

## Science and engineering profile: Arizona

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	8,410	620,140	24
S&E doctorates awarded, 2006	507	29,854	19
Engineering (%)	28	24	–
Life sciences (%)	22	26	–
Social sciences (%)	16	14	–
SEH postdoctorates in doctorate-granting institutions, 2006	495	49,201	24
SEH graduate students in doctorate-granting institutions, 2006	8,190	542,073	21
Population, 2007 (thousands)	6,339	305,563	16
Civilian labor force, 2007 (thousands)	3,029	154,046	19
Personal income per capita, 2006 (\$)	31,949	36,629	39
Federal spending			
Total expenditures, 2005 (\$millions)	44,639	2,260,098	18
R&D obligations, 2005 (\$millions)	2,674	106,845	12
Total R&D performance, 2005 (\$millions)	4,139	310,194	20
Industry R&D, 2005 (\$millions)	2,980	222,427	20
Academic R&D, 2006 (\$millions)	765	47,735	20
Life sciences (%)	42	60	–
Physical sciences (%)	22	8	–
Engineering (%)	20	15	–
SBIR awards, 2000–06	727	38,825	15
Utility patents issued to state residents, 2006	1,705	89,820	16
Gross domestic product, 2006 (\$billions)	232	13,235	19

– = no value possible.

S&E = science and engineering; SEH = science, engineering, and health; 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; they do not account for margin of error of estimates from sample surveys. Employed SEH doctorate holders include only recipients of U.S. doctoral degrees. State estimates for employed SEH doctorate holders may have large sampling errors because the source for these data, the Survey of Doctorate Recipients, was not designed to provide a sample for estimates at the state level; these data are classified by the state where the doctorate holder resides, if known; otherwise, data are classified by employer's location.

## Federal obligations for research and development, by agency and performer: Arizona, FY 2005 (Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State, local governments
All agencies	2,674,487	364,984	61,036	1,917,918	294,674	25,736	10,139	12
Department of Agriculture	28,786	19,553	0	0	9,092	50	91	26
Department of Commerce	2,707	244	0	7	2,456	0	0	28
Department of Defense	2,192,228	305,437	60	1,857,697	25,521	154	3,359	8
Department of Energy	8,083	0	0	1,171	5,948	964	0	37
Department of Health and Human Services	194,574	17,170	0	9,985	142,202	23,559	1,658	27
Department of Homeland Security	33,335	15,708	0	17,558	69	0	0	13
Department of the Interior	9,623	6,872	0	41	2,260	0	450	13
Department of Transportation	527	0	0	522	5	0	0	31
Environmental Protection Agency	1,668	0	0	225	1,347	0	96	27
National Aeronautics and Space Administration	78,695	0	0	28,823	45,387	0	4,485	12
National Science Foundation	124,261	0	60,976	1,889	60,387	1,009	0	9
Rank	12	13	12	8	25	28	9	–

– = no value possible.

FFRDC = federally funded research and development center.

NOTES: Federal R&D obligations are as reported by funding agencies. Rankings 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 State Profiles".