

Science and Engineering Profile: Kentucky

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 ¹	4,950	542,940	30	Total R&D performance, 2000 (millions).....	\$866	\$244,855	35
Doctoral engineers, 2001 ¹	450	112,770	40	Industry R&D, 2000 (millions).....	\$582	\$187,544	34
S&E doctorates awarded, 2001 ¹	172	25,509	33	Academic R&D, 2001 (millions).....	\$297	\$32,716	30
of which, in life sciences.....	38%	26%		of which, in life sciences.....	73%	59%	
in social sciences.....	20%	16%		in engineering.....	12%	15%	
in psychology.....	17%	13%		in physical sciences.....	5%	9%	
S&E postdoctorates, 2001 ¹				Public higher education current-fund			
in doctorate-granting institutions.....	351	42,899	28	expenditures, 2000 (millions).....	\$2,442	\$152,068	25
S&E graduate students, 2001 ¹				Number of SBIR awards, 1999-2001.....	40	13,650	38
in doctorate-granting institutions.....	4,061	452,411	33	Utility patents issued to state residents, 2001.....	481	87,605	32
Population, 2002 (thousands).....	4,093	292,228	26	Gross state product, 2000 (billions).....	\$119	\$10,003	27
Civilian labor force, 2002 (thousands).....	1,966	146,712	26	of which, agriculture.....	2%	1%	
Personal income per capita, 2001.....	\$24,923	\$30,472	41	manufacturing, mining, construction.....	33%	22%	
Federal spending				transportation, communication, utilities.....	8%	8%	
Total expenditures, 2001 (millions).....	\$25,835	\$1,753,011	24	wholesale and retail trade.....	15%	16%	
R&D obligations, 2001 (millions).....	\$272	\$78,006	40	finance, insurance, real estate.....	12%	19%	
				services.....	16%	22%	
				government.....	13%	12%	

¹Data on graduate students, doctoral scientists, doctoral engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health. Data on S&E doctorates awarded do not include health fields.

NOTES: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

Federal Obligations for Research and Development by Agency and Performer: Kentucky, Fiscal Year 2001

Agency	Performer							State rank, total
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	
	[In thousands of dollars]							
Total, all agencies.....	271,690	13,375	0	100,566	138,746	4,354	14,649	40
Department of Agriculture.....	14,332	3	0	0	14,319	10	0	39
Department of Commerce.....	1,838	55	0	1,068	0	0	715	36
Department of Defense.....	38,956	12,194	0	12,412	14,350	0	0	40
Department of Energy.....	2,276	0	0	70	2,206	0	0	44
Dept. of Health & Human Services.....	190,417	44	0	86,413	88,845	3,413	11,702	25
Department of the Interior.....	1,835	1,079	0	0	682	0	74	45
Department of Transportation.....	2,378	0	0	0	220	0	2,158	35
Environmental Protection Agency.....	1,157	0	0	0	976	181	0	35
National Aeronautics and Space Admin....	3,021	0	0	175	2,096	750	0	44
National Science Foundation.....	15,480	0	0	428	15,052	0	0	39
State rank, total.....	40	47	na	31	32	43	5	na

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; 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".