

Science and engineering profile: Missouri

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	8,910	566,330	19
Doctoral engineers, 2003	1,350 *	118,540	26
S&E doctorates awarded, 2004	438	26,275	20
Life sciences (percent)	32	27	na
Engineering (percent)	17	22	na
Psychology (percent)	16	13	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	931	46,807	16
S&E and health graduate students in doctorate-granting institutions, 2003	8,520	507,247	19
Population, 2004 (thousands)	5,755	297,550	17
Civilian labor force, 2004 (thousands)	3,031	148,769	17
Personal income per capita, 2004 (dollars)	30,516	33,041	32
Federal spending			
Total expenditures, 2003 (millions of dollars)	43,874	2,024,246	15
R&D obligations, 2003 (millions of dollars)	1,270	91,359	22
Total R&D performance, 2003 (millions of dollars)	2,731	277,577	25
Industry R&D, 2003 (millions of dollars)	1,742	198,244	23
Academic R&D, 2003 (millions of dollars)	807	40,055	15
Life sciences (percent)	82	59	na
Engineering (percent)	8	15	na
Physical sciences (percent)	3	8	na
Number of SBIR awards, 1999–2004	154	31,847	29
Utility patents issued to state residents, 2004	768	84,268	24
Gross state product, 2004 (billions of dollars)	203	11,744	20

\*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: Missouri, FY 2003  
(Thousands of dollars)

Agency	Total	Performer					State and local government	Rank
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		
All agencies	1,269,896	158,055	0	542,858	540,273	23,611	5,099	22
Department of Agriculture	30,159	12,088	0	0	18,066	0	5	26
Department of Commerce	2,108	176	0	1,070	302	560	0	35
Department of Defense	555,980	23,697	0	520,608	10,855	586	234	19
Department of Energy	6,478	0	0	70	6,298	110	0	37
Department of Health and Human Services	610,441	112,504	0	15,143	460,435	20,590	1,769	13
Department of the Interior	10,083	9,292	0	0	523	255	13	13
Department of Transportation	3,503	5	0	42	148	243	3,065	32
Environmental Protection Agency	2,050	188	0	70	1,792	0	0	29
National Aeronautics and Space Administration	15,160	105	0	2,843	11,043	1,169	0	28
National Science Foundation	33,934	0	0	3,012	30,811	98	13	24
Rank	22	23	na	17	12	27	24	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.