Science and Engineering Profile: North Dakota

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001[1]	1,150	542,940	51	Total R&D performance, 2000 (millions)	$146	$244,855	49
Doctoral engineers, 2001[1]	130	112,770	48	Industry R&D, 2000 (millions)	$51	$187,544	46
S&E doctorates awarded, 2001[1]	43	25,509	47	Academic R&D, 2001 (millions)	$85	$32,716	44
of which, in life sciences	37%	26%		of which, in life sciences	65%	59%	
in psychology	30%	13%		in engineering	13%	15%	
in physical sciences	19%	13%		in social sciences	7%	4%	
S&E postdoctorates, 2001[1]				Public higher education current-fund			
in doctorate-granting institutions	60	42,899	43	expenditures, 2000 (millions)	$487	$152,068	45
S&E graduate students, 2001[1]				Number of SBIR awards, 1999-2001	19	13,650	49
in doctorate-granting institutions	1,274	452,411	46	Utility patents issued to state residents, 2001	97	87,605	46
Population, 2002 (thousands)	634	292,228	49	Gross state product, 2000 (billions)	$18	$10,003	52
Civilian labor force, 2002 (thousands)	346	146,712	49	of which, agriculture	5%	1%	
				manufacturing, mining, construction	17%	22%	
Personal income per capita, 2001	$25,902	$30,472	38	transportation, communication, utilities	10%	8%	
				wholesale and retail trade	18%	16%	
Federal spending				finance, insurance, real estate	16%	19%	
Total expenditures, 2001 (millions)	$5,948	$1,753,011	48	services	19%	22%	
R&D obligations, 2001 (millions)	$78	$78,006	49	government	14%	12%	

[1]Data 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: North 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	77,903	27,871	0	7,489	39,564	1,844	1,135	49
Department of Agriculture	32,863	24,587	0	0	8,276	0	0	22
Department of Commerce	782	32	0	0	750	0	0	50
Department of Defense	6,628	29	0	210	6,389	0	0	49
Department of Energy	6,531	0	0	0	6,531	0	0	35
Dept. of Health & Human Services	17,400	0	0	6,649	8,857	1,844	50	48
Department of the Interior	3,437	3,223	0	0	142	0	72	32
Department of Transportation	1,325	0	0	0	412	0	913	45
Environmental Protection Agency	2,012	0	0	70	1,842	0	100	28
National Aeronautics and Space Admin	3,217	0	0	0	3,217	0	0	43
National Science Foundation	3,708	0	0	560	3,148	0	0	52
State rank, total	49	42	na	50	48	47	52	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".