

## Science and engineering profile: North Dakota

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	1,380 †	620,140	49
S&E doctorates awarded, 2006	51	29,854	47
Life sciences (%)	37	26	–
Psychology (%)	24	11	–
Physical sciences (%)	18	13	–
SEH postdoctorates in doctorate-granting institutions, 2006	39	49,201	48
SEH graduate students in doctorate-granting institutions, 2006	1,799	542,073	45
Population, 2007 (thousands)	640	305,563	49
Civilian labor force, 2007 (thousands)	366	154,046	48
Personal income per capita, 2006 (\$)	33,034	36,629	30
Federal spending			
Total expenditures, 2005 (\$millions)	6,608	2,260,098	49
R&D obligations, 2005 (\$millions)	105	106,845	48
Total R&D performance, 2005 (\$millions)	285	310,194	48
Industry R&D, 2005 (\$millions)	104	222,427	47
Academic R&D, 2006 (\$millions)	160	47,735	44
Life sciences (%)	46	60	–
Engineering (%)	24	15	–
Physical sciences (%)	10	8	–
SBIR awards, 2000–06	50	38,825	49
Utility patents issued to state residents, 2006	66	89,820	48
Gross domestic product, 2006 (\$billions)	26	13,235	51

†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: North 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	105,109	29,836	0	3,579	70,474	1,092	128	48
Department of Agriculture	39,714	26,951	0	0	12,763	0	0	18
Department of Commerce	732	16	0	0	716	0	0	42
Department of Defense	12,201	122	0	1,369	10,710	0	0	48
Department of Energy	14,344	0	0	420	13,924	0	0	28
Department of Health and Human Services	20,656	0	0	1,040	18,524	1,092	0	48
Department of Homeland Security	2	0	0	2	0	0	0	43
Department of the Interior	3,132	2,747	0	0	357	0	28	32
Department of Transportation	400	0	0	0	400	0	0	35
Environmental Protection Agency	971	0	0	0	871	0	100	33
National Aeronautics and Space Administration	5,643	0	0	118	5,525	0	0	45
National Science Foundation	7,314	0	0	630	6,684	0	0	49
Rank	48	43	–	50	46	50	51	–

– = 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".