Science and engineering profile: Alabama

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	5,330	566,330	28
Doctoral engineers, 2003	1,390 *	118,540	25
S&E doctorates awarded, 2005	338	27,974	25
Life sciences (%)	34	26	–
Engineering (%)	23	23	–
Physical sciences (%)	14	13	–
S&E and health postdoctorates in doctorate-granting institutions, 2005	352	48,601	27
S&E and health graduate students in doctorate-granting institutions, 2005	7,745	527,767	22
Population, 2005 (thousands)	4,558	300,322	23
Civilian labor force, 2005 (thousands)	2,155	150,717	23
Personal income per capita, 2005 (dollars)	29,623	34,495	41
Federal spending			
Total expenditures, 2004 ($millions)	39,047	2,136,440	19
R&D obligations, 2004 ($millions)	2,806	98,936	11
Total R&D performance, 2004 ($millions)	2,760	283,439	26
Industry R&D, 2004 ($millions)	1,227	201,131	28
Academic R&D, 2005 ($millions)	590	45,725	23
Life sciences (%)	71	60	–
Engineering (%)	15	15	–
Physical sciences (%)	4	8	–
SBIR awards, 2000–05	646	33,289	14
Utility patents issued to state residents, 2005	318	74,630	35
Gross domestic product, 2005 ($billions)	152	12,492	25

*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: Alabama, 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	2,806,185	911,349	0	1,470,801	363,776	50,517	9,742	11
Department of Agriculture	22,405	9,154	0	0	13,251	0	0	33
Department of Commerce	1,187	158	0	96	381	552	0	39
Department of Defense	2,105,369	729,519	0	1,354,489	14,670	6,691	0	7
Department of Energy	9,238	0	0	750	7,901	587	0	34
Department of Health and Human Services	318,639	1,187	0	4,189	271,425	41,260	578	21
Department of Homeland Security	29,680	28,620	0	1,060	0	0	0	9
Department of the Interior	2,252	1,260	0	48	659	0	285	38
Department of Transportation	7,143	15	0	1,130	742	324	4,932	21
Environmental Protection Agency	3,373	0	0	195	2,172	831	175	23
National Aeronautics and Space Administration	286,424	141,436	0	107,822	33,165	229	3,772	7
National Science Foundation	20,475	0	0	1,022	19,410	43	0	36
Rank	11	5	–	10	21	20	21	–

– = 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.