

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, 2005	227	27,974	33
Life sciences (%)	32	26	-
Engineering (%)	26	23	-
Physical sciences (%)	15	13	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	345	48,601	28
S&E and health graduate students in doctorate-granting institutions, 2005	3,487	527,767	36
Population, 2005 (thousands)	4,255	300,322	25
Civilian labor force, 2005 (thousands)	2,081	150,717	24
Personal income per capita, 2005 (dollars)	28,212	34,495	45
Federal spending			
Total expenditures, 2004 (\$millions)	30,051	2,136,440	27
R&D obligations, 2004 (\$millions)	373	98,936	35
Total R&D performance, 2004 (\$millions)	1,599	283,439	33
Industry R&D, 2004 (\$millions)	961	201,131	32
Academic R&D, 2005 (\$millions)	486	45,725	28
Life sciences (%)	55	60	-
Engineering (%)	22	15	-
Physical sciences (%)	6	8	-
SBIR awards, 2000-05	131	33,289	32
Utility patents issued to state residents, 2005	460	74,630	29
Gross domestic product, 2005 (\$billions)	140	12,492	28

*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: South Carolina, 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	373,316	53,949	19,456	96,126	161,237	33,919	8,629	35
Department of Agriculture	19,095	11,497	0	0	7,598	0	0	36
Department of Commerce	9,005	4,677	0	13	525	461	3,329	20
Department of Defense	153,963	34,702	504	82,790	16,168	19,799	0	30
Department of Energy	23,028	0	18,952	0	3,975	101	0	24
Department of Health and Human Services	125,309	1	0	5,880	114,741	2,723	1,964	32
Department of Homeland Security	1,660	1,327	0	333	0	0	0	26
Department of the Interior	2,325	1,650	0	0	321	0	354	37
Department of Transportation	3,203	0	0	79	386	0	2,738	35
Environmental Protection Agency	1,143	0	0	69	89	741	244	33
National Aeronautics and Space Administration	11,045	0	0	5,780	5,265	0	0	37
National Science Foundation	23,540	95	0	1,182	12,169	10,094	0	33
Rank	35	34	16	33	32	24	24	-

-- = 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.