Science and engineering profile: Tennessee

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	9,980	620,140	20
S&E doctorates awarded, 2006	395	29,854	24
Life sciences (%)	31	26	–
Engineering (%)	22	24	–
Psychology (%)	18	11	–
SEH postdoctorates in doctorate-granting institutions, 2006	762	49,201	20
SEH graduate students in doctorate-granting institutions, 2006	7,813	542,073	23
Population, 2007 (thousands)	6,157	305,563	17
Civilian labor force, 2007 (thousands)	3,037	154,046	17
Personal income per capita, 2006 ($)	32,305	36,629	36
Federal spending			
Total expenditures, 2005 ($millions)	48,288	2,260,098	15
R&D obligations, 2005 ($millions)	1,293	106,845	22
Total R&D performance, 2005 ($millions)	3,009	310,194	26
Industry R&D, 2005 ($millions)	1,246	222,427	30
Academic R&D, 2006 ($millions)	743	47,735	21
Life sciences (%)	67	60	–
Engineering (%)	13	15	–
Physical sciences (%)	6	8	–
SBIR awards, 2000–06	268	38,825	27
Utility patents issued to state residents, 2006	669	89,820	26
Gross domestic product, 2006 ($billions)	238	13,235	18

– = 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 classifed by employer's location.

Federal obligations for research and development, by agency and performer: Tennessee, FY 2005
(Thousands of dollars)

	Performer							
Agency	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State, local governments	Rank
All agencies	1,292,888	69,486	509,487	211,716	426,553	69,676	5,970	22
Department of Agriculture	23,604	11,815	0	0	11,594	165	30	33
Department of Commerce	2,223	1,083	0	56	1,084	0	0	31
Department of Defense	159,907	30,543	36,220	73,104	19,980	60	0	31
Department of Energy	470,058	1,216	410,394	39,640	9,545	9,263	0	5
Department of Health and Human Services	419,255	4,216	2,151	3,460	347,746	60,172	1,510	17
Department of Homeland Security	93,408	16,826	59,753	16,829	0	0	0	5
Department of the Interior	3,336	2,154	0	41	1,034	16	91	30
Department of Transportation	1,975	138	832	688	0	0	317	20
Environmental Protection Agency	1,111	0	0	70	1,041	0	0	31
National Aeronautics and Space Administration	87,037	0	0	77,422	5,593	0	4,022	11
National Science Foundation	30,974	1,495	137	406	28,936	0	0	27
Rank	22	33	4	25	19	15	18	–

– = 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".