

Science and engineering profile: Virginia

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	19,850	620,140	10
S&E doctorates awarded, 2006	727	29,854	14
Engineering (%)	28	24	–
Life sciences (%)	22	26	–
Social sciences (%)	16	14	–
SEH postdoctorates in doctorate-granting institutions, 2006	931	49,201	17
SEH graduate students in doctorate-granting institutions, 2006	15,605	542,073	11
Population, 2007 (thousands)	7,712	305,563	12
Civilian labor force, 2007 (thousands)	4,054	154,046	12
Personal income per capita, 2006 (\$)	39,564	36,629	10
Federal spending			
Total expenditures, 2005 (\$millions)	95,097	2,260,098	6
R&D obligations, 2005 (\$millions)	8,214	106,845	3
Total R&D performance, 2005 (\$millions)	8,568	310,194	12
Industry R&D, 2005 (\$millions)	4,379	222,427	15
Academic R&D, 2006 (\$millions)	947	47,735	15
Life sciences (%)	54	60	–
Engineering (%)	21	15	–
Environmental sciences (%)	8	5	–
SBIR awards, 2000–06	2,228	38,825	3
Utility patents issued to state residents, 2006	1,094	89,820	23
Gross domestic product, 2006 (\$billions)	369	13,235	12

– = 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: Virginia, FY 2005 (Thousands of dollars)

Agency	Performer						Rank	
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State, local governments
All agencies	8,214,449	2,760,758	381,573	4,366,201	574,445	99,250	32,222	3
Department of Agriculture	17,504	1,449	0	0	16,055	0	0	40
Department of Commerce	9,757	2,688	0	2,108	4,415	546	0	18
Department of Defense	6,792,134	2,567,874	249,208	3,798,613	161,398	15,041	0	2
Department of Energy	114,853	5,912	80,310	12,236	14,385	2,010	0	13
Department of Health and Human Services	437,889	1,074	1,113	157,840	250,238	25,821	1,803	15
Department of Homeland Security	152,126	60,868	456	57,458	251	33,093	0	3
Department of the Interior	126,821	116,866	0	2,554	4,482	2,508	411	1
Department of Transportation	37,694	493	0	31,634	3,815	1,174	578	3
Environmental Protection Agency	7,345	1,657	0	1,320	281	3,900	187	15
National Aeronautics and Space Administration	384,797	0	0	297,457	56,007	2,090	29,243	5
National Science Foundation	133,529	1,877	50,486	4,981	63,118	13,067	0	7
Rank	3	2	6	2	12	11	5	–

– = 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".