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, 2005	489	27,974	20
Life sciences (%)	33	26	–
Engineering (%)	21	23	–
Social sciences (%)	14	15	–
S&E and health postdoctorates in doctorate-granting institutions, 2005	647	48,601	22
S&E and health graduate students in doctorate-granting institutions, 2005	9,796	527,767	19
Population, 2005 (thousands)	5,800	300,322	18
Civilian labor force, 2005 (thousands)	3,024	150,717	17
Personal income per capita, 2005 (dollars)	31,299	34,495	32
Federal spending			
Total expenditures, 2004 ($millions)	45,730	2,136,440	15
R&D obligations, 2004 ($millions)	2,979	98,936	10
Total R&D performance, 2004 ($millions)	3,038	283,439	25
Industry R&D, 2004 ($millions)	2,151	201,131	23
Academic R&D, 2005 ($millions)	893	45,725	16
Life sciences (%)	81	60	–
Engineering (%)	8	15	–
Physical sciences (%)	4	8	–
SBIR awards, 2000–05	165	33,289	29
Utility patents issued to state residents, 2005	628	74,630	24
Gross domestic product, 2005 ($billions)	216	12,492	22

*Coefficient of variation greater than 10% but less than 25%; – = no value possible; 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. Rankings are based on unrounded totals. Reliability of estimates 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 2004
(Thousands of dollars)

		Performer						
Agency	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State, local governments	Rank
All agencies	2,979,320	31,699	0	2,365,229	560,194	13,886	8,312	10
Department of Agriculture	32,278	13,446	0	0	18,742	90	0	24
Department of Commerce	1,146	23	0	488	635	0	0	40
Department of Defense	2,383,063	8,830	0	2,351,196	23,032	5	0	6
Department of Energy	5,465	0	0	0	5,250	215	0	39
Department of Health and Human Services	484,526	503	0	7,472	463,849	11,298	1,404	13
Department of Homeland Security	450	146	0	55	0	249	0	33
Department of the Interior	9,153	8,751	0	94	285	0	23	14
Department of Transportation	7,596	0	0	8	168	656	6,764	18
Environmental Protection Agency	95	0	0	0	95	0	0	48
National Aeronautics and Space Administration	20,795	0	0	4,559	16,121	0	115	28
National Science Foundation	34,753	0	0	1,357	32,017	1,373	6	25
Rank	10	40	–	5	12	33	25	–

– = no value possible.
FFRDC = federally funded research and development center.

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.