

State Indicators

S-47 Science, Engineering, and Health Doctorates Conferred per 1,000 Employed Science, Engineering, and Health Doctorate Holders

Description

This indicator represents the rate at which the states are training new science, engineering, and health (SEH) doctorate recipients for entry into the workforce. High values indicate relatively large production of new doctorate holders compared with the existing stock of employed doctorate holders. States with relatively low values may need to attract SEH doctorate holders from elsewhere to meet the needs of local employers.

Data on doctorates conferred and employed doctorate holders include those with doctoral degrees in computer and mathematical sciences; the biological, agricultural, or environmental life sciences; physical sciences; social sciences; psychology; and engineering; and health fields. Both sets of data exclude individuals with doctorates from foreign institutions as well as those older than 75. Data for doctorates conferred are presented by the location where the doctorate was earned; employment data for doctorate holders are presented by employment location regardless of residence. Estimates for states with smaller populations of employed doctorate holders are generally less precise than estimates for states with larger populations.

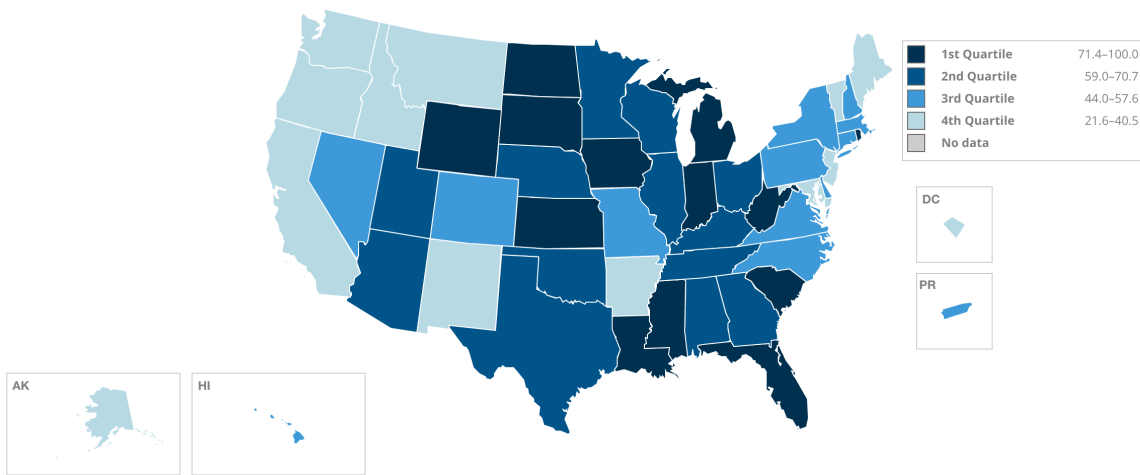
The indicator does not take into account any post-graduation mobility of recent SEH doctorate recipients to their place of employment. Doctorate recipients with temporary visas may decide to return home after graduation to begin their careers. The indicator also does not cover individuals with non-U.S. SEH doctorates who are working in the United States.

Data sources: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates; National Science Foundation, National Center for Science and Engineering Statistics, Survey of Doctorate Recipients.

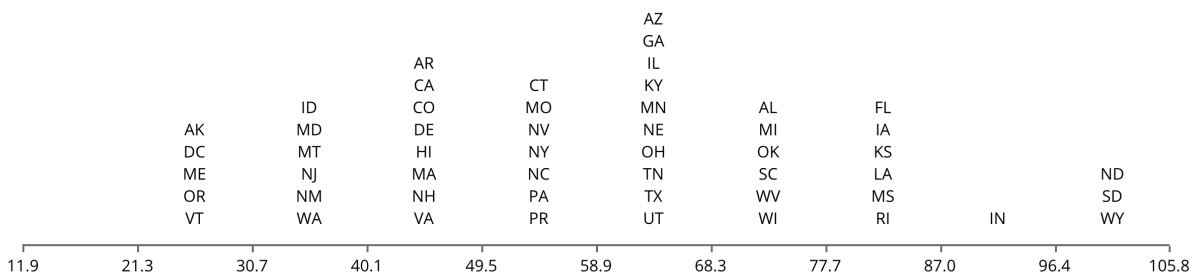
State Indicators

S-47 Science, Engineering, and Health Doctorates Conferred per 1,000 Employed Science, Engineering, and Health Doctorate Holders

2015



Distribution of states across indicator values, 2015



Histograms do not display states with extreme values. Please consult the data tables for exact indicator values for each state. State positions on the histogram are based on unrounded values of the indicator and may not always match the rounded values displayed in the table.

State Indicators

Science, Engineering, and Health Doctorates Conferred per 1,000 Employed Science, Engineering, and Health Doctorate Holders

(Degrees)

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
United States	55.0	49.1	46.8	45.1	50.9	53.4	50.7	54.4	52.5
Alabama	54.8	55.5	61.7	62.5	63.9	69.3	61.7	70.8	70.2
Alaska	18.0	19.2	21.7	31.6	18.9	21.7	30.0	32.1	24.2
Arizona	77.4	70.6	58.4	61.7	62.3	65.6	66.9	62.1	67.8
Arkansas	30.2	22.2	27.0	34.1	41.2	52.1	48.3	60.7	40.5
California	50.6	44.2	42.5	40.7	47.2	47.9	44.3	46.7	40.2
Colorado	55.0	51.1	44.0	46.1	38.6	44.4	38.8	45.2	47.2
Connecticut	46.5	38.7	40.6	41.4	44.6	48.5	45.5	50.0	49.6
Delaware	35.0	32.4	35.9	34.7	48.2	40.0	54.7	47.1	48.1
District of Columbia	28.0	22.5	21.1	23.9	25.4	25.3	21.5	23.4	21.6
Florida	65.9	63.8	53.6	55.1	64.8	73.9	72.8	71.7	77.9
Georgia	58.7	56.7	53.9	52.4	63.9	70.1	60.9	62.7	66.1
Hawaii	52.5	51.2	42.6	31.9	35.4	43.8	45.3	47.6	47.5
Idaho	29.6	22.0	24.2	29.4	23.9	30.7	22.9	31.4	33.6
Illinois	67.8	61.5	62.7	58.9	64.0	66.1	63.9	72.7	63.8
Indiana	95.5	79.3	72.5	70.2	81.0	84.6	84.2	91.1	93.3
Iowa	105.8	92.4	91.3	70.0	88.3	95.4	89.1	98.2	78.9
Kansas	78.5	74.4	71.8	69.7	67.5	66.0	73.3	80.7	82.0
Kentucky	54.3	42.4	39.9	41.7	55.4	63.1	55.9	56.9	62.6
Louisiana	67.5	64.0	69.2	59.2	64.8	73.7	83.6	95.4	78.6
Maine	19.1	12.6	15.6	17.5	11.9	19.1	16.7	16.2	23.5
Maryland	37.3	35.2	34.1	29.4	37.3	37.1	34.0	34.5	34.8
Massachusetts	67.3	57.4	52.9	47.8	55.8	57.5	52.0	54.8	47.9

State Indicators

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
Michigan	68.2	61.1	55.2	59.0	62.8	71.0	68.6	72.5	71.4
Minnesota	53.6	41.8	44.3	42.7	49.7	46.3	50.5	64.5	62.2
Mississippi	51.7	54.5	44.8	50.0	58.0	54.5	70.9	73.2	81.5
Missouri	52.3	43.5	50.0	51.2	58.3	59.6	50.6	55.7	56.6
Montana	34.9	38.7	29.2	29.3	33.2	36.2	31.3	32.6	40.0
Nebraska	64.1	68.7	58.8	68.8	52.9	67.1	66.8	89.3	66.3
Nevada	30.2	31.4	26.6	36.2	38.2	35.7	45.0	55.8	51.3
New Hampshire	42.6	34.3	32.0	40.5	42.1	43.8	44.7	50.3	48.1
New Jersey	30.6	25.6	27.5	28.0	32.4	33.4	30.7	33.4	38.4
New Mexico	22.1	22.5	19.9	20.3	23.4	22.6	25.8	28.8	31.4
New York	60.3	53.6	50.1	49.2	56.6	57.9	53.3	55.6	51.8
North Carolina	56.5	52.2	45.9	44.6	51.2	52.6	56.9	60.5	57.6
North Dakota	38.5	39.2	39.8	58.4	39.9	74.6	56.0	64.0	98.5
Ohio	69.0	50.5	56.5	50.8	62.0	66.8	62.2	60.0	59.1
Oklahoma	53.3	50.1	54.6	43.1	50.9	51.8	63.1	70.0	69.6
Oregon	50.7	44.8	38.6	34.5	40.5	34.0	36.5	37.4	26.8
Pennsylvania	59.9	53.2	50.9	46.2	53.7	56.3	53.8	57.8	56.5
Rhode Island	67.3	67.3	63.3	46.7	74.8	73.2	76.7	78.7	79.0
South Carolina	52.5	57.4	48.7	41.5	46.4	51.6	46.4	55.8	75.1
South Dakota	34.9	31.0	34.0	32.4	35.2	27.7	39.2	71.0	97.1
Tennessee	49.6	46.9	44.5	42.5	44.5	51.7	43.8	47.0	59.0
Texas	61.1	56.1	53.2	49.7	57.3	58.7	55.0	61.3	60.9
Utah	61.7	61.1	53.9	59.4	46.0	60.2	57.8	62.2	67.6
Vermont	20.0	19.4	29.7	16.4	29.0	28.3	31.7	38.9	27.1
Virginia	45.7	39.7	37.8	35.3	39.0	38.9	39.5	48.4	44.0
Washington	38.4	37.3	33.7	31.0	34.9	35.2	34.3	36.8	34.5

State Indicators

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
West Virginia	41.4	37.6	35.4	53.5	62.5	68.5	60.9	58.3	71.6
Wisconsin	83.5	73.3	63.3	67.9	62.7	72.6	65.0	62.9	70.7
Wyoming	76.7	73.3	45.2	66.2	53.4	71.4	55.0	50.0	100.0
Puerto Rico	86.4	71.2	65.2	46.2	50.3	72.5	23.9	47.6	49.7

Note(s):

SEH doctorates conferred are classified by the location where the doctorate was earned. The national doctorate total for the United States includes U.S. territories. Employed SEH doctorate holders are classified by employment location.

Source(s):

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates (various years), data as of December 2018; National Science Foundation, National Center for Science and Engineering Statistics, Survey of Doctorate Recipients (various years), data as of August 2017.

Recommended Citation: National Science Board. 2018. "Science, Engineering, and Health Doctorates Conferred per 1,000 Employed Science, Engineering, and Health Doctorate Holders." Science and Engineering Indicators 2018, State Indicators. Alexandria, VA: National Science Foundation (NSB-2018-1). <https://www.nsf.gov/statistics/state-indicators/indicator/seh-doctorates-conferred-per-1000-employed-seh-doctorate-holders>

Last updated: March 4, 2019

Science and Engineering Indicators 2018

State Indicators

SEH doctorates conferred

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
United States	23,689	24,894	25,616	26,449	27,304	27,663	28,405	28,486	28,592	27,147
Alabama	216	236	255	264	296	281	342	362	383	319
Alaska	8	10	13	10	24	19	28	20	32	23
Arizona	346	450	399	421	477	465	470	486	492	459
Arkansas	73	59	56	61	83	74	69	70	83	60
California	3,114	3,336	3,343	3,556	3,635	3,741	3,490	3,569	3,490	3,408
Colorado	456	485	484	518	529	542	572	591	544	575
Connecticut	374	390	377	410	430	426	406	408	451	379
Delaware	97	101	126	123	97	100	136	130	112	120
District of Columbia	311	270	277	337	301	288	310	330	304	311
Florida	595	592	627	638	707	704	788	878	1,027	935
Georgia	407	466	517	483	468	518	616	580	645	626
Hawaii	102	118	120	133	136	130	139	134	135	128
Idaho	61	44	56	47	66	57	57	60	54	45
Illinois	1,359	1,420	1,472	1,448	1,420	1,486	1,543	1,442	1,540	1,371
Indiana	653	640	691	716	716	717	770	723	721	698
Iowa	379	425	433	455	449	465	485	436	463	402
Kansas	231	226	298	246	260	273	295	296	300	264
Kentucky	141	151	186	173	198	200	208	223	207	176
Louisiana	262	281	272	269	281	331	319	362	355	349
Maine	27	28	36	30	39	28	36	41	34	27
Maryland	592	615	678	713	678	678	764	783	764	787
Massachusetts	1,391	1,461	1,517	1,541	1,580	1,504	1,628	1,570	1,608	1,563
Michigan	861	921	1,021	987	1,022	1,067	1,109	1,026	1,091	1,015

State Indicators

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Minnesota	455	550	509	484	560	531	558	526	517	477
Mississippi	132	147	149	128	143	179	157	155	163	169
Missouri	404	392	449	388	447	414	458	496	496	409
Montana	47	43	43	46	40	47	48	59	68	58
Nebraska	133	105	125	135	152	146	177	193	198	182
Nevada	26	31	32	24	34	54	47	49	69	58
New Hampshire	66	66	63	99	98	87	83	95	97	79
New Jersey	505	495	571	551	592	629	660	626	555	556
New Mexico	158	158	156	177	171	181	201	165	207	172
New York	2,428	2,433	2,442	2,589	2,616	2,524	2,606	2,417	2,454	2,288
North Carolina	656	642	660	704	695	735	762	776	793	820
North Dakota	55	43	55	54	52	54	54	52	60	49
Ohio	933	1,006	1,029	1,040	1,148	1,118	1,156	1,291	1,202	1,021
Oklahoma	246	202	223	217	230	232	255	244	229	208
Oregon	264	260	297	320	333	324	318	315	307	298
Pennsylvania	1,148	1,264	1,319	1,351	1,359	1,416	1,372	1,434	1,419	1,348
Rhode Island	156	212	191	215	200	190	192	165	185	175
South Carolina	186	217	219	240	238	221	275	251	236	270
South Dakota	21	26	21	20	29	17	25	37	24	31
Tennessee	288	324	352	349	349	350	365	423	356	380
Texas	1,425	1,481	1,481	1,591	1,705	1,814	1,817	1,745	1,774	1,754
Utah	255	256	279	283	255	287	315	296	276	278
Vermont	47	41	30	47	50	44	47	35	48	34
Virginia	501	553	553	665	616	677	647	697	637	659
Washington	424	483	405	443	477	497	482	513	481	494
West Virginia	63	65	70	67	67	80	68	82	109	77



State Indicators

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Wisconsin	550	605	570	584	673	637	594	706	675	619
Wyoming	44	50	39	38	51	50	53	66	54	55
Puerto Rico	17	19	30	21	32	34	33	57	68	89

Science and Engineering Indicators 2018

State Indicators

SEH doctorates conferred

State	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
United States	27,378	26,896	26,088	26,713	27,794	29,578	31,584	33,758	34,718	35,313
Alabama	342	329	344	358	324	377	377	383	416	445
Alaska	19	26	19	36	18	24	21	29	26	33
Arizona	459	413	421	463	495	492	524	584	577	664
Arkansas	73	69	80	95	98	125	117	105	125	145
California	3,398	3,435	3,290	3,520	3,613	3,717	4,126	4,457	4,587	4,562
Colorado	526	518	482	563	489	553	507	622	582	611
Connecticut	426	385	365	405	423	443	461	526	514	475
Delaware	120	127	102	104	143	129	150	150	132	169
District of Columbia	353	299	291	330	303	342	339	334	332	376
Florida	850	844	834	881	1,059	1,037	1,142	1,318	1,375	1,328
Georgia	606	646	674	640	682	777	829	923	946	1,011
Hawaii	119	110	77	97	101	101	101	105	140	127
Idaho	61	54	52	72	59	58	68	80	86	72
Illinois	1,413	1,386	1,269	1,319	1,253	1,396	1,544	1,593	1,600	1,624
Indiana	744	695	610	673	653	715	799	842	871	941
Iowa	385	401	396	326	362	388	432	470	496	481
Kansas	268	285	287	283	273	261	287	295	284	295
Kentucky	225	183	201	197	226	261	275	298	303	279
Louisiana	392	366	323	321	355	379	355	400	383	368
Maine	41	31	31	37	31	25	28	39	44	45
Maryland	750	775	764	744	789	882	977	983	1,042	971
Massachusetts	1,522	1,538	1,545	1,446	1,564	1,693	1,809	2,004	2,012	2,036
Michigan	1,062	959	1,020	1,010	1,076	1,139	1,125	1,249	1,186	1,304

State Indicators

State	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Minnesota	518	505	451	474	481	565	586	648	583	608
Mississippi	170	142	141	156	175	182	192	204	180	192
Missouri	468	464	446	465	460	503	542	524	596	553
Montana	42	42	57	51	60	60	66	67	76	84
Nebraska	181	170	161	194	161	181	157	191	188	190
Nevada	81	54	64	75	77	91	100	81	100	144
New Hampshire	73	79	84	107	96	124	104	127	127	134
New Jersey	608	625	534	587	627	627	675	694	712	748
New Mexico	156	154	181	165	196	179	194	195	176	208
New York	2,308	2,202	2,227	2,210	2,406	2,498	2,597	2,658	2,836	2,726
North Carolina	781	770	761	776	849	925	968	1,010	1,057	1,096
North Dakota	42	43	46	66	46	47	55	82	97	80
Ohio	1,150	1,134	1,064	1,060	1,077	1,111	1,273	1,217	1,389	1,329
Oklahoma	244	238	208	200	227	241	225	269	233	291
Oregon	277	272	249	270	290	278	335	330	296	347
Pennsylvania	1,347	1,330	1,312	1,286	1,382	1,488	1,563	1,599	1,690	1,770
Rhode Island	172	167	168	148	171	179	226	201	205	202
South Carolina	252	250	277	216	251	272	274	322	325	326
South Dakota	30	34	36	33	39	38	37	42	36	51
Tennessee	399	400	384	376	399	409	444	489	522	553
Texas	1,672	1,728	1,587	1,655	1,707	1,900	2,064	2,252	2,344	2,345
Utah	285	260	283	252	257	303	254	324	337	369
Vermont	39	52	49	29	34	37	49	45	51	43
Virginia	673	660	635	666	683	719	774	794	829	893
Washington	441	498	492	478	527	540	590	652	623	629
West Virginia	95	67	85	106	115	115	125	110	137	109



State Indicators

State	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Wisconsin	582	552	534	570	531	565	598	686	719	737
Wyoming	54	38	35	43	31	36	39	58	50	55
Puerto Rico	84	92	60	79	50	51	85	98	145	139

Science and Engineering Indicators 2018

State Indicators

SEH doctorates conferred

State	2010	2011	2012	2013	2014	2015	2016	2017
United States	34,998	36,332	37,846	39,032	40,635	41,189	41,280	41,438
Alabama	407	418	483	467	491	516	513	515
Alaska	42	38	48	45	44	40	46	50
Arizona	602	593	620	615	645	688	645	591
Arkansas	140	145	148	170	161	174	189	154
California	4,528	4,654	4,811	4,980	4,997	4,834	4,949	4,919
Colorado	574	595	633	687	756	791	822	768
Connecticut	514	494	527	540	567	580	567	586
Delaware	164	189	189	160	174	202	258	216
District of Columbia	320	362	368	349	386	371	398	401
Florida	1,499	1,572	1,548	1,591	1,684	1,730	1,698	1,722
Georgia	926	939	996	991	1,132	1,121	1,092	1,161
Hawaii	136	154	134	162	130	164	143	149
Idaho	64	64	64	91	103	84	81	82
Illinois	1,617	1,641	1,713	1,811	1,760	1,789	1,739	1,818
Indiana	918	948	919	1,039	1,087	1,138	1,087	1,173
Iowa	499	527	564	550	552	505	522	535
Kansas	293	339	336	363	355	418	380	400
Kentucky	285	275	351	307	356	335	326	318
Louisiana	443	365	470	496	456	448	478	437
Maine	40	43	54	42	62	61	53	47
Maryland	1,013	982	1,039	1,125	1,071	1,193	1,080	1,128
Massachusetts	1,917	1,983	2,129	2,152	2,216	2,190	2,353	2,326
Michigan	1,235	1,253	1,381	1,355	1,446	1,488	1,393	1,448

State Indicators

State	2010	2011	2012	2013	2014	2015	2016	2017
Minnesota	692	764	821	910	1,007	952	1,061	1,006
Mississippi	234	254	222	249	258	273	253	302
Missouri	541	564	606	618	647	685	665	745
Montana	75	80	65	75	86	96	99	85
Nebraska	207	222	203	259	260	275	311	292
Nevada	135	138	126	145	140	154	154	130
New Hampshire	134	130	127	146	160	154	155	136
New Jersey	706	784	727	768	818	852	793	827
New Mexico	206	191	215	236	232	250	223	227
New York	2,711	2,878	2,899	2,982	3,124	3,010	3,042	2,974
North Carolina	1,173	1,127	1,213	1,313	1,325	1,357	1,408	1,457
North Dakota	84	84	108	96	123	133	139	126
Ohio	1,349	1,333	1,310	1,325	1,427	1,436	1,514	1,506
Oklahoma	309	268	315	329	354	348	360	351
Oregon	332	345	375	374	343	377	365	481
Pennsylvania	1,685	1,876	1,809	1,849	1,884	1,994	2,047	1,944
Rhode Island	230	223	245	236	265	237	242	248
South Carolina	297	331	385	357	416	458	412	397
South Dakota	51	59	66	71	93	102	98	99
Tennessee	504	539	573	574	617	649	643	747
Texas	2,330	2,334	2,655	2,679	2,925	3,010	2,922	3,058
Utah	341	408	398	404	403	460	429	400
Vermont	57	39	57	70	62	65	66	49
Virginia	868	1,016	1,070	1,117	1,123	1,068	1,084	1,081
Washington	649	682	629	750	739	746	743	721
West Virginia	134	141	142	134	134	154	177	143



State Indicators

State	2010	2011	2012	2013	2014	2015	2016	2017
Wisconsin	689	698	738	704	815	810	814	821
Wyoming	44	49	54	55	89	70	63	81
Puerto Rico	55	202	168	119	135	154	186	60

Science and Engineering Indicators 2018

State Indicators

Employed SEH doctorate holders

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
United States	517,780	552,950	574,300	592,840	620,700	649,800	690,800	718,100	783,850
Alabama	6,610	5,750	5,330	5,730	5,900	6,000	6,600	6,600	7,350
Alaska	1,110	1,200	1,200	1,140	1,110	1,200	1,400	1,400	1,650
Arizona	6,280	6,500	7,070	7,500	8,410	8,800	9,000	9,900	10,150
Arkansas	2,320	2,700	2,560	2,790	2,840	2,400	2,900	2,800	4,300
California	70,490	77,100	80,870	86,550	87,370	95,700	102,300	106,600	120,200
Colorado	10,740	11,250	11,780	12,220	13,150	13,100	14,800	15,200	16,750
Connecticut	8,770	9,800	9,490	9,780	10,330	10,600	11,300	10,800	11,700
Delaware	3,710	3,700	3,540	3,000	3,110	3,300	3,000	3,400	4,200
District of Columbia	11,800	13,850	14,200	13,800	13,330	13,100	14,900	14,900	17,200
Florida	13,330	14,650	15,740	16,000	17,630	18,600	20,600	22,200	22,200
Georgia	9,880	11,050	11,990	12,220	12,970	13,500	15,200	15,800	16,950
Hawaii	2,550	2,500	2,580	3,040	2,850	3,200	3,000	3,400	3,450
Idaho	2,030	2,050	2,230	2,450	2,840	2,800	2,800	2,900	2,500
Illinois	21,260	22,300	22,110	22,400	24,110	24,200	25,300	24,900	28,050
Indiana	7,570	8,800	9,580	9,590	9,870	10,300	10,900	11,400	12,200
Iowa	4,120	4,350	4,390	4,660	4,890	5,200	5,600	5,600	6,400
Kansas	3,770	3,550	3,970	4,060	4,250	4,300	4,000	4,500	5,100
Kentucky	4,110	4,150	4,590	4,720	4,960	4,800	5,100	5,400	5,350
Louisiana	5,360	5,450	5,290	5,420	5,480	5,200	5,300	5,200	5,700
Maine	2,150	2,150	1,990	2,110	2,350	2,300	2,400	2,600	2,600
Maryland	21,020	22,350	22,730	25,280	26,160	28,100	29,800	32,600	34,250
Massachusetts	23,330	27,250	29,100	30,220	32,400	35,000	36,900	39,300	45,750
Michigan	15,050	16,600	17,380	17,130	17,900	16,700	18,000	18,700	20,850

State Indicators

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
Minnesota	9,810	11,400	11,410	11,110	11,800	12,600	13,700	14,100	15,300
Mississippi	3,000	3,100	3,170	3,120	3,310	3,300	3,300	3,400	3,350
Missouri	9,490	9,400	9,280	9,080	9,300	10,000	10,700	11,100	12,100
Montana	1,690	1,500	1,440	1,740	1,990	2,100	2,400	2,300	2,400
Nebraska	3,010	2,650	2,890	2,820	2,970	2,800	3,100	2,900	4,150
Nevada	1,620	1,850	2,030	2,070	2,620	2,800	3,000	2,600	3,000
New Hampshire	2,230	2,300	2,470	2,640	2,470	2,900	3,000	2,900	3,200
New Jersey	20,440	21,700	22,740	20,980	20,810	21,300	23,000	23,000	22,200
New Mexico	7,480	7,650	7,750	8,120	8,300	7,800	8,000	8,200	7,950
New York	40,080	42,700	43,980	44,890	45,850	49,000	50,900	53,600	58,150
North Carolina	13,730	15,700	16,760	17,380	18,910	20,100	20,600	21,700	23,550
North Dakota	1,350	1,250	1,080	1,130	1,380	1,300	1,500	1,500	1,350
Ohio	18,700	20,200	20,070	20,870	20,540	20,800	21,700	22,100	24,300
Oklahoma	4,580	4,150	4,360	4,640	4,420	4,500	4,900	4,700	5,000
Oregon	6,210	6,650	7,040	7,830	8,270	8,700	9,100	10,000	14,050
Pennsylvania	23,940	25,350	26,140	27,820	29,120	30,000	31,300	32,000	35,300
Rhode Island	2,450	2,600	2,640	3,170	3,020	2,800	3,000	3,000	3,000
South Carolina	4,780	4,700	5,130	5,210	5,910	6,300	6,400	6,400	6,100
South Dakota	1,060	1,000	1,000	1,020	1,050	1,300	1,300	1,000	1,050
Tennessee	8,520	8,100	8,980	8,840	9,980	10,100	11,500	12,200	11,000
Texas	28,570	31,250	32,490	33,280	36,000	39,900	42,400	43,700	49,400
Utah	4,800	4,550	4,820	4,240	5,520	5,600	5,900	6,500	6,800
Vermont	1,750	1,750	1,750	1,770	1,690	1,800	1,800	1,800	2,400
Virginia	15,250	16,600	17,460	18,880	19,850	21,300	22,000	23,100	24,300
Washington	13,360	13,250	14,760	15,430	16,920	17,700	18,900	20,400	21,600
West Virginia	1,980	2,050	1,890	1,980	2,000	2,000	2,200	2,300	2,150



State Indicators

State	1997	1999	2001	2003	2006	2008	2010	2013	2015
Wisconsin	8,460	8,450	8,720	8,390	9,530	9,900	10,600	11,200	11,450
Wyoming	860	750	840	650	730	700	800	1,100	700
Puerto Rico	660	1,250	1,410	1,710	1,690	2,000	2,300	2,500	3,100

Science and Engineering Indicators 2018