

## Science and Engineering Profile: Arkansas

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 <sup>1</sup> .....	2,670	542,940	38	Total R&D performance, 2000 (millions).....	\$454	\$244,855	42
Doctoral engineers, 2001 <sup>1</sup> .....	370	112,770	42	Industry R&D, 2000 (millions).....	\$273	\$187,544	38
S&E doctorates awarded, 2001 <sup>1</sup> .....	62	25,509	43	Academic R&D, 2001 (millions).....	\$141	\$32,716	40
of which, in life sciences.....	60%	26%		of which, in life sciences.....	77%	59%	
in psychology.....	18%	13%		in engineering.....	10%	15%	
in engineering.....	8%	22%		in physical sciences.....	6%	9%	
S&E postdoctorates, 2001 <sup>1</sup>				Public higher education current-fund			
in doctorate-granting institutions.....	88	42,899	41	expenditures, 2000 (millions).....	\$1,529	\$152,068	35
S&E graduate students, 2001 <sup>1</sup>				Number of SBIR awards, 1999-2001.....	25	13,650	46
in doctorate-granting institutions.....	2,338	452,411	39	Utility patents issued to state residents, 2001.....	180	87,605	41
Population, 2002 (thousands).....	2,710	292,228	34	Gross state product, 2000 (billions).....	\$68	\$10,003	34
Civilian labor force, 2002 (thousands).....	1,285	146,712	34	of which, agriculture.....	3%	1%	
Personal income per capita, 2001.....	\$22,887	\$30,472	49	manufacturing, mining, construction.....	28%	22%	
Federal spending				transportation, communication, utilities.....	10%	8%	
Total expenditures, 2001 (millions).....	\$16,632	\$1,753,011	34	wholesale and retail trade.....	18%	16%	
R&D obligations, 2001 (millions).....	\$184	\$78,006	44	finance, insurance, real estate.....	12%	19%	
				services.....	16%	22%	
				government.....	12%	12%	

<sup>1</sup>Data 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: Arkansas, 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.....	183,867	52,304	0	55,666	67,996	4,241	3,660	44
Department of Agriculture.....	42,139	23,845	0	0	18,279	15	0	17
Department of Commerce.....	0	0	0	0	0	0	0	na
Department of Defense.....	57,666	695	0	54,261	2,710	0	0	37
Department of Energy.....	220	0	0	0	220	0	0	52
Dept. of Health & Human Services.....	72,420	26,172	0	431	39,604	4,226	1,987	35
Department of the Interior.....	1,803	1,592	0	0	166	0	45	46
Department of Transportation.....	1,704	0	0	76	0	0	1,628	42
Environmental Protection Agency.....	55	0	0	0	55	0	0	52
National Aeronautics and Space Admin....	578	0	0	404	174	0	0	51
National Science Foundation.....	7,282	0	0	494	6,788	0	0	48
State rank, total.....	44	34	na	37	42	44	36	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".