

Science and engineering profile: Colorado

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	13,140	566,330	15
Doctoral engineers, 2003	2,580	118,540	14
S&E doctorates awarded, 2004	466	26,275	19
Engineering (percent)	26	22	na
Life sciences (percent)	25	27	na
Social sciences (percent)	15	16	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	1,290	46,807	10
S&E and health graduate students in doctorate-granting institutions, 2003	11,061	507,247	14
Population, 2004 (thousands)	4,601	297,550	22
Civilian labor force, 2004 (thousands)	2,522	148,769	22
Personal income per capita, 2004 (dollars)	36,109	33,041	10
Federal spending			
Total expenditures, 2003 (millions of dollars)	28,874	2,024,246	25
R&D obligations, 2003 (millions of dollars)	1,612	91,359	19
Total R&D performance, 2003 (millions of dollars)	5,012	277,577	17
Industry R&D, 2003 (millions of dollars)	3,544	198,244	17
Academic R&D, 2003 (millions of dollars)	695	40,055	19
Life sciences (percent)	50	59	na
Environmental sciences (percent)	16	5	na
Engineering (percent)	13	15	na
Number of SBIR awards, 1999–2004	1,587	31,847	5
Utility patents issued to state residents, 2004	2,099	84,268	13
Gross state product, 2004 (billions of dollars)	200	11,744	21

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: Colorado, 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	1,612,002	349,617	224,531	540,105	430,931	60,750	6,068	19
Department of Agriculture	45,871	34,551	0	105	11,109	85	21	17
Department of Commerce	133,192	114,123	0	7,132	11,937	0	0	2
Department of Defense	474,759	39,694	0	409,180	22,231	3,654	0	20
Department of Energy	156,378	997	128,103	4,417	15,397	7,464	0	11
Department of Health and Human Services	368,293	67,573	0	12,114	249,947	35,598	3,061	20
Department of the Interior	89,966	85,162	0	194	3,851	60	699	2
Department of Transportation	19,731	0	9,536	8,191	129	0	1,875	9
Environmental Protection Agency	4,073	114	0	715	2,872	210	162	23
National Aeronautics and Space Administration	150,836	6,593	66	84,299	50,364	9,264	250	10
National Science Foundation	168,903	810	86,826	13,758	63,094	4,415	0	5
Rank	19	17	9	18	17	18	20	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.