

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, 2005	863	27,974	10
Life sciences (%)	36	26	-
Engineering (%)	19	23	-
Social sciences (%)	13	15	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	1,953	48,601	7
S&E and health graduate students in doctorate-granting institutions, 2005	14,079	527,767	11
Population, 2005 (thousands)	8,683	300,322	11
Civilian labor force, 2005 (thousands)	4,333	150,717	11
Personal income per capita, 2005 (dollars)	31,029	34,495	36
Federal spending			
Total expenditures, 2004 (\$millions)	55,233	2,136,440	12
R&D obligations, 2004 (\$millions)	1,677	98,936	20
Total R&D performance, 2004 (\$millions)	6,491	283,439	14
Industry R&D, 2004 (\$millions)	4,565	201,131	13
Academic R&D, 2005 (\$millions)	1,652	45,725	8
Life sciences (%)	75	60	-
Engineering (%)	8	15	-
Physical sciences (%)	5	8	-
SBIR awards, 2000-05	462	33,289	19
Utility patents issued to state residents, 2005	1,610	74,630	15
Gross domestic product, 2005 (\$billions)	347	12,492	12

- = 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: North 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	1,677,026	393,532	0	205,821	976,864	89,807	11,002	20
Department of Agriculture	41,192	16,477	0	0	24,278	129	308	17
Department of Commerce	18,295	11,926	0	3,959	1,182	4	1,224	12
Department of Defense	175,615	42,482	0	75,161	52,116	5,856	0	28
Department of Energy	20,207	224	0	0	14,514	5,469	0	26
Department of Health and Human Services	1,114,665	137,338	0	115,827	788,896	68,143	4,461	7
Department of Homeland Security	2,972	1,900	0	722	0	350	0	23
Department of the Interior	3,589	2,733	0	56	600	200	0	26
Department of Transportation	4,697	0	0	211	92	0	4,394	26
Environmental Protection Agency	191,926	180,452	0	3,718	4,765	2,911	80	1
National Aeronautics and Space Administration	22,212	0	0	4,713	11,444	5,950	105	25
National Science Foundation	81,656	0	0	1,454	78,977	795	430	16
Rank	20	10	-	24	7	12	20	-

- = 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.