

Science and Engineering Profile: South Dakota

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 ¹	1,160	542,940	50	Total R&D performance, 2000 (millions).....	\$85	\$244,855	50
Doctoral engineers, 2001 ¹	90	112,770	51	Industry R&D, 2000 (millions).....	\$44	\$187,544	47
S&E doctorates awarded, 2001 ¹	34	25,509	50	Academic R&D, 2001 (millions).....	\$32	\$32,716	52
of which, in life sciences.....	41%	26%		of which, in life sciences.....	61%	59%	
in psychology.....	24%	13%		in environmental sciences.....	12%	6%	
in social sciences.....	15%	16%		in engineering.....	12%	15%	
S&E postdoctorates, 2001 ¹				Public higher education current-fund			
in doctorate-granting institutions.....	9	42,899	50	expenditures, 2000 (millions).....	\$350	\$152,068	50
S&E graduate students, 2001 ¹				Number of SBIR awards, 1999-2001.....	16	13,650	50
in doctorate-granting institutions.....	1,153	452,411	48	Utility patents issued to state residents, 2001.....	76	87,605	48
Population, 2002 (thousands).....	761	292,228	47	Gross state product, 2000 (billions).....	\$23	\$10,003	48
Civilian labor force, 2002 (thousands).....	421	146,712	47	of which, agriculture.....	8%	1%	
Personal income per capita, 2001.....	\$26,664	\$30,472	37	manufacturing, mining, construction.....	18%	22%	
Federal spending				transportation, communication, utilities.....	8%	8%	
Total expenditures, 2001 (millions).....	\$5,807	\$1,753,011	49	wholesale and retail trade.....	17%	16%	
R&D obligations, 2001 (millions).....	\$55	\$78,006	51	finance, insurance, real estate.....	20%	19%	
				services.....	18%	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: South Dakota, 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.....	54,941	20,534	0	5,374	26,064	938	2,031	51
Department of Agriculture.....	7,823	3,918	0	0	3,828	0	77	46
Department of Commerce.....	953	72	0	0	6	0	875	47
Department of Defense.....	5,179	25	0	110	5,044	0	0	50
Department of Energy.....	258	0	0	258	0	0	0	51
Dept. of Health & Human Services.....	10,994	0	0	2,256	7,750	938	50	50
Department of the Interior.....	14,077	11,276	0	2,300	501	0	0	11
Department of Transportation.....	888	0	0	0	0	0	888	48
Environmental Protection Agency.....	141	0	0	0	0	0	141	50
National Aeronautics and Space Admin....	6,228	5,243	0	0	985	0	0	37
National Science Foundation.....	8,400	0	0	450	7,950	0	0	46
State rank, total.....	51	46	na	51	51	50	48	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".