

Science and Engineering Profile: Vermont

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 ¹	1,800	542,940	45	Total R&D performance, 2000 (millions).....	\$465	\$244,855	40
Doctoral engineers, 2001 ¹	240	112,770	46	Industry R&D, 2000 (millions).....	\$396	\$187,544	36
S&E doctorates awarded, 2001 ¹	52	25,509	44	Academic R&D, 2001 (millions).....	\$77	\$32,716	48
of which, in life sciences.....	52%	26%		of which, in life sciences.....	87%	59%	
in psychology.....	23%	13%		in other sciences.....	3%	2%	
in physical sciences.....	13%	13%		in physical sciences.....	3%	9%	
S&E postdoctorates, 2001 ¹				Public higher education current-fund			
in doctorate-granting institutions.....	92	42,899	40	expenditures, 2000 (millions).....	\$411	\$152,068	48
S&E graduate students, 2001 ¹				Number of SBIR awards, 1999-2001.....	44	13,650	37
in doctorate-granting institutions.....	612	452,411	51	Utility patents issued to state residents, 2001.....	453	87,605	33
Population, 2002 (thousands).....	617	292,228	50	Gross state product, 2000 (billions).....	\$18	\$10,003	51
Civilian labor force, 2002 (thousands).....	349	146,712	48	of which, agriculture.....	2%	1%	
Personal income per capita, 2001.....	\$28,594	\$30,472	27	manufacturing, mining, construction.....	22%	22%	
Federal spending				transportation, communication, utilities.....	7%	8%	
Total expenditures, 2001 (millions).....	\$3,734	\$1,753,011	51	wholesale and retail trade.....	15%	16%	
R&D obligations, 2001 (millions).....	\$113	\$78,006	47	finance, insurance, real estate.....	18%	19%	
				services.....	22%	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: Vermont, 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.....	112,704	5,165	0	34,571	68,289	1,534	3,145	47
Department of Agriculture.....	7,376	1,954	0	207	5,200	15	0	47
Department of Commerce.....	1,141	0	0	0	1,141	0	0	45
Department of Defense.....	33,671	2,570	0	30,453	648	0	0	41
Department of Energy.....	1,034	0	0	33	1,001	0	0	49
Dept. of Health & Human Services.....	59,611	0	0	1,098	54,954	1,509	2,050	38
Department of the Interior.....	1,041	641	0	0	272	10	118	50
Department of Transportation.....	752	0	0	0	0	0	752	49
Environmental Protection Agency.....	379	0	0	0	154	0	225	45
National Aeronautics and Space Admin....	1,113	0	0	917	196	0	0	50
National Science Foundation.....	6,586	0	0	1,863	4,723	0	0	50
State rank, total.....	47	51	na	43	41	48	38	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".