

## Science and engineering profile: South Dakota

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	1,050 †	620,140	51
S&E doctorates awarded, 2006	36	29,854	50
Life sciences (%)	47	26	–
Psychology (%)	25	11	–
Environmental sciences (%)	11	3	–
SEH postdoctorates in doctorate-granting institutions, 2006	19	49,201	50
SEH graduate students in doctorate-granting institutions, 2006	1,292	542,073	48
Population, 2007 (thousands)	796	305,563	47
Civilian labor force, 2007 (thousands)	443	154,046	46
Personal income per capita, 2006 (\$)	32,405	36,629	33
Federal spending			
Total expenditures, 2005 (\$millions)	7,481	2,260,098	48
R&D obligations, 2005 (\$millions)	70	106,845	51
Total R&D performance, 2005 (\$millions)	157	310,194	50
Industry R&D, 2005 (\$millions)	68	222,427	49
Academic R&D, 2006 (\$millions)	73	47,735	52
Life sciences (%)	68	60	–
Engineering (%)	15	15	–
Physical sciences (%)	5	8	–
SBIR awards, 2000–06	33	38,825	50
Utility patents issued to state residents, 2006	74	89,820	47
Gross domestic product, 2006 (\$billions)	32	13,235	48

†Coefficient of variation >10% but < 25%; – = no value possible.

S&E = science and engineering; SEH = science, engineering, and health; SBIR = small business innovation research.

NOTES: Rankings and totals are based on data for the 50 states, District of Columbia, and Puerto Rico. Rankings are based on unrounded totals; they do not account for margin of error of estimates from sample surveys. Employed SEH doctorate holders include only recipients of U.S. doctoral degrees. State estimates for employed SEH doctorate holders may have large sampling errors because the source for these data, the Survey of Doctorate Recipients, was not designed to provide a sample for estimates at the state level; these data are classified by the state where the doctorate holder resides, if known; otherwise, data are classified by employer's location.

## Federal obligations for research and development, by agency and performer: South Dakota, FY 2005 (Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State, local governments
All agencies	69,982	17,371	0	7,611	29,777	4,745	10,478	51
Department of Agriculture	9,610	4,417	0	0	5,193	0	0	46
Department of Commerce	175	156	0	0	19	0	0	48
Department of Defense	10,988	1,782	0	2,789	6,417	0	0	50
Department of Energy	125	0	0	0	125	0	0	52
Department of Health and Human Services	20,258	838	0	2,189	12,273	4,745	213	49
Department of Homeland Security	0	0	0	0	0	0	0	–
Department of the Interior	11,712	10,178	0	1,042	492	0	0	9
Department of Transportation	1,000	0	0	0	1,000	0	0	26
Environmental Protection Agency	106	0	0	0	0	0	106	43
National Aeronautics and Space Administration	12,149	0	0	1,459	531	0	10,159	33
National Science Foundation	3,859	0	0	132	3,727	0	0	51
Rank	51	47	–	49	51	41	8	–

– = no value possible.

FFRDC = federally funded research and development center.

NOTES: Federal R&D obligations are as reported by funding agencies. Rankings 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 State Profiles".