

Science and engineering profile: South Carolina

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	5,190	566,330	29
Doctoral engineers, 2003	830 *	118,540	30
S&E doctorates awarded, 2004	211	26,275	32
Engineering (percent)	29	22	na
Life sciences (percent)	27	27	na
Social sciences (percent)	13	16	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	302	46,807	29
S&E and health graduate students in doctorate-granting institutions, 2003	3,624	507,247	35
Population, 2004 (thousands)	4,198	297,550	25
Civilian labor force, 2004 (thousands)	2,046	148,769	25
Personal income per capita, 2004 (dollars)	27,153	33,041	44
Federal spending			
Total expenditures, 2003 (millions of dollars)	28,038	2,024,246	27
R&D obligations, 2003 (millions of dollars)	412	91,359	33
Total R&D performance, 2003 (millions of dollars)	1,616	277,577	31
Industry R&D, 2003 (millions of dollars)	976	198,244	32
Academic R&D, 2003 (millions of dollars)	435	40,055	28
Life sciences (percent)	56	59	na
Engineering (percent)	21	15	na
Physical sciences (percent)	6	8	na
Number of SBIR awards, 1999–2004	120	31,847	32
Utility patents issued to state residents, 2004	524	84,268	29
Gross state product, 2004 (billions of dollars)	136	11,744	27

*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: South Carolina, FY 2003
(Thousands of dollars)

Agency	Total	Performer					State and local government	Rank
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		
All agencies	411,723	79,206	37,709	87,770	164,526	30,929	11,583	33
Department of Agriculture	18,225	10,883	0	0	7,327	15	0	37
Department of Commerce	11,695	4,435	0	1,294	140	0	5,826	16
Department of Defense	149,583	34,831	500	78,944	22,700	12,608	0	30
Department of Energy	40,589	0	37,209	243	3,028	109	0	17
Department of Health and Human Services	152,517	27,430	0	5,894	113,719	2,836	2,638	31
Department of the Interior	2,031	1,544	0	0	269	0	218	40
Department of Transportation	3,183	0	0	127	811	0	2,245	33
Environmental Protection Agency	1,380	0	0	225	156	774	225	33
National Aeronautics and Space Administration	6,767	0	0	105	3,944	2,287	431	39
National Science Foundation	25,753	83	0	938	12,432	12,300	0	27
Rank	33	36	14	33	31	22	4	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.