

Science and engineering profile: Montana

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	2,170	566,330	44
Doctoral engineers, 2003	230 **	118,540	47
S&E doctorates awarded, 2005	59	27,974	44
Life sciences (%)	64	26	-
Physical sciences (%)	12	13	-
Mathematics and computer sciences (%)	10	8	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	155	48,601	37
S&E and health graduate students in doctorate-granting institutions, 2005	1,464	527,767	47
Population, 2005 (thousands)	936	300,322	45
Civilian labor force, 2005 (thousands)	493	150,717	45
Personal income per capita, 2005 (dollars)	28,906	34,495	42
Federal spending			
Total expenditures, 2004 (\$millions)	7,494	2,136,440	47
R&D obligations, 2004 (\$millions)	187	98,936	45
Total R&D performance, 2004 (\$millions)	295	283,439	48
Industry R&D, 2004 (\$millions)	70	201,131	49
Academic R&D, 2005 (\$millions)	171	45,725	42
Life sciences (%)	64	60	-
Physical sciences (%)	11	8	-
Sciences, nec (%)	9	2	-
SBIR awards, 2000-05	180	33,289	28
Utility patents issued to state residents, 2005	101	74,630	44
Gross domestic product, 2005 (\$billions)	30	12,492	49

\*\*Coefficient of variation 25% or greater; - = no value possible; nec = not elsewhere classified; 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: Montana, FY 2004  
(Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State, local governments
All agencies	187,224	61,660	0	38,848	74,157	8,614	3,945	45
Department of Agriculture	30,572	16,038	0	9	11,979	2,546	0	25
Department of Commerce	113	18	0	0	95	0	0	48
Department of Defense	47,199	4,170	0	29,405	13,618	6	0	42
Department of Energy	2,937	0	0	980	1,470	487	0	42
Department of Health and Human Services	72,388	36,131	0	2,425	26,640	5,531	1,661	41
Department of Homeland Security	0	0	0	0	0	0	0	-
Department of the Interior	7,715	5,303	0	47	1,618	0	747	17
Department of Transportation	1,537	0	0	0	0	0	1,537	46
Environmental Protection Agency	70	0	0	70	0	0	0	49
National Aeronautics and Space Administration	8,996	0	0	3,631	5,365	0	0	40
National Science Foundation	15,697	0	0	2,281	13,372	44	0	41
Rank	45	31	-	44	45	35	39	-

- = 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.