

Science and Engineering Profile: New Jersey

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 ¹	20,660	542,940	8	Total R&D performance, 2000 (millions).....	\$13,133	\$244,855	4
Doctoral engineers, 2001 ¹	4,690	112,770	6	Industry R&D, 2000 (millions).....	\$12,062	\$187,544	3
S&E doctorates awarded, 2001 ¹	621	25,509	14	Academic R&D, 2001 (millions).....	\$609	\$32,716	17
of which, in engineering.....	26%	22%		of which, in life sciences.....	49%	59%	
in life sciences.....	21%	26%		in engineering.....	20%	15%	
in social sciences.....	17%	16%		in physical sciences.....	11%	9%	
S&E postdoctorates, 2001 ¹				Public higher education current-fund			
in doctorate-granting institutions.....	691	42,899	19	expenditures, 2000 (millions).....	\$3,853	\$152,068	12
S&E graduate students, 2001 ¹				Number of SBIR awards, 1999-2001.....	403	13,650	10
in doctorate-granting institutions.....	11,317	452,411	12	Utility patents issued to state residents, 2001.....	3,869	87,605	4
Population, 2002 (thousands).....	8,590	292,228	9	Gross state product, 2000 (billions).....	\$363	\$10,003	8
Civilian labor force, 2002 (thousands).....	4,368	146,712	9	of which, agriculture.....	1%	1%	
Personal income per capita, 2001.....	\$38,509	\$30,472	4	manufacturing, mining, construction.....	18%	22%	
Federal spending				transportation, communication, utilities.....	9%	8%	
Total expenditures, 2001 (millions).....	\$46,240	\$1,753,011	12	wholesale and retail trade.....	17%	16%	
R&D obligations, 2001 (millions).....	\$1,592	\$78,006	16	finance, insurance, real estate.....	24%	19%	
				services.....	22%	22%	
				government.....	9%	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: New Jersey, 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.....	1,591,939	523,933	64,254	675,108	303,781	18,497	6,366	16
Department of Agriculture.....	9,031	6	0	0	9,025	0	0	45
Department of Commerce.....	20,908	16,456	0	3,536	916	0	0	11
Department of Defense.....	1,122,686	463,906	160	609,746	47,981	893	0	11
Department of Energy.....	84,436	168	64,094	4,350	15,113	711	0	13
Dept. of Health & Human Services.....	194,035	450	0	17,790	156,892	16,216	2,687	24
Department of the Interior.....	4,800	3,425	0	546	442	0	387	25
Department of Transportation.....	61,865	31,253	0	26,222	1,098	0	3,292	2
Environmental Protection Agency.....	6,217	4,057	0	295	1,632	233	0	18
National Aeronautics and Space Admin....	24,536	3,992	0	9,738	10,497	309	0	23
National Science Foundation.....	63,425	220	0	2,885	60,185	135	0	16
State rank, total.....	16	9	12	14	20	29	23	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".