

Science and Engineering Profile: Washington

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 ¹	14,540	542,940	14	Total R&D performance, 2000 (millions).....	\$10,516	\$244,855	8
Doctoral engineers, 2001 ¹	2,610	112,770	13	Industry R&D, 2000 (millions).....	\$9,265	\$187,544	7
S&E doctorates awarded, 2001 ¹	457	25,509	18	Academic R&D, 2001 (millions).....	\$707	\$32,716	14
of which, in life sciences.....	31%	26%		of which, in life sciences.....	68%	59%	
in social sciences.....	19%	16%		in environmental sciences.....	11%	6%	
in engineering.....	18%	22%		in engineering.....	9%	15%	
S&E postdoctorates, 2001 ¹				Public higher education current-fund			
in doctorate-granting institutions.....	1,099	42,899	11	expenditures, 2000 (millions).....	\$3,808	\$152,068	13
S&E graduate students, 2001 ¹				Number of SBIR awards, 1999-2001.....	326	13,650	11
in doctorate-granting institutions.....	6,308	452,411	26	Utility patents issued to state residents, 2001.....	1,969	87,605	12
Population, 2002 (thousands).....	6,069	292,228	15	Gross state product, 2000 (billions).....	\$220	\$10,003	14
Civilian labor force, 2002 (thousands).....	3,097	146,712	15	of which, agriculture.....	2%	1%	
Personal income per capita, 2001.....	\$32,025	\$30,472	14	manufacturing, mining, construction.....	17%	22%	
Federal spending				transportation, communication, utilities.....	9%	8%	
Total expenditures, 2001 (millions).....	\$36,903	\$1,753,011	16	wholesale and retail trade.....	17%	16%	
R&D obligations, 2001 (millions).....	\$1,545	\$78,006	17	finance, insurance, real estate.....	18%	19%	
				services.....	24%	22%	
				government.....	13%	12%	

¹Data on graduate students, doctoral scientists, doctoral engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health. Data on S&E doctorates awarded do not include health fields.

NOTES: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

Federal Obligations for Research and Development by Agency and Performer: Washington, Fiscal Year 2001

Agency	Performer							State rank, total
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	
	[In thousands of dollars]							
Total, all agencies.....	1,544,597	178,876	152,678	445,130	528,012	233,289	6,612	17
Department of Agriculture.....	44,821	28,073	0	0	16,599	149	0	15
Department of Commerce.....	44,911	34,918	0	5,775	3,264	15	939	5
Department of Defense.....	524,369	93,903	9,092	377,734	40,968	2,672	0	17
Department of Energy.....	169,954	32	138,585	5,890	22,874	2,573	0	9
Dept. of Health & Human Services.....	610,927	6,927	3,867	17,702	356,638	223,519	2,274	9
Department of the Interior.....	16,097	13,777	0	8	2,170	52	90	8
Department of Transportation.....	5,285	20	0	507	1,940	0	2,818	23
Environmental Protection Agency.....	5,242	344	0	295	2,790	1,322	491	21
National Aeronautics and Space Admin....	46,007	791	1,085	34,424	9,707	0	0	14
National Science Foundation.....	76,984	91	49	2,795	71,062	2,987	0	13
State rank, total.....	17	19	10	15	11	7	21	na

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable.

NOTES: Federal R&D obligations are as reported by funding agencies. Ranks and totals are based on data for the 50 States, District of Columbia, and Puerto Rico.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Statistics. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".