

District of Columbia

Science and Engineering Profile							
Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 1999 ¹	13,260	518,670	14	Total R&D performance, 1998 (millions)	\$2,606	\$214,668	20
Doctoral engineers, 1999 ¹	960	107,100	28	Industry R&D, 1998 (millions)	\$503	\$163,480	35
S&E doctorates awarded, 1999 ¹	302	25,953	26	Academic R&D, 1998 (millions)	\$228	\$25,342	30
of which, in social sciences	37%	16%		of which, in life sciences	65%	57%	
in psychology	18%	14%		in physical sciences	7%	9%	
in life sciences	18%	25%		in math & computer sciences	7%	4%	
S&E postdoctorates, 1998 ¹				Public higher education current-fund expenditures, 1997 (millions)	\$107	\$125,236	52
in doctorate-granting institutions	168	39,494	34	Number of SBIR awards, 1990-98	94	35,413	33
S&E graduate students, 1998 ¹				Patents issued to state residents, 1999	55	83,901	49
in doctorate-granting institutions	8,215	422,834	17	Gross state product, 1998 (billions)	\$54	\$8,800	37
Population, 1999 (thousands)	519	276,580	51	of which, agriculture	0%	1%	
Civilian labor force, 1999 (thousands)	282	140,536	51	manufacturing, mining, construction	3%	22%	
Personal income per capita, 1999	\$39,858	\$28,542	1	transportation, communication, utilities	5%	9%	
Federal spending				wholesale and retail trade	4%	16%	
Total expenditures, 1999 (millions)	\$27,034	\$1,508,933	18	finance, insurance, real estate	16%	19%	
R&D obligations, 1998 (millions)	\$2,229	\$70,445	10	services	35%	21%	
				government	37%	12%	

NOTE: 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.

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

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1998

Agency	Performer							
	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank, total
	[In thousands of dollars]							
Total, all agencies	2,229,086	1,717,704	4,505	202,014	151,507	150,383	2,973	10
Department of Agriculture	168,355	157,585	0	9,278	758	589	145	1
Department of Commerce	16,087	14,066	0	522	796	703	0	11
Department of Defense	1,094,165	893,830	4,435	133,936	57,020	4,944	0	10
Department of Energy	282,183	268,485	0	2,422	1,750	9,526	0	7
Dept. of Health & Human Services	179,298	54,131	0	17,076	71,810	36,081	200	18
Department of the Interior	2,351	2,030	0	134	32	155	0	47
Department of Transportation	145,327	101,069	70	31,529	4,179	8,057	423	1
Environmental Protection Agency	70,834	51,000	0	2,082	590	14,987	2,175	2
National Aeronautics and Space Admin.	196,235	169,136	0	3,749	7,177	16,143	30	8
National Science Foundation	74,251	6,372	0	1,286	7,395	59,198	0	8
State rank, total	10	2	20	20	26	6	30	na

NOTE: 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.

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

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