

Science and engineering profile: North Dakota

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	1,170 *	566,330	50
Doctoral engineers, 2003	140 **	118,540	49
S&E doctorates awarded, 2005	45	27,974	46
Life sciences (%)	40	26	-
Psychology (%)	38	12	-
Mathematics and computer sciences (%)	13	8	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	50	48,601	46
S&E and health graduate students in doctorate-granting institutions, 2005	1,882	527,767	45
Population, 2005 (thousands)	637	300,322	49
Civilian labor force, 2005 (thousands)	359	150,717	48
Personal income per capita, 2005 (dollars)	31,230	34,495	33
Federal spending			
Total expenditures, 2004 (\$millions)	6,035	2,136,440	49
R&D obligations, 2004 (\$millions)	103	98,936	48
Total R&D performance, 2004 (\$millions)	558	283,439	42
Industry R&D, 2004 (\$millions)	379	201,131	40
Academic R&D, 2005 (\$millions)	150	45,725	44
Life sciences (%)	48	60	-
Engineering (%)	22	15	-
Physical sciences (%)	10	8	-
SBIR awards, 2000-05	42	33,289	49
Utility patents issued to state residents, 2005	74	74,630	46
Gross domestic product, 2005 (\$billions)	24	12,492	51

*Coefficient of variation greater than 10% but less than 25%; **Coefficient of variation 25% or greater; - = no value possible; S&E = science and engineering; 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. Reliability of estimates of doctoral scientists and engineers varies by state, because sample allocation was not based on geography. Rankings do not take into account the margin of error of estimates from sample surveys. Data on doctoral scientists and engineers include only recipients of doctoral degrees from U.S. institutions in S&E and health fields. The field percentages represent the largest three fields within the state.

Federal obligations for research and development, by agency and performer: North Dakota, FY 2004 (Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State, local governments
All agencies	102,998	26,130	0	7,699	66,290	1,369	1,510	48
Department of Agriculture	34,799	22,616	0	0	12,179	0	4	22
Department of Commerce	1,326	140	0	0	1,186	0	0	37
Department of Defense	20,380	184	0	2,020	18,176	0	0	45
Department of Energy	10,009	0	0	350	9,659	0	0	33
Department of Health and Human Services	20,553	0	0	4,153	14,581	1,369	450	49
Department of Homeland Security	0	0	0	0	0	0	0	-
Department of the Interior	3,578	3,190	0	15	373	0	0	27
Department of Transportation	1,995	0	0	0	985	0	1,010	44
Environmental Protection Agency	1,209	0	0	0	1,163	0	46	32
National Aeronautics and Space Administration	2,203	0	0	105	2,098	0	0	49
National Science Foundation	6,946	0	0	1,056	5,890	0	0	49
Rank	48	45	-	49	46	50	50	-

- = no value possible.

FFRDC = federally funded research and development center.

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.