or Other Pacific Islander	21	24	29	35	35	29	35	35	40	41
White	20,771	21,032	21,489	21,307	20,646	19,940	19,280	19,039	18,848	18,416
More than one race	48	72	158	180	205	213	225	237	259	271
Data not reported	35	62	31	28	28	24	9	8	12	27
Physical scientists	17,766	18,034	18,421	18,283	17,938	17,475	16,937	16,782	16,839	16,617
Hispanic or Latino	476	493	517	525	526	531	529	534	550	562
American Indian or Alaska Native	3	4	5	9	10	10	8	9	8	8
Asian	1	1	3	4	4	4	4	4	4	3
Black or African American	3	3	5	5	6	6	6	7	6	8
Native Hawaiian or Other Pacific Islander	0	0	0	1	1	1	1	1	1	0
White	35	56	76	91	105	117	131	146	178	200
More than one race	7	11	11	11	18	19	14	15	20	27
Race not reported	427	418	417	404	382	374	365	352	333	316
Not Hispanic or Latino	17,263	17,506	17,883	17,731	17,388	16,930	16,403	16,245	16,285	16,050
American Indian or Alaska Native	84	87	87	90	88	85	87	82	80	79
Asian	1,186	1,243	1,291	1,291	1,292	1,282	1,279	1,282	1,326	1,325
Black or African American	497	507	511	514	513	500	492	483	507	507
Native Hawaiian or Other Pacific Islander	13	17	17	17	19	18	21	24	24	25
White	15,456	15,609	15,921	15,748	15,397	14,964	14,430	14,266	14,230	13,968

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
More than one race	27	43	56	71	79	81	94	108	118	146
Data not reported	27	35	21	27	24	14	5	3	4	5
Social scientists	15,361	16,067	17,320	18,130	18,554	18,913	18,857	18,126	19,673	19,421
Hispanic or Latino	659	705	757	844	898	976	967	966	1,061	1,119
American Indian or Alaska Native	2	4	5	6	9	11	15	18	20	23
Asian	2	2	2	4	4	7	8	8	12	8
Black or African American	5	6	11	11	16	16	18	20	22	29
Native Hawaiian or Other Pacific Islander	0	0	0	0	1	2	2	2	2	2
White	67	124	151	206	253	303	316	338	402	449
More than one race	4	7	11	23	26	32	35	42	44	56
Race not reported	579	562	577	594	589	605	573	538	559	552
Not Hispanic or Latino	14,687	15,301	16,518	17,263	17,639	17,930	17,884	17,145	18,605	18,297
American Indian or Alaska Native	133	142	141	149	154	149	150	140	147	144
Asian	475	476	533	596	643	666	677	663	748	745
Black or African American	1,139	1,191	1,282	1,340	1,404	1,477	1,469	1,501	1,592	1,599
Native Hawaiian or Other Pacific Islander	17	16	19	19	20	21	24	29	31	33
White	12,879	13,409	14,433	15,030	15,257	15,425	15,353	14,588	15,804	15,476
More than one race	44	67	110	129	161	192	211	224	283	300
Data not reported	15	61	45	23	17	7	6	15	7	5
Engineers	75,940	80,104	84,173	85,067	84,101	82,792	81,684	82,815	84,138	84,155
Hispanic or Latino	3,731	3,931	4,176	4,307	4,408	4,442	4,477	4,669	4,825	5,003
American Indian or Alaska Native	22	29	41	46	57	58	58	63	70	81
Asian	8	18	19	24	30	38	39	44	48	58
Black or African American	15	18	22	25	27	37	41	50	57	67
Native Hawaiian or Other Pacific Islander	2	6	9	10	12	12	12	11	11	17
White	425	574	763	909	1,112	1,212	1,307	1,500	1,651	1,833
More than one race	51	77	97	107	139	149	155	177	208	224
Race not reported	3,208	3,209	3,225	3,186	3,031	2,936	2,865	2,824	2,780	2,723
Not Hispanic or Latino	72,177	76,117	79,962	80,707	79,646	78,340	77,203	78,135	79,294	79,131
American Indian or Alaska Native	514	527	547	539	518	499	480	486	472	467
Asian	8,365	8,800	9,166	9,272	9,150	8,974	8,887	9,049	9,254	9,364
Black or African American	3,086	3,355	3,627	3,726	3,748	3,776	3,767	3,882	4,056	4,156
Native Hawaiian or Other Pacific Islander	145	173	189	189	200	190	208	221	241	244
White	59,823	62,885	65,921	66,376	65,324	64,130	63,025	63,545	64,241	63,751
More than one race	244	377	512	605	706	771	836	952	1,030	1,149
Data not reported	32	56	35	53	47	10	4	11	19	21
Aerospace engineers	7,426	7,613	7,811	7,824	7,708	7,631	7,589	7,747	7,816	7,835
Hispanic or Latino	348	346	360	365	376	381	382	397	412	433
American Indian or Alaska Native	2	1	3	3	4	4	3	3	7	8
Asian	0	0	1	2	3	3	2	3	6	8
Black or African American	1	1	1	1	2	3	3	2	2	3
Native Hawaiian or Other Pacific Islander	1	2	1	0	0	0	0	0	0	0
White	60	70	86	90	116	125	130	148	162	175
More than one race	5	6	6	8	10	11	14	15	14	16
Race not reported	279	266	262	261	241	235	230	226	221	223
Not Hispanic or Latino	7,077	7,266	7,450	7,458	7,330	7,250	7,207	7,350	7,404	7,402
American Indian or Alaska Native	34	36	32	32	30	31	30	30	28	26

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Asian	559	578	590	600	601	602	589	608	625	631
Black or African American	277	272	283	284	277	272	276	286	284	288
Native Hawaiian or Other Pacific Islander	3	4	4	5	9	8	8	9	10	12
White	6,174	6,341	6,503	6,494	6,367	6,284	6,245	6,343	6,375	6,349
More than one race	30	35	38	43	46	53	59	74	82	96
Data not reported	1	1	1	1	2	0	0	0	0	0
Chemical engineers	794	809	816	802	770	739	751	783	774	776
Hispanic or Latino	34	32	35	33	34	34	32	32	33	30
American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	0
Asian	0	0	0	0	0	0	1	0	0	0
Black or African American	0	0	0	0	0	0	0	0	0	0
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
White	2	2	5	5	5	6	5	7	8	6
More than one race	0	0	0	1	1	1	1	3	4	4
Race not reported	32	30	30	27	28	27	25	22	21	20
Not Hispanic or Latino	760	777	778	767	734	703	719	751	741	746
American Indian or Alaska Native	0	0	0	2	3	2	1	3	2	2
Asian	91	95	99	105	98	99	98	107	114	107
Black or African American	28	27	29	29	26	28	28	27	27	29
Native Hawaiian or Other Pacific Islander	0	1	2	1	1	1	1	1	1	1
White	639	652	645	627	602	568	586	607	590	599
More than one race	2	2	3	3	4	5	5	6	7	8
Data not reported	0	0	3	2	2	2	0	0	0	0
Civil engineers	8,360	9,202	9,725	9,833	9,510	9,102	8,639	8,467	8,500	8,365
Hispanic or Latino	440	482	524	553	548	531	528	524	513	533
American Indian or Alaska Native	6	5	8	10	10	9	11	11	12	14
Asian	0	3	2	3	3	3	3	3	2	2
Black or African American	4	5	3	4	4	7	7	5	7	8
Native Hawaiian or Other Pacific Islander	0	0	0	1	1	1	2	1	1	1
White	58	68	96	122	122	125	144	162	163	190
More than one race	5	15	17	18	23	18	22	24	31	34
Race not reported	367	386	398	395	385	368	339	318	297	284
Not Hispanic or Latino	7,919	8,714	9,198	9,276	8,959	8,570	8,110	7,939	7,981	7,828
American Indian or Alaska Native	115	122	121	115	113	111	114	110	107	111
Asian	714	763	799	806	763	713	695	675	692	725
Black or African American	261	302	323	331	320	319	313	307	321	329
Native Hawaiian or Other Pacific Islander	22	24	24	28	28	26	25	31	30	28
White	6,783	7,461	7,857	7,906	7,646	7,309	6,868	6,721	6,724	6,525
More than one race	24	42	74	90	89	92	95	95	107	110
Data not reported	1	6	3	4	3	1	1	4	6	4
Electrical, electronics, and computer engineers	23,612	24,305	25,278	25,219	25,010	24,576	24,239	24,554	24,832	24,824
Hispanic or Latino	1,291	1,339	1,416	1,457	1,512	1,536	1,532	1,623	1,686	1,727
American Indian or Alaska Native	7	12	16	17	25	25	21	20	22	23
Asian	4	7	9	11	14	18	15	20	20	20
Black or African American	4	5	8	8	7	10	14	20	23	25

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Native Hawaiian or Other Pacific Islander	0	1	4	4	7	6	5	4	5	8
White	108	144	201	242	332	383	409	484	527	594
More than one race	14	21	33	35	51	52	51	58	64	70
Race not reported	1,154	1,149	1,145	1,140	1,076	1,042	1,017	1,017	1,025	987
Not Hispanic or Latino	22,315	22,956	23,854	23,744	23,477	23,040	22,707	22,930	23,143	23,093
American Indian or Alaska Native	133	139	144	137	131	121	121	124	112	111
Asian	3,626	3,792	3,926	3,961	3,952	3,902	3,844	3,900	3,989	4,044
Black or African American	1,178	1,254	1,374	1,410	1,432	1,427	1,415	1,451	1,534	1,572
Native Hawaiian or Other Pacific Islander	63	78	74	72	69	69	68	71	78	77
White	17,242	17,578	18,174	17,981	17,683	17,287	17,004	17,108	17,127	16,950
More than one race	73	115	162	183	210	234	255	276	303	339
Data not reported	6	10	8	18	21	0	0	1	3	4
Industrial engineers	1,272	1,358	1,512	1,522	1,473	1,472	1,441	1,453	1,459	1,399
Hispanic or Latino	67	74	78	82	82	77	81	87	91	97
American Indian or Alaska Native	0	0	0	0	0	0	1	1	1	1
Asian	1	1	1	1	1	2	2	2	2	2
Black or African American	1	0	0	0	0	0	0	0	0	1
Native Hawaiian or Other Pacific Islander	10	17	14	19	25	24	25	30	0	0
White	0	0	0	0	0	0	0	0	33	39
More than one race	0	0	0	0	0	0	0	0	1	2
Race not reported	55	56	63	62	56	51	53	54	54	52
Not Hispanic or Latino	1,203	1,282	1,433	1,439	1,390	1,395	1,360	1,366	1,368	1,302
American Indian or Alaska Native	10	9	8	10	8	9	6	8	8	7
Asian	101	99	110	115	119	126	126	123	128	128
Black or African American	72	75	82	76	70	78	79	95	101	100
Native Hawaiian or Other Pacific Islander	1	2	1	1	1	2	3	4	3	5
White	1,012	1,088	1,222	1,222	1,173	1,163	1,128	1,112	1,106	1,040
More than one race	7	9	10	15	19	17	18	24	22	22
Data not reported	2	2	1	1	1	0	0	0	0	0
Mechanical engineers	9,112	9,902	10,553	10,586	10,522	10,345	10,248	10,672	11,112	11,338
Hispanic or Latino	342	367	392	389	407	423	430	480	517	578
American Indian or Alaska Native	3	6	5	5	6	6	7	8	8	13
Asian	0	2	1	1	1	1	3	4	6	9
Black or African American	2	2	3	3	5	8	9	10	9	12
Native Hawaiian or Other Pacific Islander	0	1	2	2	1	1	1	2	2	5
White	31	48	70	81	113	128	143	179	201	231
More than one race	5	4	7	8	13	15	13	16	23	27
Race not reported	301	304	304	289	268	264	254	261	268	281
Not Hispanic or Latino	8,768	9,529	10,158	10,193	10,109	9,922	9,818	10,192	10,595	10,760
American Indian or Alaska Native	38	34	41	44	39	36	33	30	33	33
Asian	905	974	1,026	1,027	984	959	970	1,025	1,029	1,056
Black or African American	269	298	328	326	331	323	317	329	358	352
Native Hawaiian or Other Pacific Islander	9	13	20	15	23	22	25	26	27	27
White	7,519	8,161	8,678	8,708	8,643	8,477	8,358	8,648	9,008	9,130
More than one race	28	49	65	73	89	105	115	134	140	162
Data not reported	2	6	3	4	6	0	0	0	0	0

TABLE 9-34

Occupations of scientists and engineers with at least a bachelor's degree employed by the federal government, by ethnicity, race, and sex: 2008–17

(Number)

Occupation, ethnicity, race, and sex	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Other engineers	25,364	26,915	28,478	29,281	29,108	28,927	28,777	29,139	29,645	29,618
Hispanic or Latino	1,209	1,291	1,371	1,428	1,449	1,460	1,492	1,526	1,573	1,605
American Indian or Alaska Native	4	5	9	11	12	14	15	20	20	22
Asian	3	5	5	6	8	11	13	12	12	17
Black or African American	3	5	7	9	9	9	8	13	16	18
Native Hawaiian or Other Pacific Islander	1	2	2	3	3	4	4	4	3	3
White	156	225	291	350	399	421	451	490	557	598
More than one race	22	31	34	37	41	52	54	61	71	71
Race not reported	1,020	1,018	1,023	1,012	977	949	947	926	894	876
Not Hispanic or Latino	24,135	25,593	27,091	27,830	27,647	27,460	27,282	27,607	28,062	28,000
American Indian or Alaska Native	184	187	201	199	194	189	175	181	182	177
Asian	2,369	2,499	2,616	2,658	2,633	2,573	2,565	2,611	2,677	2,673
Black or African American	1,001	1,127	1,208	1,270	1,292	1,329	1,339	1,387	1,431	1,486
Native Hawaiian or Other Pacific Islander	47	51	64	67	69	62	78	79	92	94
White	20,454	21,604	22,842	23,438	23,210	23,042	22,836	23,006	23,311	23,158
More than one race	80	125	160	198	249	265	289	343	369	412
Data not reported	20	31	16	23	12	7	3	6	10	13

Note(s)

Total may include employees who did not report sex; as a result, detail may not sum to total. National Science Foundation 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.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations of Office of Personnel Management data.