South Dakota

Science and Engineering Profile

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 1999[1]	1,070	518,670	51	Total R&D performance, 1999 (millions)	$60	$231,832	51
Doctoral engineers, 1999[1]	80	107,100	51	Industry R&D, 1999 (millions)	$13	$177,171	49
S&E doctorates awarded, 2000[1]	32	25,979	51	Academic R&D, 1999 (millions)	$26	$27,038	25
of which, in life sciences	38%	26%		of which, in life sciences	61%	57%	
in psychology	25%	14%		in environmental sciences	11%	6%	
in social sciences	19%	16%		in physical sciences	10%	9%	
S&E postdoctorates, 2000[1]				Public higher education current-fund			
in doctorate-granting institutions	10	41,548	51	expenditures, 1997 (millions)	$294	$125,236	51
S&E graduate students, 2000[1]				Number of SBIR awards, 1995-2000	37	26,424	45
in doctorate-granting institutions	1,124	435,612	48	Patents issued to state residents, 2000	86	85,068	46
Population, 2000 (thousands)	755	285,231	47	Gross state product, 1999 (billions)	$22	$9,369	48
Civilian labor force, 2000 (thousands)	401	142,172	47	of which, agriculture	7%	1%	
				manufacturing, mining, construction	19%	22%	
Personal income per capita, 2000	$25,993	$29,451	35	transportation, communication, utilities	8%	8%	
				wholesale and retail trade	18%	16%	
Federal spending				finance, insurance, real estate	18%	19%	
Total expenditures, 2000 (millions)	$5,138	$1,615,468	49	services	18%	21%	
R&D obligations, 1999 (millions)	$39	$73,718	51	government	13%	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.

[1]Data 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 1999

Agency	Total	Performer: Federal Intramural	Performer: All FFRDCs	Performer: Industrial firms	Performer: Universities & colleges	Performer: Other nonprofits	Performer: State & local government	State rank, total
	[In thousands of dollars]							
Total, all agencies	38,951	20,709	0	6,221	10,614	370	1,037	51
Department of Agriculture	7,265	3,899	0	0	3,366	0	0	45
Department of Commerce	608	108	0	0	500	0	0	41
Department of Defense	1,385	620	0	111	654	0	0	50
Department of Energy	50	0	0	0	50	0	0	52
Dept. of Health & Human Services	3,893	6	0	1,840	1,527	370	150	50
Department of the Interior	14,501	10,644	0	3,607	250	0	0	14
Department of Transportation	952	0	0	65	0	0	887	49
Environmental Protection Agency	432	0	0	0	432	0	0	45
National Aeronautics and Space Admin	6,561	5,432	0	0	1,129	0	0	36
National Science Foundation	3,304	0	0	598	2,706	0	0	51
State rank, total	51	45	na	46	52	50	51	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 Statistics. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".