

Science and engineering profile: New York

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	41,090	566,330	2
Doctoral engineers, 2003	6,740	118,540	3
S&E doctorates awarded, 2005	2,419	27,974	2
Life sciences (%)	27	26	-
Social sciences (%)	19	15	-
Engineering (%)	16	23	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	4,187	48,601	3
S&E and health graduate students in doctorate-granting institutions, 2005	46,392	527,767	2
Population, 2005 (thousands)	19,255	300,322	3
Civilian labor force, 2005 (thousands)	9,416	150,717	3
Personal income per capita, 2005 (dollars)	40,072	34,495	6
Federal spending			
Total expenditures, 2004 (\$millions)	143,903	2,136,440	2
R&D obligations, 2004 (\$millions)	4,034	98,936	6
Total R&D performance, 2004 (\$millions)	13,113	283,439	6
Industry R&D, 2004 (\$millions)	8,793	201,131	7
Academic R&D, 2005 (\$millions)	3,604	45,725	2
Life sciences (%)	66	60	-
Engineering (%)	13	15	-
Physical sciences (%)	9	8	-
SBIR awards, 2000-05	1,335	33,289	7
Utility patents issued to state residents, 2005	4,703	74,630	3
Gross domestic product, 2005 (\$billions)	958	12,492	3

- = 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: New York, FY 2004  
(Thousands of dollars)

Agency	Total	Performer					State, local governments	Rank
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		
All agencies	4,034,084	149,717	254,325	1,239,110	1,917,418	354,025	119,489	6
Department of Agriculture	41,975	15,343	0	0	25,381	1,251	0	16
Department of Commerce	25,731	163	0	8,925	15,941	2	700	8
Department of Defense	990,273	108,680	866	813,514	64,906	2,307	0	16
Department of Energy	613,095	490	238,776	320,851	50,075	2,903	0	3
Department of Health and Human Services	1,924,561	2,056	12,068	54,677	1,431,599	329,066	95,095	4
Department of Homeland Security	27,945	18,300	2,503	7,041	0	0	101	11
Department of the Interior	4,561	3,731	0	0	684	22	124	22
Department of Transportation	14,981	648	0	2,539	3,189	533	8,072	11
Environmental Protection Agency	13,016	0	0	70	11,543	1,156	247	11
National Aeronautics and Space Administration	76,815	0	0	26,509	34,622	539	15,145	11
National Science Foundation	301,131	306	112	4,984	279,478	16,246	5	2
Rank	6	19	8	12	2	4	1	-

- = 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.