Science and engineering profile: Georgia

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	12,640	566,330	16
Doctoral engineers, 2003	1,670 *	118,540	21
S&E doctorates awarded, 2004	655	26,275	12
Engineering (percent)	36	22	na
Life sciences (percent)	26	27	na
Social sciences (percent)	11	16	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	1,037	46,807	13
S&E and health graduate students in doctorate-granting institutions, 2003	10,709	507,247	15
Population, 2004 (thousands)	8,829	297,550	9
Civilian labor force, 2004 (thousands)	4,390	148,769	9
Personal income per capita, 2004 (dollars)	30,074	33,041	33
Federal spending			
Total expenditures, 2003 (millions of dollars)	51,910	2,024,246	12
R&D obligations, 2003 (millions of dollars)	1,514	91,359	21
Total R&D performance, 2003 (millions of dollars)	3,923	277,577	20
Industry R&D, 2003 (millions of dollars)	2,108	198,244	22
Academic R&D, 2003 (millions of dollars)	1,176	40,055	12
Life sciences (percent)	54	59	na
Engineering (percent)	23	15	na
Math and computer sciences (percent)	6	4	na
Number of SBIR awards, 1999–2004	336	31,847	23
Utility patents issued to state residents, 2004	1,326	84,268	20
Gross state product, 2004 (billions of dollars)	343	11,744	10

*Coefficient of variation greater than 10% but less than 25%; na = not applicable; 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. Reliability of estimates of industry R&D and 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: Georgia, FY 2003
(Thousands of dollars)

	Performer							
Agency	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State and local government	Rank
All agencies	1,514,260	613,607	0	387,447	480,809	25,311	7,086	21
Department of Agriculture	68,698	48,650	0	0	20,021	7	20	6
Department of Commerce	2,062	244	0	336	1,482	0	0	36
Department of Defense	441,001	41,780	0	351,869	42,234	5,118	0	21
Department of Energy	37,660	60	0	21,800	11,135	4,665	0	18
Department of Health and Human Services	845,087	509,993	0	7,897	322,350	3,680	1,167	9
Department of the Interior	6,706	5,132	0	341	1,163	0	70	20
Department of Transportation	5,657	0	0	611	433	0	4,613	23
Environmental Protection Agency	7,679	5,238	0	18	1,936	487	0	15
National Aeronautics and Space Administration	31,533	2,447	0	2,882	15,150	11,054	0	17
National Science Foundation	68,177	63	0	1,693	64,905	300	1,216	17
Rank	21	10	na	20	14	25	17	na

FFRDC = federally funded research and development center.

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.