

Science and engineering profile: Arkansas

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	2,940	566,330	37
Doctoral engineers, 2003	320 **	118,540	42
S&E doctorates awarded, 2005	116	27,974	40
Life sciences (%)	46	26	-
Engineering (%)	18	23	-
Physical sciences (%)	17	13	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	133	48,601	38
S&E and health graduate students in doctorate-granting institutions, 2005	3,383	527,767	37
Population, 2005 (thousands)	2,779	300,322	33
Civilian labor force, 2005 (thousands)	1,362	150,717	33
Personal income per capita, 2005 (dollars)	26,641	34,495	48
Federal spending			
Total expenditures, 2004 (\$millions)	19,489	2,136,440	33
R&D obligations, 2004 (\$millions)	141	98,936	47
Total R&D performance, 2004 (\$millions)	514	283,439	45
Industry R&D, 2004 (\$millions)	287	201,131	42
Academic R&D, 2005 (\$millions)	210	45,725	39
Life sciences (%)	75	60	-
Engineering (%)	11	15	-
Physical sciences (%)	7	8	-
SBIR awards, 2000-05	84	33,289	43
Utility patents issued to state residents, 2005	126	74,630	42
Gross domestic product, 2005 (\$billions)	87	12,492	34

**Coefficient of variation 25% or greater; - = 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: Arkansas, FY 2004
(Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State, local governments
All agencies	141,282	40,834	0	8,076	82,931	3,614	5,827	47
Department of Agriculture	35,636	19,425	0	0	16,211	0	0	21
Department of Commerce	0	0	0	0	0	0	0	-
Department of Defense	9,410	106	0	3,913	5,282	0	109	49
Department of Energy	535	0	0	0	535	0	0	51
Department of Health and Human Services	81,051	20,053	0	1,930	51,877	3,614	3,577	36
Department of Homeland Security	0	0	0	0	0	0	0	-
Department of the Interior	1,516	1,250	0	25	150	0	91	45
Department of Transportation	2,050	0	0	0	0	0	2,050	43
Environmental Protection Agency	268	0	0	70	198	0	0	42
National Aeronautics and Space Administration	1,852	0	0	110	1,742	0	0	51
National Science Foundation	8,964	0	0	2,028	6,936	0	0	47
Rank	47	38	-	48	44	45	29	-

- = 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.