

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, 2005	522	27,974	17
Life sciences (%)	25	26	-
Engineering (%)	23	23	-
Physical sciences (%)	15	13	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	1,190	48,601	13
S&E and health graduate students in doctorate-granting institutions, 2005	10,348	527,767	18
Population, 2005 (thousands)	4,665	300,322	22
Civilian labor force, 2005 (thousands)	2,548	150,717	22
Personal income per capita, 2005 (dollars)	37,459	34,495	9
Federal spending			
Total expenditures, 2004 (\$millions)	30,060	2,136,440	26
R&D obligations, 2004 (\$millions)	1,806	98,936	19
Total R&D performance, 2004 (\$millions)	5,497	283,439	16
Industry R&D, 2004 (\$millions)	4,008	201,131	15
Academic R&D, 2005 (\$millions)	826	45,725	18
Life sciences (%)	47	60	-
Environmental sciences (%)	23	6	-
Engineering (%)	12	15	-
SBIR awards, 2000-05	1,646	33,289	5
Utility patents issued to state residents, 2005	1,854	74,630	13
Gross domestic product, 2005 (\$billions)	217	12,492	19

- = 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: Colorado, 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	1,806,218	277,180	218,303	761,557	477,370	58,400	13,408	19
Department of Agriculture	41,113	31,040	0	194	9,849	30	0	18
Department of Commerce	127,415	99,771	660	5,590	21,123	0	271	2
Department of Defense	564,057	47,386	5,097	487,679	23,879	16	0	19
Department of Energy	133,520	1,144	110,915	4,267	13,268	3,926	0	11
Department of Health and Human Services	343,154	10,572	0	12,101	275,440	42,727	2,314	20
Department of Homeland Security	1,484	1,483	0	1	0	0	0	28
Department of the Interior	87,877	84,493	0	216	2,194	0	974	2
Department of Transportation	21,614	47	8,395	10,453	63	115	2,541	6
Environmental Protection Agency	10,542	0	0	1,320	3,307	5,765	150	15
National Aeronautics and Space Administration	296,790	0	0	226,343	63,634	0	6,813	6
National Science Foundation	178,652	1,244	93,236	13,393	64,613	5,821	345	6
Rank	19	12	9	17	16	18	13	-

- = 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.