

Science and engineering profile: North Carolina

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	18,070	566,330	11
Doctoral engineers, 2003	2,290	118,540	16
S&E doctorates awarded, 2004	795	26,275	10
Life sciences (percent)	36	27	na
Engineering (percent)	20	22	na
Social sciences (percent)	13	16	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	1,777	46,807	7
S&E and health graduate students in doctorate-granting institutions, 2003	12,913	507,247	11
Population, 2004 (thousands)	8,541	297,550	11
Civilian labor force, 2004 (thousands)	4,256	148,769	11
Personal income per capita, 2004 (dollars)	29,303	33,041	37
Federal spending			
Total expenditures, 2003 (millions of dollars)	51,766	2,024,246	13
R&D obligations, 2003 (millions of dollars)	1,611	91,359	20
Total R&D performance, 2003 (millions of dollars)	6,343	277,577	14
Industry R&D, 2003 (millions of dollars)	4,424	198,244	13
Academic R&D, 2003 (millions of dollars)	1,395	40,055	8
Life sciences (percent)	74	59	na
Engineering (percent)	9	15	na
Physical sciences (percent)	5	8	na
Number of SBIR awards, 1999–2004	420	31,847	20
Utility patents issued to state residents, 2004	1,794	84,268	14
Gross state product, 2004 (billions of dollars)	336	11,744	11

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: North Carolina, FY 2003
(Thousands of dollars)

Agency	Total	Performer						Rank
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State and local government	
All agencies	1,610,868	413,057	0	170,080	908,691	111,552	7,488	20
Department of Agriculture	39,247	15,713	0	285	23,239	10	0	18
Department of Commerce	10,804	4,700	0	5,285	819	0	0	20
Department of Defense	156,442	50,215	0	44,715	45,366	16,146	0	29
Department of Energy	18,082	27	0	0	14,153	3,902	0	26
Department of Health and Human Services	1,115,724	203,574	0	94,318	728,367	86,109	3,356	7
Department of the Interior	4,090	2,515	0	2	1,375	194	4	27
Department of Transportation	5,271	0	0	47	1,609	0	3,615	25
Environmental Protection Agency	151,162	136,104	0	7,255	6,227	1,495	81	1
National Aeronautics and Space Administration	23,961	209	0	13,633	6,880	3,239	0	21
National Science Foundation	86,085	0	0	4,540	80,656	457	432	15
Rank	20	15	na	25	7	11	14	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.