

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
All scientists and engineers										
All occupations	219,204	222,699	226,520	238,685	253,657	259,821	260,429	259,383	257,129	259,690
Hispanic or Latino	9,580	9,986	10,336	10,958	11,863	12,401	12,837	13,190	13,338	13,819
American Indian or Alaska Native	9	38	63	85	130	156	181	189	201	225
Asian	4	14	31	45	49	63	75	87	101	110
Black or African American	7	36	68	99	121	134	167	191	208	235
Native Hawaiian or Other Pacific Islander	2	5	5	11	16	21	27	31	32	34
White	136	620	1,034	1,515	2,301	2,713	3,276	3,681	3,981	4,470
More than one race	17	84	144	204	306	379	464	534	556	612
Race not reported	9,405	9,189	8,991	8,999	8,940	8,935	8,647	8,477	8,259	8,133
Not Hispanic or Latino	209,440	212,438	215,996	227,337	241,509	247,149	247,371	246,071	243,749	245,774
American Indian or Alaska Native	1,950	1,965	2,010	2,098	2,149	2,148	2,101	2,031	2,008	1,963
Asian	19,011	19,445	20,226	21,516	23,184	24,034	24,364	24,430	24,588	25,217
Black or African American	14,800	15,516	16,146	17,372	18,898	19,904	20,509	21,012	21,169	21,798
Native Hawaiian or Other Pacific Islander	245	313	358	419	473	510	538	514	557	603
White	173,317	174,728	176,495	184,762	195,084	198,449	197,389	195,376	192,483	192,874
More than one race	117	471	761	1,170	1,721	2,104	2,470	2,708	2,944	3,319
Data not reported	184	275	188	390	285	271	221	122	42	97
Scientists	132,429	135,357	137,760	144,674	154,415	159,126	160,600	160,871	159,701	160,695
Hispanic or Latino	5,284	5,617	5,734	6,063	6,653	7,011	7,303	7,603	7,693	7,935
American Indian or Alaska Native	6	25	33	43	74	94	103	115	124	140
Asian	3	7	18	21	24	30	33	36	49	54
Black or African American	6	29	46	69	85	94	125	136	150	165
Native Hawaiian or Other Pacific Islander	1	4	3	5	7	10	14	16	16	21
White	77	331	521	802	1,352	1,590	1,901	2,175	2,350	2,607
More than one race	6	44	73	103	179	236	282	334	344	373
Race not reported	5,185	5,177	5,040	5,020	4,932	4,957	4,845	4,791	4,660	4,575
Not Hispanic or Latino	126,996	129,532	131,879	138,285	147,522	151,908	153,132	153,162	151,972	152,675
American Indian or Alaska Native	1,335	1,361	1,384	1,448	1,471	1,470	1,455	1,409	1,402	1,350
Asian	9,359	9,687	10,257	11,015	12,194	12,859	13,262	13,492	13,705	14,115
Black or African American	10,734	11,330	11,784	12,611	13,751	14,589	15,132	15,580	15,772	16,260
Native Hawaiian or Other Pacific Islander	109	152	181	211	246	280	294	280	306	330
White	105,395	106,731	107,845	112,322	118,811	121,402	121,432	120,692	118,917	118,518
More than one race	64	271	428	678	1,049	1,308	1,557	1,709	1,870	2,102
Data not reported	149	208	147	326	240	207	165	106	36	85
Computer and mathematical scientists	45,128	46,702	47,349	50,540	54,911	57,701	59,289	59,899	59,954	61,973
Hispanic or Latino	1,677	1,863	1,917	2,066	2,270	2,439	2,613	2,736	2,807	2,989
American Indian or Alaska Native	4	11	13	16	28	38	44	52	56	60
Asian	0	1	9	8	8	9	10	13	19	25
Black or African American	3	17	25	34	37	44	62	70	78	88
Native Hawaiian or Other Pacific Islander	0	3	1	3	3	4	5	6	5	7
White	27	130	217	340	472	568	726	824	903	1,045
More than one race	4	19	36	47	75	99	126	157	156	166
Race not reported	1,639	1,682	1,616	1,618	1,647	1,677	1,640	1,614	1,590	1,598
Not Hispanic or Latino	43,408	44,790	45,416	48,418	52,596	55,202	56,637	57,150	57,139	58,972
American Indian or Alaska Native	360	396	403	445	463	465	455	441	433	424
Asian	4,298	4,463	4,729	5,165	5,789	6,217	6,533	6,703	6,803	7,095
Black or African American	5,657	6,049	6,294	6,811	7,590	8,214	8,633	8,893	9,062	9,499
Native Hawaiian or Other Pacific Islander	56	80	91	113	123	146	152	146	155	175
White	33,005	33,664	33,693	35,552	38,172	39,576	40,159	40,193	39,831	40,788
More than one race	32	138	206	332	459	584	705	774	855	991
Data not reported	43	49	16	56	45	60	39	13	8	12

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Life scientists	37,667	38,235	38,682	39,953	41,840	42,039	41,218	40,217	39,388	39,383
Hispanic or Latino	1,725	1,776	1,796	1,857	2,062	2,079	2,110	2,118	2,105	2,147
American Indian or Alaska Native	0	7	6	9	22	26	23	24	25	28
Asian	1	2	3	5	7	9	9	6	7	8
Black or African American	1	1	4	10	16	17	18	17	17	19
Native Hawaiian or Other Pacific Islander	0	1	2	2	3	3	4	4	5	6
White	23	104	125	174	507	544	603	637	649	696
More than one race	2	11	12	19	60	72	72	77	87	93
Race not reported	1,698	1,650	1,644	1,638	1,447	1,408	1,381	1,353	1,315	1,297
Not Hispanic or Latino	35,883	36,374	36,825	37,974	39,699	39,893	39,044	38,044	37,271	37,225
American Indian or Alaska Native	546	544	551	550	540	522	501	486	485	470
Asian	2,497	2,619	2,807	2,996	3,319	3,432	3,428	3,402	3,429	3,522
Black or African American	1,541	1,578	1,601	1,660	1,741	1,750	1,731	1,716	1,687	1,674
Native Hawaiian or Other Pacific Islander	20	28	33	38	53	62	61	52	57	57
White	31,272	31,550	31,756	32,612	33,777	33,801	32,964	32,018	31,223	31,082
More than one race	7	55	77	118	269	326	359	370	390	420
Data not reported	59	85	61	122	79	67	64	55	12	11
Physical scientists	23,954	23,724	23,838	24,503	25,268	25,169	24,808	24,247	23,615	23,608
Hispanic or Latino	701	715	723	761	806	815	818	824	828	840
American Indian or Alaska Native	0	2	4	6	8	13	13	13	13	13
Asian	1	1	2	2	4	4	4	4	6	6
Black or African American	0	4	6	8	9	10	13	13	14	15
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	1	1	1	2
White	5	38	57	90	124	144	163	185	208	230
More than one race	0	9	12	18	22	20	26	30	24	28
Race not reported	695	661	642	637	639	623	598	578	562	546
Not Hispanic or Latino	23,223	22,961	23,071	23,685	24,425	24,314	23,954	23,398	22,782	22,765
American Indian or Alaska Native	137	133	133	142	142	143	142	138	136	128
Asian	1,687	1,667	1,725	1,816	1,899	1,898	1,906	1,899	1,938	1,984
Black or African American	890	907	909	949	976	988	984	961	952	973
Native Hawaiian or Other Pacific Islander	12	16	18	20	24	25	30	28	31	32
White	20,492	20,213	20,244	20,688	21,291	21,146	20,757	20,225	19,560	19,465
More than one race	5	25	42	70	93	114	135	147	165	183
Data not reported	30	48	44	57	37	40	36	25	5	3
Social scientists	25,680	26,696	27,891	29,678	32,396	34,217	35,285	36,508	36,744	35,731
Hispanic or Latino	1,181	1,263	1,298	1,379	1,515	1,678	1,762	1,925	1,953	1,959
American Indian or Alaska Native	2	5	10	12	16	17	23	26	30	39
Asian	1	3	4	6	5	8	10	13	17	15
Black or African American	2	7	11	17	23	23	32	36	41	43
Native Hawaiian or Other Pacific Islander	1	0	0	0	1	2	4	5	5	6
White	22	59	122	198	249	334	409	529	590	636
More than one race	0	5	13	19	22	45	58	70	77	86
Race not reported	1,153	1,184	1,138	1,127	1,199	1,249	1,226	1,246	1,193	1,134
Not Hispanic or Latino	24,482	25,407	26,567	28,208	30,802	32,499	33,497	34,570	34,780	33,713
American Indian or Alaska Native	292	288	297	311	326	340	357	344	348	328
Asian	877	938	996	1,038	1,187	1,312	1,395	1,488	1,535	1,514
Black or African American	2,646	2,796	2,980	3,191	3,444	3,637	3,784	4,010	4,071	4,114
Native Hawaiian or Other Pacific Islander	21	28	39	40	46	47	51	54	63	66
White	20,626	21,304	22,152	23,470	25,571	26,879	27,552	28,256	28,303	27,183
More than one race	20	53	103	158	228	284	358	418	460	508
Data not reported	17	26	26	91	79	40	26	13	11	59

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Engineers	86,775	87,342	88,760	94,011	99,242	100,695	99,829	98,512	97,428	98,995
Hispanic or Latino	4,296	4,369	4,602	4,895	5,210	5,390	5,534	5,587	5,645	5,884
American Indian or Alaska Native	3	13	30	42	56	62	78	74	77	85
Asian	1	7	13	24	25	33	42	51	52	56
Black or African American	1	7	22	30	36	40	42	55	58	70
Native Hawaiian or Other Pacific Islander	1	1	2	6	9	11	13	15	16	13
White	59	289	513	713	949	1,123	1,375	1,506	1,631	1,863
More than one race	11	40	71	101	127	143	182	200	212	239
Race not reported	4,220	4,012	3,951	3,979	4,008	3,978	3,802	3,686	3,599	3,558
Not Hispanic or Latino	82,444	82,906	84,117	89,052	93,987	95,241	94,239	92,909	91,777	93,099
American Indian or Alaska Native	615	604	626	650	678	678	646	622	606	613
Asian	9,652	9,758	9,969	10,501	10,990	11,175	11,102	10,938	10,883	11,102
Black or African American	4,066	4,186	4,362	4,761	5,147	5,315	5,377	5,432	5,397	5,538
Native Hawaiian or Other Pacific Islander	136	161	177	208	227	230	244	234	251	273
White	67,922	67,997	68,650	72,440	76,273	77,047	75,957	74,684	73,566	74,356
More than one race	53	200	333	492	672	796	913	999	1,074	1,217
Data not reported	35	67	41	64	45	64	56	16	6	12
Aerospace engineers	8,349	8,519	8,831	9,040	9,277	9,281	9,159	9,079	9,048	9,229
Hispanic or Latino	376	397	423	429	443	448	458	467	476	494
American Indian or Alaska Native	0	1	3	1	3	3	5	5	4	5
Asian	0	0	0	0	1	4	6	5	5	6
Black or African American	0	0	1	2	2	3	3	4	4	4
Native Hawaiian or Other Pacific Islander	0	0	1	2	1	0	0	1	0	0
White	4	49	74	92	107	112	143	155	164	183
More than one race	1	5	9	11	11	14	17	19	22	22
Race not reported	371	342	335	321	318	312	284	278	277	274
Not Hispanic or Latino	7,971	8,121	8,406	8,609	8,833	8,832	8,699	8,612	8,572	8,735
American Indian or Alaska Native	41	40	47	47	44	44	40	42	40	39
Asian	614	637	659	677	698	706	710	711	699	716
Black or African American	352	368	387	383	396	389	385	386	387	405
Native Hawaiian or Other Pacific Islander	4	5	7	7	6	7	11	10	10	12
White	6,957	7,050	7,269	7,451	7,642	7,633	7,494	7,396	7,364	7,477
More than one race	3	21	37	44	47	53	59	67	72	86
Data not reported	2	1	2	2	1	1	2	0	0	0
Chemical engineers	1,083	1,083	1,112	1,151	1,168	1,146	1,121	1,079	1,112	1,148
Hispanic or Latino	56	52	54	58	62	62	63	59	62	60
American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	0
Asian	0	0	0	0	0	0	0	0	1	0
Black or African American	0	0	0	0	0	0	0	0	1	1
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	1	1	2	1
White	0	1	2	5	10	9	11	11	11	13
More than one race	1	2	2	2	1	3	3	2	4	7
Race not reported	55	49	50	51	51	49	48	45	43	38
Not Hispanic or Latino	1,027	1,030	1,057	1,093	1,103	1,082	1,056	1,018	1,050	1,088
American Indian or Alaska Native	0	1	1	1	1	3	4	3	3	5
Asian	141	135	137	149	155	159	151	152	155	167
Black or African American	49	51	55	56	55	55	51	56	57	59
Native Hawaiian or Other Pacific Islander	0	0	0	1	2	1	1	1	1	1
White	837	839	859	880	883	859	843	798	825	844
More than one race	0	4	5	6	7	5	6	8	9	12
Data not reported	0	1	1	0	3	2	2	2	0	0

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Civil engineers	9,886	9,877	9,923	11,030	11,728	11,928	11,576	11,117	10,603	10,440
Hispanic or Latino	493	493	541	604	662	702	700	683	682	690
American Indian or Alaska Native	0	3	7	7	11	13	13	11	14	15
Asian	0	0	1	4	3	4	4	3	3	4
Black or African American	0	0	5	7	5	6	6	9	9	6
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	1	1	2	1
White	16	37	67	84	123	155	157	163	185	211
More than one race	2	4	8	18	22	22	26	21	29	33
Race not reported	475	449	453	484	498	501	493	475	440	420
Not Hispanic or Latino	9,391	9,382	9,380	10,419	11,063	11,222	10,873	10,433	9,920	9,746
American Indian or Alaska Native	135	142	143	155	154	149	143	141	147	143
Asian	858	850	860	931	979	1,001	962	909	888	865
Black or African American	364	375	384	442	476	488	477	475	462	456
Native Hawaiian or Other Pacific Islander	13	21	27	29	30	37	37	34	31	38
White	8,015	7,975	7,929	8,805	9,321	9,423	9,133	8,747	8,266	8,114
More than one race	6	19	37	57	103	124	121	127	126	130
Data not reported	2	2	2	7	3	4	3	1	1	4
Electrical, electronics, and computer engineers	26,792	26,738	26,783	27,618	28,787	28,808	28,605	28,145	27,799	28,155
Hispanic or Latino	1,483	1,469	1,504	1,576	1,672	1,720	1,782	1,815	1,815	1,913
American Indian or Alaska Native	0	2	7	14	19	20	31	30	26	26
Asian	0	4	5	8	9	11	14	18	15	20
Black or African American	0	2	6	7	9	9	8	11	15	23
Native Hawaiian or Other Pacific Islander	0	0	0	1	4	4	7	7	6	5
White	11	73	124	171	242	285	389	453	484	561
More than one race	2	10	16	23	36	38	55	58	60	66
Race not reported	1,470	1,378	1,346	1,352	1,353	1,353	1,278	1,238	1,209	1,212
Not Hispanic or Latino	25,297	25,230	25,272	26,031	27,106	27,067	26,799	26,330	25,984	26,241
American Indian or Alaska Native	149	140	152	152	161	153	145	137	138	141
Asian	4,180	4,236	4,332	4,521	4,692	4,770	4,774	4,725	4,668	4,729
Black or African American	1,475	1,508	1,553	1,658	1,797	1,844	1,871	1,885	1,870	1,904
Native Hawaiian or Other Pacific Islander	62	74	78	93	89	88	85	84	85	85
White	19,410	19,213	19,063	19,466	20,172	19,994	19,667	19,220	18,923	19,059
More than one race	21	59	94	141	195	218	257	279	300	323
Data not reported	12	39	7	11	9	21	24	0	0	1
Industrial engineers	1,639	1,639	1,598	1,732	1,961	1,978	1,925	1,913	1,880	1,905
Hispanic or Latino	81	84	95	103	112	115	118	114	120	128
American Indian or Alaska Native	0	0	0	0	0	0	0	1	2	1
Asian	1	1	1	1	1	1	1	2	2	2
Black or African American	1	1	1	1	1	2	2	2	2	3
Native Hawaiian or Other Pacific Islander	2	6	12	21	19	24	35	36	40	45
White	1	2	3	2	3	3	3	3	3	2
More than one race	0	0	0	0	0	0	0	0	0	0
Race not reported	76	74	78	78	88	85	77	70	71	75
Not Hispanic or Latino	1,558	1,554	1,501	1,627	1,848	1,861	1,806	1,799	1,760	1,777
American Indian or Alaska Native	11	9	13	12	11	12	10	11	8	11
Asian	145	136	125	124	145	151	155	161	163	163
Black or African American	108	112	122	144	158	145	139	145	147	162
Native Hawaiian or Other Pacific Islander	0	2	1	2	2	2	2	2	3	4
White	1,293	1,291	1,231	1,330	1,515	1,524	1,469	1,451	1,409	1,397
More than one race	1	4	9	15	17	27	31	29	30	40
Data not reported	0	1	2	2	1	2	1	0	0	0

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Mechanical engineers	9,731	9,872	10,032	10,957	11,742	11,807	11,748	11,570	11,506	12,033
Hispanic or Latino	376	383	409	441	477	479	506	521	527	585
American Indian or Alaska Native	0	1	3	7	6	6	6	7	8	10
Asian	0	0	1	4	3	3	3	3	4	4
Black or African American	0	1	3	4	5	5	6	12	12	13
Native Hawaiian or Other Pacific Islander	0	0	0	1	2	2	1	1	1	2
White	6	22	33	54	87	101	141	157	175	214
More than one race	1	3	6	6	10	14	18	20	18	22
Race not reported	369	356	363	365	364	348	331	321	309	320
Not Hispanic or Latino	9,353	9,487	9,620	10,510	11,262	11,324	11,236	11,049	10,979	11,448
American Indian or Alaska Native	44	44	42	41	52	55	47	45	41	38
Asian	961	962	987	1,063	1,119	1,123	1,086	1,063	1,075	1,148
Black or African American	326	330	342	378	419	416	422	414	407	417
Native Hawaiian or Other Pacific Islander	8	7	10	14	21	16	25	26	29	35
White	8,005	8,119	8,202	8,954	9,573	9,624	9,551	9,382	9,296	9,650
More than one race	9	25	37	60	78	90	105	119	131	160
Data not reported	2	2	3	6	3	4	6	0	0	0
Other engineers	29,295	29,614	30,481	32,483	34,579	35,747	35,695	35,609	35,480	36,085
Hispanic or Latino	1,431	1,491	1,576	1,684	1,782	1,864	1,907	1,928	1,963	2,014
American Indian or Alaska Native	3	6	10	13	17	20	23	20	23	28
Asian	0	2	5	7	8	10	14	20	22	20
Black or African American	0	3	6	9	14	15	17	17	15	20
Native Hawaiian or Other Pacific Islander	1	1	1	2	2	3	3	4	5	4
White	20	101	201	286	361	437	499	531	572	636
More than one race	3	14	27	39	44	49	60	77	76	87
Race not reported	1,404	1,364	1,326	1,328	1,336	1,330	1,291	1,259	1,250	1,219
Not Hispanic or Latino	27,847	28,102	28,881	30,763	32,772	33,853	33,770	33,668	33,512	34,064
American Indian or Alaska Native	235	228	228	242	255	262	257	243	229	236
Asian	2,753	2,802	2,869	3,036	3,202	3,265	3,264	3,217	3,235	3,314
Black or African American	1,392	1,442	1,519	1,700	1,846	1,978	2,032	2,071	2,067	2,135
Native Hawaiian or Other Pacific Islander	49	52	54	62	77	79	83	77	92	98
White	23,405	23,510	24,097	25,554	27,167	27,990	27,800	27,690	27,483	27,815
More than one race	13	68	114	169	225	279	334	370	406	466
Data not reported	17	21	24	36	25	30	18	13	5	7
Female										
All occupations	56,560	58,539	60,806	65,019	70,097	72,660	73,474	74,018	74,017	74,884
Hispanic or Latino	2,663	2,810	2,961	3,195	3,503	3,692	3,806	3,941	4,021	4,147
American Indian or Alaska Native	5	15	24	32	45	47	55	52	62	72
Asian	0	7	13	17	17	20	26	27	35	34
Black or African American	4	17	28	48	55	59	76	85	92	95
Native Hawaiian or Other Pacific Islander	0	1	0	1	3	6	7	9	12	14
White	32	170	265	404	626	737	886	1,046	1,147	1,266
More than one race	3	24	44	61	88	115	134	158	174	190
Race not reported	2,619	2,576	2,587	2,632	2,669	2,708	2,622	2,564	2,499	2,476
Not Hispanic or Latino	53,835	55,634	57,780	61,685	66,475	68,878	69,596	70,021	69,985	70,687
American Indian or Alaska Native	585	583	614	661	687	685	691	669	667	667
Asian	5,255	5,449	5,786	6,221	6,832	7,177	7,355	7,480	7,619	7,846
Black or African American	6,704	7,046	7,348	7,897	8,505	8,943	9,193	9,434	9,468	9,666
Native Hawaiian or Other Pacific Islander	69	84	99	109	130	145	150	152	161	165
White	41,174	42,293	43,671	46,400	49,742	51,181	51,355	51,348	51,064	51,212
More than one race	48	179	262	397	579	747	852	938	1,006	1,131
Data not reported	62	95	65	139	119	90	72	56	11	50

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Scientists	44,735	46,305	47,987	51,112	55,028	57,032	57,746	58,298	58,273	58,704
Hispanic or Latino	1,896	2,028	2,090	2,231	2,469	2,609	2,680	2,796	2,853	2,932
American Indian or Alaska Native	3	11	16	19	30	31	34	36	43	50
Asian	0	5	8	11	11	11	14	14	22	22
Black or African American	4	12	21	36	41	44	61	67	75	75
Native Hawaiian or Other Pacific Islander	0	1	0	1	3	5	6	6	8	12
White	23	115	177	265	440	523	623	752	823	903
More than one race	1	14	24	37	58	79	91	107	117	128
Race not reported	1,865	1,870	1,844	1,862	1,886	1,916	1,851	1,814	1,765	1,742
Not Hispanic or Latino	42,784	44,197	45,841	48,750	52,450	54,344	55,003	55,452	55,411	55,723
American Indian or Alaska Native	479	477	502	538	556	546	563	546	541	540
Asian	3,774	3,917	4,182	4,520	5,008	5,274	5,403	5,516	5,623	5,793
Black or African American	5,559	5,836	6,072	6,491	6,985	7,354	7,564	7,778	7,838	8,010
Native Hawaiian or Other Pacific Islander	41	52	67	74	92	104	106	108	118	113
White	32,894	33,787	34,845	36,845	39,390	40,510	40,722	40,794	40,523	40,401
More than one race	37	128	173	282	419	556	645	710	768	866
Data not reported	55	80	56	131	109	79	63	50	9	49
Computer and mathematical scientists	15,096	15,494	15,593	16,393	17,434	18,088	18,321	18,360	18,288	18,638
Hispanic or Latino	524	568	578	625	667	720	753	763	775	817
American Indian or Alaska Native	2	4	4	5	6	6	7	10	14	13
Asian	0	1	4	4	4	4	5	5	7	8
Black or African American	1	6	9	15	15	17	27	29	33	35
Native Hawaiian or Other Pacific Islander	0	1	0	1	1	2	2	2	3	4
White	9	39	57	85	110	143	181	205	219	255
More than one race	1	6	8	12	19	27	27	32	34	38
Race not reported	511	511	496	503	512	521	504	480	465	464
Not Hispanic or Latino	14,552	14,906	15,013	15,749	16,756	17,358	17,562	17,595	17,512	17,819
American Indian or Alaska Native	121	124	131	146	152	151	153	141	137	140
Asian	1,772	1,810	1,913	2,077	2,309	2,459	2,539	2,594	2,603	2,688
Black or African American	2,856	3,003	3,072	3,250	3,514	3,726	3,845	3,933	3,942	4,057
Native Hawaiian or Other Pacific Islander	22	24	28	33	34	41	38	42	47	46
White	9,762	9,879	9,799	10,125	10,594	10,769	10,749	10,624	10,500	10,564
More than one race	19	66	70	118	153	212	238	261	283	324
Data not reported	20	20	2	19	11	10	6	2	1	2
Life scientists	12,838	13,279	13,792	14,639	15,671	15,971	15,824	15,571	15,420	15,635
Hispanic or Latino	588	620	626	664	755	765	771	791	793	816
American Indian or Alaska Native	0	3	3	4	10	10	10	8	9	12
Asian	0	1	1	2	3	3	3	3	4	5
Black or African American	1	1	3	5	10	10	11	11	11	9
Native Hawaiian or Other Pacific Islander	0	0	0	0	1	1	1	1	2	3
White	4	34	43	72	184	199	228	253	253	266
More than one race	0	2	2	6	17	21	24	26	31	33
Race not reported	583	579	574	575	530	521	494	489	483	488
Not Hispanic or Latino	12,227	12,625	13,140	13,915	14,868	15,167	15,017	14,749	14,624	14,816
American Indian or Alaska Native	148	145	158	168	164	151	153	157	157	166
Asian	1,031	1,106	1,209	1,308	1,437	1,492	1,498	1,483	1,503	1,552
Black or African American	693	721	747	799	844	857	868	851	834	850
Native Hawaiian or Other Pacific Islander	4	8	12	14	24	27	26	23	22	22
White	10,348	10,624	10,985	11,580	12,288	12,494	12,318	12,078	11,943	12,043
More than one race	3	21	29	46	111	146	154	157	165	183
Data not reported	23	34	26	60	48	39	36	31	3	3

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Physical scientists	5,829	5,855	6,072	6,469	6,847	6,886	6,870	6,772	6,678	6,826
Hispanic or Latino	224	233	247	268	289	290	292	293	299	306
American Indian or Alaska Native	0	0	1	2	3	4	3	3	5	4
Asian	0	1	1	1	1	0	0	0	2	2
Black or African American	0	1	3	5	4	5	7	7	8	8
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	1
White	1	17	22	34	48	53	58	68	77	84
More than one race	0	3	5	7	11	9	8	11	10	13
Race not reported	223	211	215	219	222	219	216	204	197	194
Not Hispanic or Latino	5,599	5,608	5,808	6,179	6,542	6,583	6,566	6,468	6,379	6,520
American Indian or Alaska Native	47	47	49	55	55	53	54	53	49	46
Asian	521	516	539	573	608	607	614	617	659	702
Black or African American	404	405	412	442	465	474	471	461	460	490
Native Hawaiian or Other Pacific Islander	1	2	5	3	7	8	11	10	10	8
White	4,623	4,628	4,788	5,079	5,370	5,398	5,360	5,261	5,130	5,199
More than one race	3	10	15	27	37	43	56	66	71	75
Data not reported	6	14	17	22	16	13	12	11	0	0
Social scientists	10,972	11,677	12,530	13,611	15,076	16,087	16,731	17,595	17,887	17,605
Hispanic or Latino	560	607	639	674	758	834	864	949	986	993
American Indian or Alaska Native	1	4	8	8	11	11	14	15	15	21
Asian	0	2	2	4	3	4	6	6	9	7
Black or African American	2	4	6	11	12	12	16	20	23	23
Native Hawaiian or Other Pacific Islander	0	0	0	0	1	2	3	3	3	4
White	9	25	55	74	98	128	156	226	274	298
More than one race	0	3	9	12	11	22	32	38	42	44
Race not reported	548	569	559	565	622	655	637	641	620	596
Not Hispanic or Latino	10,406	11,058	11,880	12,907	14,284	15,236	15,858	16,640	16,896	16,568
American Indian or Alaska Native	163	161	164	169	185	191	203	195	198	188
Asian	450	485	521	562	654	716	752	822	858	851
Black or African American	1,606	1,707	1,841	2,000	2,162	2,297	2,380	2,533	2,602	2,613
Native Hawaiian or Other Pacific Islander	14	18	22	24	27	28	31	33	39	37
White	8,161	8,656	9,273	10,061	11,138	11,849	12,295	12,831	12,950	12,595
More than one race	12	31	59	91	118	155	197	226	249	284
Data not reported	6	12	11	30	34	17	9	6	5	44
Engineers	11,825	12,234	12,819	13,907	15,069	15,628	15,728	15,720	15,744	16,180
Hispanic or Latino	767	782	871	964	1,034	1,083	1,126	1,145	1,168	1,215
American Indian or Alaska Native	2	4	8	13	15	16	21	16	19	22
Asian	0	2	5	6	6	9	12	13	13	12
Black or African American	0	5	7	12	14	15	15	18	17	20
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	1	3	4	2
White	9	55	88	139	186	214	263	294	324	363
More than one race	2	10	20	24	30	36	43	51	57	62
Race not reported	754	706	743	770	783	792	771	750	734	734
Not Hispanic or Latino	11,051	11,437	11,939	12,935	14,025	14,534	14,593	14,569	14,574	14,964
American Indian or Alaska Native	106	106	112	123	131	139	128	123	126	127
Asian	1,481	1,532	1,604	1,701	1,824	1,903	1,952	1,964	1,996	2,053
Black or African American	1,145	1,210	1,276	1,406	1,520	1,589	1,629	1,656	1,630	1,656
Native Hawaiian or Other Pacific Islander	28	32	32	35	38	41	44	44	43	52
White	8,280	8,506	8,826	9,555	10,352	10,671	10,633	10,554	10,541	10,811
More than one race	11	51	89	115	160	191	207	228	238	265
Data not reported	7	15	9	8	10	11	9	6	2	1

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Aerospace engineers	1,256	1,316	1,404	1,427	1,466	1,457	1,451	1,448	1,459	1,482
Hispanic or Latino	61	63	75	83	83	83	82	86	94	97
American Indian or Alaska Native	0	0	1	0	0	0	1	1	1	2
Asian	0	0	0	0	0	2	3	2	3	3
Black or African American	0	0	0	1	1	2	1	1	1	2
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	0	0
White	0	10	14	22	21	22	27	30	34	35
More than one race	0	1	4	5	5	6	7	8	8	7
Race not reported	61	52	56	55	56	51	43	43	47	48
Not Hispanic or Latino	1,193	1,253	1,328	1,343	1,383	1,374	1,369	1,362	1,365	1,385
American Indian or Alaska Native	10	11	13	11	12	12	10	11	10	9
Asian	88	93	100	99	108	106	109	109	110	108
Black or African American	99	109	110	111	113	105	108	114	111	119
Native Hawaiian or Other Pacific Islander	2	2	4	3	2	2	2	2	2	3
White	993	1,034	1,094	1,110	1,139	1,139	1,127	1,112	1,119	1,134
More than one race	1	4	7	9	9	10	13	14	13	12
Data not reported	2	0	1	1	0	0	0	0	0	0
Chemical engineers	296	299	318	342	352	344	351	340	361	365
Hispanic or Latino	21	18	20	26	27	29	29	25	30	28
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	0	0	1	1
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	1	1	2	1
White	0	0	0	3	5	4	6	5	6	6
More than one race	1	2	2	2	1	2	2	1	3	4
Race not reported	20	16	18	21	21	22	20	18	18	16
Not Hispanic or Latino	275	280	297	316	325	315	322	315	331	337
American Indian or Alaska Native	0	1	1	1	1	1	1	1	2	2
Asian	49	44	46	54	56	54	53	53	57	60
Black or African American	22	24	27	29	26	26	25	28	29	32
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
White	204	208	220	228	238	232	241	230	239	237
More than one race	0	3	3	4	4	2	2	3	4	6
Data not reported	0	1	1	0	0	0	0	0	0	0
Civil engineers	1,402	1,465	1,563	1,828	2,003	2,095	2,066	2,015	1,964	1,973
Hispanic or Latino	80	79	101	122	138	149	152	152	154	166
American Indian or Alaska Native	0	1	1	2	3	3	3	2	3	4
Asian	0	0	1	1	1	1	1	0	0	1
Black or African American	0	0	1	2	2	2	2	2	2	1
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
White	2	7	9	16	27	33	35	38	41	49
More than one race	0	2	3	3	5	4	3	3	7	9
Race not reported	78	69	86	98	100	106	108	107	101	102
Not Hispanic or Latino	1,322	1,386	1,461	1,705	1,865	1,946	1,914	1,863	1,810	1,807
American Indian or Alaska Native	27	27	28	33	33	34	30	30	33	33
Asian	128	134	146	168	180	195	199	196	193	190
Black or African American	107	116	123	140	153	157	157	156	149	149
Native Hawaiian or Other Pacific Islander	3	4	5	5	6	9	9	8	6	7
White	1,056	1,102	1,146	1,344	1,464	1,517	1,487	1,438	1,398	1,393
More than one race	1	3	13	15	29	34	32	35	31	35
Data not reported	0	0	1	1	0	0	0	0	0	0

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Electrical, electronics, and computer engineers	3,088	3,140	3,171	3,313	3,509	3,589	3,595	3,569	3,560	3,601
Hispanic or Latino	219	209	213	237	256	263	270	279	283	290
American Indian or Alaska Native	0	0	0	2	3	3	6	5	5	6
Asian	0	1	1	1	0	0	0	0	0	0
Black or African American	0	1	2	2	1	1	1	1	1	3
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	1	1
White	4	12	16	27	41	43	57	70	75	77
More than one race	0	0	2	2	3	3	4	6	9	8
Race not reported	215	195	192	203	208	213	202	196	192	195
Not Hispanic or Latino	2,866	2,923	2,957	3,075	3,252	3,323	3,322	3,290	3,277	3,311
American Indian or Alaska Native	14	16	19	13	17	16	14	16	17	17
Asian	669	681	706	729	766	809	822	823	824	829
Black or African American	358	376	375	404	423	434	439	458	455	453
Native Hawaiian or Other Pacific Islander	14	17	15	15	15	16	16	15	17	14
White	1,806	1,817	1,821	1,888	1,998	2,013	1,984	1,933	1,919	1,951
More than one race	5	16	21	26	33	35	47	45	45	47
Data not reported	3	8	1	1	1	3	3	0	0	0
Industrial engineers	306	314	326	374	449	456	452	441	439	452
Hispanic or Latino	21	21	28	29	34	33	36	37	39	41
American Indian or Alaska Native	0	0	0	0	0	0	0	1	1	0
Asian	0	0	0	0	0	0	0	0	0	0
Black or African American	0	0	0	1	1	2	2	2	2	3
Native Hawaiian or Other Pacific Islander	0	0	2	4	5	5	10	12	15	15
White	1	2	3	2	3	3	3	3	3	2
More than one race	0	0	0	0	0	0	0	0	0	0
Race not reported	20	19	23	22	25	23	21	19	18	21
Not Hispanic or Latino	285	293	298	345	415	422	416	404	400	411
American Indian or Alaska Native	1	1	3	3	3	2	2	2	2	3
Asian	33	30	24	25	35	36	36	35	37	40
Black or African American	45	47	50	69	76	69	69	67	68	67
Native Hawaiian or Other Pacific Islander	0	0	0	0	1	1	1	0	0	0
White	206	215	219	242	293	302	296	288	281	285
More than one race	0	0	2	6	7	12	12	12	12	16
Data not reported	0	0	0	0	0	1	0	0	0	0
Mechanical engineers	862	900	920	1,055	1,189	1,221	1,226	1,225	1,258	1,361
Hispanic or Latino	57	61	67	74	85	90	99	98	97	105
American Indian or Alaska Native	0	0	0	1	1	1	0	1	1	2
Asian	0	0	1	2	2	2	2	2	1	0
Black or African American	0	1	1	2	2	2	1	4	3	3
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
White	0	1	2	6	17	20	28	29	32	35
More than one race	0	0	1	2	3	6	5	5	5	6
Race not reported	57	59	62	61	60	59	63	57	55	59
Not Hispanic or Latino	805	839	852	981	1,104	1,131	1,127	1,127	1,161	1,256
American Indian or Alaska Native	7	3	4	7	11	11	8	9	8	8
Asian	77	78	82	89	93	96	102	104	105	123
Black or African American	65	62	73	80	91	90	91	91	90	88
Native Hawaiian or Other Pacific Islander	1	1	1	1	1	1	2	4	4	9
White	654	688	683	793	895	916	908	905	938	1,002
More than one race	1	7	9	11	13	17	16	14	16	26
Data not reported	0	0	1	0	0	0	0	0	0	0

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Other engineers	4,615	4,800	5,117	5,568	6,101	6,466	6,587	6,682	6,703	6,946
Hispanic or Latino	308	331	367	393	411	436	458	468	471	488
American Indian or Alaska Native	2	3	6	8	8	9	11	6	8	8
Asian	0	1	2	2	3	4	6	9	9	8
Black or African American	0	3	3	4	7	6	8	8	7	7
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	1	0
White	3	25	45	61	70	87	100	110	121	146
More than one race	0	3	5	8	10	12	19	25	22	26
Race not reported	303	296	306	310	313	318	314	310	303	293
Not Hispanic or Latino	4,305	4,463	4,746	5,170	5,681	6,023	6,123	6,208	6,230	6,457
American Indian or Alaska Native	47	47	44	55	54	63	63	54	54	55
Asian	437	472	500	537	586	607	631	644	670	703
Black or African American	449	476	518	573	638	708	740	742	728	748
Native Hawaiian or Other Pacific Islander	8	8	7	11	13	12	14	15	14	19
White	3,361	3,442	3,643	3,950	4,325	4,552	4,590	4,648	4,647	4,809
More than one race	3	18	34	44	65	81	85	105	117	123
Data not reported	2	6	4	5	9	7	6	6	2	1
Male										
All occupations	162,641	164,158	165,713	173,666	183,560	187,161	186,955	185,365	183,112	184,806
Hispanic or Latino	6,917	7,176	7,375	7,763	8,360	8,709	9,031	9,249	9,317	9,672
American Indian or Alaska Native	4	23	39	53	85	109	126	137	139	153
Asian	4	7	18	28	32	43	49	60	66	76
Black or African American	3	19	40	51	66	75	91	106	116	140
Native Hawaiian or Other Pacific Islander	2	4	5	10	13	15	20	22	20	20
White	104	450	769	1,111	1,675	1,976	2,390	2,635	2,834	3,204
More than one race	14	60	100	143	218	264	330	376	382	422
Race not reported	6,786	6,613	6,404	6,367	6,271	6,227	6,025	5,913	5,760	5,657
Not Hispanic or Latino	155,602	156,802	158,215	165,652	175,034	178,271	177,775	176,050	173,764	175,087
American Indian or Alaska Native	1,365	1,382	1,396	1,437	1,462	1,463	1,410	1,362	1,341	1,296
Asian	13,756	13,996	14,440	15,295	16,352	16,857	17,009	16,950	16,969	17,371
Black or African American	8,096	8,470	8,798	9,475	10,393	10,961	11,316	11,578	11,701	12,132
Native Hawaiian or Other Pacific Islander	176	229	259	310	343	365	388	362	396	438
White	132,140	132,433	132,823	138,362	145,342	147,268	146,034	144,028	141,419	141,662
More than one race	69	292	499	773	1,142	1,357	1,618	1,770	1,938	2,188
Data not reported	122	180	123	251	166	181	149	66	31	47
Scientists	87,692	89,051	89,773	93,562	99,387	102,094	102,854	102,573	101,428	101,991
Hispanic or Latino	3,388	3,589	3,644	3,832	4,184	4,402	4,623	4,807	4,840	5,003
American Indian or Alaska Native	3	14	17	24	44	63	69	79	81	90
Asian	3	2	10	10	13	19	19	22	27	32
Black or African American	2	17	25	33	44	50	64	69	75	90
Native Hawaiian or Other Pacific Islander	1	3	3	4	4	5	8	10	8	9
White	54	216	344	537	912	1,067	1,278	1,423	1,527	1,704
More than one race	5	30	49	66	121	157	191	227	227	245
Race not reported	3,320	3,307	3,196	3,158	3,046	3,041	2,994	2,977	2,895	2,833
Not Hispanic or Latino	84,210	85,334	86,038	89,535	95,072	97,564	98,129	97,710	96,561	96,952
American Indian or Alaska Native	856	884	882	910	915	924	892	863	861	810
Asian	5,585	5,770	6,075	6,495	7,186	7,585	7,859	7,976	8,082	8,322
Black or African American	5,175	5,494	5,712	6,120	6,766	7,235	7,568	7,802	7,934	8,250
Native Hawaiian or Other Pacific Islander	68	100	114	137	154	176	188	172	188	217
White	72,499	72,943	73,000	75,477	79,421	80,892	80,710	79,898	78,394	78,117
More than one race	27	143	255	396	630	752	912	999	1,102	1,236
Data not reported	94	128	91	195	131	128	102	56	27	36

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Computer and mathematical scientists	30,030	31,208	31,756	34,147	37,477	39,613	40,968	41,539	41,666	43,335
Hispanic or Latino	1,153	1,295	1,339	1,441	1,603	1,719	1,860	1,973	2,032	2,172
American Indian or Alaska Native	2	7	9	11	22	32	37	42	42	47
Asian	0	0	5	4	4	5	5	8	12	17
Black or African American	2	11	16	19	22	27	35	41	45	53
Native Hawaiian or Other Pacific Islander	0	2	1	2	2	2	3	4	2	3
White	18	91	160	255	362	425	545	619	684	790
More than one race	3	13	28	35	56	72	99	125	122	128
Race not reported	1,128	1,171	1,120	1,115	1,135	1,156	1,136	1,134	1,125	1,134
Not Hispanic or Latino	28,854	29,884	30,403	32,669	35,840	37,844	39,075	39,555	39,627	41,153
American Indian or Alaska Native	239	272	272	299	311	314	302	300	296	284
Asian	2,526	2,653	2,816	3,088	3,480	3,758	3,994	4,109	4,200	4,407
Black or African American	2,801	3,046	3,222	3,561	4,076	4,488	4,788	4,960	5,120	5,442
Native Hawaiian or Other Pacific Islander	34	56	63	80	89	105	114	104	108	129
White	23,241	23,785	23,894	25,427	27,578	28,807	29,410	29,569	29,331	30,224
More than one race	13	72	136	214	306	372	467	513	572	667
Data not reported	23	29	14	37	34	50	33	11	7	10
Life scientists	24,829	24,956	24,890	25,314	26,169	26,068	25,394	24,646	23,968	23,748
Hispanic or Latino	1,137	1,156	1,170	1,193	1,307	1,314	1,339	1,327	1,312	1,331
American Indian or Alaska Native	0	4	3	5	12	16	13	16	16	16
Asian	1	1	2	3	4	6	6	3	3	3
Black or African American	0	0	1	5	6	7	7	6	6	10
Native Hawaiian or Other Pacific Islander	0	1	2	2	2	2	3	3	3	3
White	19	70	82	102	323	345	375	384	396	430
More than one race	2	9	10	13	43	51	48	51	56	60
Race not reported	1,115	1,071	1,070	1,063	917	887	887	864	832	809
Not Hispanic or Latino	23,656	23,749	23,685	24,059	24,831	24,726	24,027	23,295	22,647	22,409
American Indian or Alaska Native	398	399	393	382	376	371	348	329	328	304
Asian	1,466	1,513	1,598	1,688	1,882	1,940	1,930	1,919	1,926	1,970
Black or African American	848	857	854	861	897	893	863	865	853	824
Native Hawaiian or Other Pacific Islander	16	20	21	24	29	35	35	29	35	35
White	20,924	20,926	20,771	21,032	21,489	21,307	20,646	19,940	19,280	19,039
More than one race	4	34	48	72	158	180	205	213	225	237
Data not reported	36	51	35	62	31	28	28	24	9	8
Physical scientists	18,125	17,869	17,766	18,034	18,421	18,283	17,938	17,475	16,937	16,782
Hispanic or Latino	477	482	476	493	517	525	526	531	529	534
American Indian or Alaska Native	0	2	3	4	5	9	10	10	8	9
Asian	1	0	1	1	3	4	4	4	4	4
Black or African American	0	3	3	3	5	5	6	6	6	7
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	1	1	1	1
White	4	21	35	56	76	91	105	117	131	146
More than one race	0	6	7	11	11	11	18	19	14	15
Race not reported	472	450	427	418	417	404	382	374	365	352
Not Hispanic or Latino	17,624	17,353	17,263	17,506	17,883	17,731	17,388	16,930	16,403	16,245
American Indian or Alaska Native	90	86	84	87	87	90	88	85	87	82
Asian	1,166	1,151	1,186	1,243	1,291	1,291	1,292	1,282	1,279	1,282
Black or African American	486	502	497	507	511	514	513	500	492	483
Native Hawaiian or Other Pacific Islander	11	14	13	17	17	17	19	18	21	24
White	15,869	15,585	15,456	15,609	15,921	15,748	15,397	14,964	14,430	14,266
More than one race	2	15	27	43	56	71	79	81	94	108
Data not reported	24	34	27	35	21	27	24	14	5	3

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Social scientists	14,708	15,018	15,361	16,067	17,320	18,130	18,554	18,913	18,857	18,126
Hispanic or Latino	621	656	659	705	757	844	898	976	967	966
American Indian or Alaska Native	1	1	2	4	5	6	9	11	15	18
Asian	1	1	2	2	2	4	4	7	8	8
Black or African American	0	3	5	6	11	11	16	16	18	20
Native Hawaiian or Other Pacific Islander	1	0	0	0	0	0	1	2	2	2
White	13	34	67	124	151	206	253	303	316	338
More than one race	0	2	4	7	11	23	26	32	35	42
Race not reported	605	615	579	562	577	594	589	605	573	538
Not Hispanic or Latino	14,076	14,348	14,687	15,301	16,518	17,263	17,639	17,930	17,884	17,145
American Indian or Alaska Native	129	127	133	142	141	149	154	149	150	140
Asian	427	453	475	476	533	596	643	666	677	663
Black or African American	1,040	1,089	1,139	1,191	1,282	1,340	1,404	1,477	1,469	1,501
Native Hawaiian or Other Pacific Islander	7	10	17	16	19	19	20	21	24	29
White	12,465	12,647	12,879	13,409	14,433	15,030	15,257	15,425	15,353	14,588
More than one race	8	22	44	67	110	129	161	192	211	224
Data not reported	11	14	15	61	45	23	17	7	6	15
Engineers	74,949	75,107	75,940	80,104	84,173	85,067	84,101	82,792	81,684	82,815
Hispanic or Latino	3,529	3,587	3,731	3,931	4,176	4,307	4,408	4,442	4,477	4,669
American Indian or Alaska Native	1	9	22	29	41	46	57	58	58	63
Asian	1	5	8	18	19	24	30	38	39	44
Black or African American	1	2	15	18	22	25	27	37	41	50
Native Hawaiian or Other Pacific Islander	1	1	2	6	9	10	12	12	12	11
White	50	234	425	574	763	909	1,112	1,212	1,307	1,500
More than one race	9	30	51	77	97	107	139	149	155	177
Race not reported	3,466	3,306	3,208	3,209	3,225	3,186	3,031	2,936	2,865	2,824
Not Hispanic or Latino	71,392	71,468	72,177	76,117	79,962	80,707	79,646	78,340	77,203	78,135
American Indian or Alaska Native	509	498	514	527	547	539	518	499	480	486
Asian	8,171	8,226	8,365	8,800	9,166	9,272	9,150	8,974	8,887	9,049
Black or African American	2,921	2,976	3,086	3,355	3,627	3,726	3,748	3,776	3,767	3,882
Native Hawaiian or Other Pacific Islander	108	129	145	173	189	189	200	190	208	221
White	59,641	59,490	59,823	62,885	65,921	66,376	65,324	64,130	63,025	63,545
More than one race	42	149	244	377	512	605	706	771	836	952
Data not reported	28	52	32	56	35	53	47	10	4	11
Aerospace engineers	7,093	7,202	7,426	7,613	7,811	7,824	7,708	7,631	7,589	7,747
Hispanic or Latino	315	334	348	346	360	365	376	381	382	397
American Indian or Alaska Native	0	1	2	1	3	3	4	4	3	3
Asian	0	0	0	0	1	2	3	3	2	3
Black or African American	0	0	1	1	1	1	2	3	3	2
Native Hawaiian or Other Pacific Islander	0	0	1	2	1	0	0	0	0	0
White	4	39	60	70	86	90	116	125	130	148
More than one race	1	4	5	6	6	8	10	11	14	15
Race not reported	310	290	279	266	262	261	241	235	230	226
Not Hispanic or Latino	6,778	6,867	7,077	7,266	7,450	7,458	7,330	7,250	7,207	7,350
American Indian or Alaska Native	31	29	34	36	32	32	30	31	30	30
Asian	526	544	559	578	590	600	601	602	589	608
Black or African American	253	259	277	272	283	284	277	272	276	286
Native Hawaiian or Other Pacific Islander	2	3	3	4	4	5	9	8	8	9
White	5,964	6,015	6,174	6,341	6,503	6,494	6,367	6,284	6,245	6,343
More than one race	2	17	30	35	38	43	46	53	59	74
Data not reported	0	1	1	1	1	1	2	0	0	0

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Chemical engineers	787	784	794	809	816	802	770	739	751	783
Hispanic or Latino	35	34	34	32	35	33	34	34	32	32
American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	0
Asian	0	0	0	0	0	0	0	0	1	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	0	1	2	2	5	5	5	6	5	7
More than one race	0	0	0	0	0	1	1	1	1	3
Race not reported	35	33	32	30	30	27	28	27	25	22
Not Hispanic or Latino	752	750	760	777	778	767	734	703	719	751
American Indian or Alaska Native	0	0	0	0	0	2	3	2	1	3
Asian	92	91	91	95	99	105	98	99	98	107
Black or African American	27	27	28	27	29	29	26	28	28	27
Native Hawaiian or Other Pacific Islander	0	0	0	1	2	1	1	1	1	1
White	633	631	639	652	645	627	602	568	586	607
More than one race	0	1	2	2	3	3	4	5	5	6
Data not reported	0	0	0	0	3	2	2	2	0	0
Civil engineers	8,484	8,412	8,360	9,202	9,725	9,833	9,510	9,102	8,639	8,467
Hispanic or Latino	413	414	440	482	524	553	548	531	528	524
American Indian or Alaska Native	0	2	6	5	8	10	10	9	11	11
Asian	0	0	0	3	2	3	3	3	3	3
Black or African American	0	0	4	5	3	4	4	7	7	5
Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	1	1	2	1
White	14	30	58	68	96	122	122	125	144	162
More than one race	2	2	5	15	17	18	23	18	22	24
Race not reported	397	380	367	386	398	395	385	368	339	318
Not Hispanic or Latino	8,069	7,996	7,919	8,714	9,198	9,276	8,959	8,570	8,110	7,939
American Indian or Alaska Native	108	115	115	122	121	115	113	111	114	110
Asian	730	716	714	763	799	806	763	713	695	675
Black or African American	257	259	261	302	323	331	320	319	313	307
Native Hawaiian or Other Pacific Islander	10	17	22	24	24	28	28	26	25	31
White	6,959	6,873	6,783	7,461	7,857	7,906	7,646	7,309	6,868	6,721
More than one race	5	16	24	42	74	90	89	92	95	95
Data not reported	2	2	1	6	3	4	3	1	1	4
Electrical, electronics, and computer engineers	23,704	23,598	23,612	24,305	25,278	25,219	25,010	24,576	24,239	24,554
Hispanic or Latino	1,264	1,260	1,291	1,339	1,416	1,457	1,512	1,536	1,532	1,623
American Indian or Alaska Native	0	2	7	12	16	17	25	25	21	20
Asian	0	3	4	7	9	11	14	18	15	20
Black or African American	0	1	4	5	8	8	7	10	14	20
Native Hawaiian or Other Pacific Islander	0	0	0	1	4	4	7	6	5	4
White	7	61	108	144	201	242	332	383	409	484
More than one race	2	10	14	21	33	35	51	52	51	58
Race not reported	1,255	1,183	1,154	1,149	1,145	1,140	1,076	1,042	1,017	1,017
Not Hispanic or Latino	22,431	22,307	22,315	22,956	23,854	23,744	23,477	23,040	22,707	22,930
American Indian or Alaska Native	135	124	133	139	144	137	131	121	121	124
Asian	3,511	3,555	3,626	3,792	3,926	3,961	3,952	3,902	3,844	3,900
Black or African American	1,117	1,132	1,178	1,254	1,374	1,410	1,432	1,427	1,415	1,451
Native Hawaiian or Other Pacific Islander	48	57	63	78	74	72	69	69	68	71
White	17,604	17,396	17,242	17,578	18,174	17,981	17,683	17,287	17,004	17,108
More than one race	16	43	73	115	162	183	210	234	255	276
Data not reported	9	31	6	10	8	18	21	0	0	1

TABLE 9-34. Occupations of scientists and engineers employed by the federal government, by ethnicity, race, and sex: 2006–15

Occupation, ethnicity, race, and sex	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Industrial engineers	1,333	1,325	1,272	1,358	1,512	1,522	1,473	1,472	1,441	1,453
Hispanic or Latino	60	63	67	74	78	82	82	77	81	87
American Indian or Alaska Native	0	0	0	0	0	0	0	0	1	1
Asian	1	1	1	1	1	1	1	2	2	2
Black or African American	1	1	1	0	0	0	0	0	0	0
Native Hawaiian or Other Pacific Islander	2	6	10	17	14	19	25	24	25	30
White	0	0	0	0	0	0	0	0	0	0
More than one race	0	0	0	0	0	0	0	0	0	0
Race not reported	56	55	55	56	63	62	56	51	53	54
Not Hispanic or Latino	1,273	1,261	1,203	1,282	1,433	1,439	1,390	1,395	1,360	1,366
American Indian or Alaska Native	10	8	10	9	8	10	8	9	6	8
Asian	112	106	101	99	110	115	119	126	126	123
Black or African American	63	65	72	75	82	76	70	78	79	95
Native Hawaiian or Other Pacific Islander	0	2	1	2	1	1	1	2	3	4
White	1,087	1,076	1,012	1,088	1,222	1,222	1,173	1,163	1,128	1,112
More than one race	1	4	7	9	10	15	19	17	18	24
Data not reported	0	1	2	2	1	1	1	0	0	0
Mechanical engineers	8,869	8,972	9,112	9,902	10,553	10,586	10,522	10,345	10,248	10,672
Hispanic or Latino	319	322	342	367	392	389	407	423	430	480
American Indian or Alaska Native	0	1	3	6	5	5	6	6	7	8
Asian	0	0	0	2	1	1	1	1	3	4
Black or African American	0	0	2	2	3	3	5	8	9	10
Native Hawaiian or Other Pacific Islander	0	0	0	1	2	2	1	1	1	2
White	6	21	31	48	70	81	113	128	143	179
More than one race	1	3	5	4	7	8	13	15	13	16
Race not reported	312	297	301	304	304	289	268	264	254	261
Not Hispanic or Latino	8,548	8,648	8,768	9,529	10,158	10,193	10,109	9,922	9,818	10,192
American Indian or Alaska Native	37	41	38	34	41	44	39	36	33	30
Asian	884	884	905	974	1,026	1,027	984	959	970	1,025
Black or African American	261	268	269	298	328	326	331	323	317	329
Native Hawaiian or Other Pacific Islander	7	6	9	13	20	15	23	22	25	26
White	7,351	7,431	7,519	8,161	8,678	8,708	8,643	8,477	8,358	8,648
More than one race	8	18	28	49	65	73	89	105	115	134
Data not reported	2	2	2	6	3	4	6	0	0	0
Other engineers	24,679	24,814	25,364	26,915	28,478	29,281	29,108	28,927	28,777	29,139
Hispanic or Latino	1,123	1,160	1,209	1,291	1,371	1,428	1,449	1,460	1,492	1,526
American Indian or Alaska Native	1	3	4	5	9	11	12	14	15	20
Asian	0	1	3	5	5	6	8	11	13	12
Black or African American	0	0	3	5	7	9	9	9	8	13
Native Hawaiian or Other Pacific Islander	1	1	1	2	2	3	3	4	4	4
White	17	76	156	225	291	350	399	421	451	490
More than one race	3	11	22	31	34	37	41	52	54	61
Race not reported	1,101	1,068	1,020	1,018	1,023	1,012	977	949	947	926
Not Hispanic or Latino	23,541	23,639	24,135	25,593	27,091	27,830	27,647	27,460	27,282	27,607
American Indian or Alaska Native	188	181	184	187	201	199	194	189	175	181
Asian	2,316	2,330	2,369	2,499	2,616	2,658	2,633	2,573	2,565	2,611
Black or African American	943	966	1,001	1,127	1,208	1,270	1,292	1,329	1,339	1,387
Native Hawaiian or Other Pacific Islander	41	44	47	51	64	67	69	62	78	79
White	20,043	20,068	20,454	21,604	22,842	23,438	23,210	23,042	22,836	23,006
More than one race	10	50	80	125	160	198	249	265	289	343
Data not reported	15	15	20	31	16	23	12	7	3	6

NOTES: Total may include doctorate recipients 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 for 2006–09 differ from previous published tables because they include, for the first time, data from the Department of Homeland Security. Data for 2015 exclude the Department of State. A total of 2,770 scientists and engineers were employed by the Department of State in 2014, of whom 80% were white.

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