

Science and engineering profile: Alaska

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	1,250 *	566,330	49
Doctoral engineers, 2003	80 **	118,540	51
S&E doctorates awarded, 2005	25	27,974	51
Life sciences (%)	48	26	-
Environmental sciences (%)	28	3	-
Engineering (%)	8	23	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	0	48,601	52
S&E and health graduate students in doctorate-granting institutions, 2005	602	527,767	52
Population, 2005 (thousands)	664	300,322	48
Civilian labor force, 2005 (thousands)	339	150,717	50
Personal income per capita, 2005 (dollars)	35,433	34,495	16
Federal spending			
Total expenditures, 2004 (\$millions)	8,445	2,136,440	44
R&D obligations, 2004 (\$millions)	261	98,936	39
Total R&D performance, 2004 (\$millions)	271	283,439	49
Industry R&D, 2004 (\$millions)	35	201,131	50
Academic R&D, 2005 (\$millions)	154	45,725	43
Environmental sciences (%)	49	6	-
Life sciences (%)	20	60	-
Sciences, nec (%)	15	2	-
SBIR awards, 2000-05	22	33,289	51
Utility patents issued to state residents, 2005	35	74,630	51
Gross domestic product, 2005 (\$billions)	39	12,492	47

*Coefficient of variation greater than 10% but less than 25%; **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: Alaska, 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	260,950	80,693	0	69,518	89,087	9,113	12,539	39
Department of Agriculture	19,070	11,907	0	0	6,959	0	204	37
Department of Commerce	18,537	10,645	0	96	7,326	470	0	11
Department of Defense	119,514	39,024	0	56,019	24,471	0	0	33
Department of Energy	10,131	0	0	5,800	4,052	0	279	32
Department of Health and Human Services	21,138	2,537	0	296	8,122	392	9,791	48
Department of Homeland Security	882	0	0	2	0	880	0	29
Department of the Interior	23,173	16,580	0	1,929	2,742	1,836	86	5
Department of Transportation	2,925	0	0	903	201	0	1,821	37
Environmental Protection Agency	808	0	0	0	0	450	358	38
National Aeronautics and Space Administration	15,076	0	0	4,221	10,855	0	0	32
National Science Foundation	29,696	0	0	252	24,359	5,085	0	28
Rank	39	27	-	39	41	34	17	-

- = 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.