

Science and engineering profile: Utah

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	4,450	566,330	32
Doctoral engineers, 2003	1,120 *	118,540	27
S&E doctorates awarded, 2005	290	27,974	28
Engineering (%)	27	23	-
Life sciences (%)	20	26	-
Psychology (%)	19	12	-
S&E and health postdoctorates in doctorate-granting institutions, 2005	367	48,601	26
S&E and health graduate students in doctorate-granting institutions, 2005	5,853	527,767	27
Population, 2005 (thousands)	2,470	300,322	35
Civilian labor force, 2005 (thousands)	1,268	150,717	35
Personal income per capita, 2005 (dollars)	27,497	34,495	47
Federal spending			
Total expenditures, 2004 (\$millions)	13,684	2,136,440	38
R&D obligations, 2004 (\$millions)	682	98,936	26
Total R&D performance, 2004 (\$millions)	1,602	283,439	32
Industry R&D, 2004 (\$millions)	1,089	201,131	29
Academic R&D, 2005 (\$millions)	400	45,725	30
Life sciences (%)	54	60	-
Engineering (%)	23	15	-
Physical sciences (%)	7	8	-
SBIR awards, 2000-05	307	33,289	25
Utility patents issued to state residents, 2005	554	74,630	27
Gross domestic product, 2005 (\$billions)	91	12,492	33

\*Coefficient of variation greater than 10% but less than 25%; -- = 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: Utah, 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	682,146	94,564	0	357,663	222,734	4,388	2,797	26
Department of Agriculture	28,056	17,475	0	0	10,546	0	35	26
Department of Commerce	763	97	0	0	666	0	0	44
Department of Defense	426,117	72,068	0	336,404	17,645	0	0	21
Department of Energy	11,770	106	0	3,052	8,612	0	0	29
Department of Health and Human Services	154,718	700	0	13,152	136,001	3,952	913	28
Department of Homeland Security	1,492	1,492	0	0	0	0	0	27
Department of the Interior	3,335	2,626	0	0	223	0	486	28
Department of Transportation	1,802	0	0	497	50	0	1,255	45
Environmental Protection Agency	666	0	0	225	333	0	108	40
National Aeronautics and Space Administration	21,422	0	0	3,442	17,980	0	0	27
National Science Foundation	32,005	0	0	891	30,678	436	0	26
Rank	26	24	-	20	28	43	43	-

-- = 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.