

Science and engineering profile: Oklahoma

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	4,430	566,330	33
Doctoral engineers, 2003	960 *	118,540	28
S&E doctorates awarded, 2004	221	26,275	31
Life sciences (percent)	32	27	na
Engineering (percent)	20	22	na
Psychology (percent)	17	13	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	186	46,807	34
S&E and health graduate students in doctorate-granting institutions, 2003	4,790	507,247	31
Population, 2004 (thousands)	3,524	297,550	29
Civilian labor force, 2004 (thousands)	1,710	148,769	29
Personal income per capita, 2004 (dollars)	27,819	33,041	40
Federal spending			
Total expenditures, 2003 (millions of dollars)	25,254	2,024,246	29
R&D obligations, 2003 (millions of dollars)	274	91,359	38
Total R&D performance, 2003 (millions of dollars)	968	277,577	38
Industry R&D, 2003 (millions of dollars)	577	198,244	36
Academic R&D, 2003 (millions of dollars)	295	40,055	35
Life sciences (percent)	48	59	na
Engineering (percent)	15	15	na
Environmental sciences (percent)	11	5	na
Number of SBIR awards, 1999–2004	127	31,847	31
Utility patents issued to state residents, 2004	447	84,268	31
Gross state product, 2004 (billions of dollars)	108	11,744	30

*Coefficient of variation greater than 10% but less than 25%; na = not applicable; S&E = science and engineering; SBIR = small business innovation research.

NOTES: Rankings and totals are based on data for the 50 states, District of Columbia, and Puerto Rico. Reliability of estimates of industry R&D and of doctoral scientists and engineers varies by state, because sample allocation was not based on geography. Rankings do not take into account the margin of error of estimates from sample surveys. Data on doctoral scientists and engineers include only recipients of doctoral degrees from U.S. institutions in S&E and health fields. The field percentages represent the largest three fields within the state.

Federal obligations for research and development, by agency and performer: Oklahoma, FY 2003
(Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State and local government
All agencies	274,349	68,151	0	63,089	113,353	27,591	2,165	38
Department of Agriculture	21,944	11,693	0	0	10,204	0	47	35
Department of Commerce	10,980	7,493	0	12	3,475	0	0	19
Department of Defense	67,828	7,978	0	53,918	5,657	275	0	37
Department of Energy	10,012	1,851	0	1,473	5,503	1,185	0	33
Department of Health and Human Services	94,674	17,196	0	1,715	50,215	25,548	0	36
Department of the Interior	1,619	1,241	0	0	358	0	20	46
Department of Transportation	13,949	7,556	0	4,260	35	0	2,098	12
Environmental Protection Agency	14,923	13,094	0	295	1,534	0	0	11
National Aeronautics and Space Administration	20,656	49	0	719	19,337	551	0	24
National Science Foundation	17,764	0	0	697	17,035	32	0	39
Rank	38	37	na	36	38	24	41	na

FFRDC = federally funded research and development center.
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.