

Science and engineering profile: Connecticut

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	10,080	566,330	18
Doctoral engineers, 2003	1,800 *	118,540	19
S&E doctorates awarded, 2004	388	26,275	22
Life sciences (percent)	35	27	na
Social sciences (percent)	19	16	na
Physical sciences (percent)	14	13	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	1,272	46,807	11
S&E and health graduate students in doctorate-granting institutions, 2003	5,824	507,247	27
Population, 2004 (thousands)	3,504	297,550	30
Civilian labor force, 2004 (thousands)	1,797	148,769	28
Personal income per capita, 2004 (dollars)	45,506	33,041	2
Federal spending			
Total expenditures, 2003 (millions of dollars)	28,595	2,024,246	26
R&D obligations, 2003 (millions of dollars)	2,068	91,359	14
Total R&D performance, 2003 (millions of dollars)	6,548	277,577	13
Industry R&D, 2003 (millions of dollars)	5,834	198,244	11
Academic R&D, 2003 (millions of dollars)	595	40,055	22
Life sciences (percent)	79	59	na
Engineering (percent)	6	15	na
Physical sciences (percent)	5	8	na
Number of SBIR awards, 1999–2004	545	31,847	16
Utility patents issued to state residents, 2004	1,577	84,268	19
Gross state product, 2004 (billions of dollars)	186	11,744	23

*Coefficient of variation greater than 10% but less than 25%; 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: Connecticut, 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	2,067,969	95,719	0	1,507,106	432,287	24,074	8,783	14
Department of Agriculture	9,426	2,070	0	0	6,426	0	930	45
Department of Commerce	6,090	1,127	0	113	4,850	0	0	25
Department of Defense	1,482,567	2,157	0	1,464,310	13,148	2,952	0	8
Department of Energy	26,384	0	0	17,119	9,265	0	0	23
Department of Health and Human Services	484,290	89,309	0	13,953	356,344	20,619	4,065	15
Department of the Interior	1,337	1,056	0	0	182	0	99	48
Department of Transportation	3,510	0	0	158	0	0	3,352	31
Environmental Protection Agency	4,509	0	0	225	4,032	0	252	21
National Aeronautics and Space Administration	14,328	0	0	10,763	3,415	150	0	30
National Science Foundation	35,528	0	0	465	34,625	353	85	23
Rank	14	33	na	7	16	26	10	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.