

Science and Engineering Profile: North Carolina

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 ¹	16,780	542,940	11	Total R&D performance, 2000 (millions).....	\$5,045	\$244,855	13
Doctoral engineers, 2001 ¹	2,340	112,770	14	Industry R&D, 2000 (millions).....	\$3,672	\$187,544	13
S&E doctorates awarded, 2001 ¹	726	25,509	10	Academic R&D, 2001 (millions).....	\$1,137	\$32,716	8
of which, in life sciences.....	35%	26%		of which, in life sciences.....	72%	59%	
in engineering.....	21%	22%		in engineering.....	10%	15%	
in physical sciences.....	12%	13%		in physical sciences.....	5%	9%	
S&E postdoctorates, 2001 ¹				Public higher education current-fund			
in doctorate-granting institutions.....	1,440	42,899	7	expenditures, 2000 (millions).....	\$4,665	\$152,068	9
S&E graduate students, 2001 ¹				Number of SBIR awards, 1999-2001.....	170	13,650	21
in doctorate-granting institutions.....	11,621	452,411	11	Utility patents issued to state residents, 2001.....	1,946	87,605	13
Population, 2002 (thousands).....	8,320	292,228	11	Gross state product, 2000 (billions).....	\$282	\$10,003	12
Civilian labor force, 2002 (thousands).....	4,171	146,712	11	of which, agriculture.....	2%	1%	
Personal income per capita, 2001.....	\$27,514	\$30,472	33	manufacturing, mining, construction.....	29%	22%	
Federal spending				transportation, communication, utilities.....	7%	8%	
Total expenditures, 2001 (millions).....	\$44,557	\$1,753,011	13	wholesale and retail trade.....	14%	16%	
R&D obligations, 2001 (millions).....	\$1,401	\$78,006	18	finance, insurance, real estate.....	20%	19%	
				services.....	16%	22%	
				government.....	12%	12%	

¹Data on graduate students, doctoral scientists, doctoral engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health. Data on S&E doctorates awarded do not include health fields.

NOTES: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

Federal Obligations for Research and Development by Agency and Performer: North Carolina, Fiscal Year 2001

Agency	Performer							State rank, total
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	
	[In thousands of dollars]							
Total, all agencies.....	1,400,937	441,048	0	86,176	757,761	108,543	7,409	18
Department of Agriculture.....	47,952	21,802	0	0	26,150	0	0	12
Department of Commerce.....	13,570	7,806	0	1,922	2,424	618	800	15
Department of Defense.....	133,318	37,068	0	44,242	47,864	4,144	0	30
Department of Energy.....	15,826	246	0	0	13,750	1,830	0	28
Dept. of Health & Human Services.....	985,689	297,646	0	17,399	573,318	94,158	3,168	6
Department of the Interior.....	4,401	3,187	0	0	811	403	0	28
Department of Transportation.....	6,033	0	0	80	2,512	0	3,441	21
Environmental Protection Agency.....	99,163	73,293	0	6,720	16,531	2,619	0	1
National Aeronautics and Space Admin....	24,759	0	0	11,615	8,576	4,568	0	20
National Science Foundation.....	70,226	0	0	4,198	65,825	203	0	15
State rank, total.....	18	11	na	34	7	10	18	na

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; 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".