

Science and engineering profile: Texas

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	30,000	566,330	3
Doctoral engineers, 2003	9,280	118,540	2
S&E doctorates awarded, 2004	1,595	26,275	3
Life sciences (percent)	28	27	na
Engineering (percent)	27	22	na
Physical sciences (percent)	12	13	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	2,977	46,807	4
S&E and health graduate students in doctorate-granting institutions, 2003	35,951	507,247	3
Population, 2004 (thousands)	22,490	297,550	2
Civilian labor force, 2004 (thousands)	11,035	148,769	2
Personal income per capita, 2004 (dollars)	30,697	33,041	29
Federal spending			
Total expenditures, 2003 (millions of dollars)	140,451	2,024,246	2
R&D obligations, 2003 (millions of dollars)	4,757	91,359	5
Total R&D performance, 2003 (millions of dollars)	14,785	277,577	4
Industry R&D, 2003 (millions of dollars)	11,057	198,244	5
Academic R&D, 2003 (millions of dollars)	2,766	40,055	3
Life sciences (percent)	67	59	na
Engineering (percent)	14	15	na
Physical sciences (percent)	6	8	na
Number of SBIR awards, 1999–2004	1,309	31,847	6
Utility patents issued to state residents, 2004	5,930	84,268	2
Gross state product, 2004 (billions of dollars)	884	11,744	3

na = not applicable.

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. Reliability of estimates of industry R&D and 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: Texas, FY 2003
(Thousands of dollars)

Agency	Total	Performer					State and local government	Rank
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		
All agencies	4,757,023	829,993	167	2,512,050	1,285,766	114,796	14,251	5
Department of Agriculture	84,491	58,629	0	0	25,846	0	16	5
Department of Commerce	11,349	1,378	0	5,995	2,869	675	432	17
Department of Defense	2,604,512	258,640	0	2,236,371	105,596	3,905	0	4
Department of Energy	54,300	0	0	19,751	33,547	1,002	0	16
Department of Health and Human Services	1,326,116	244,731	167	27,443	968,894	82,768	2,113	6
Department of the Interior	12,340	6,128	0	3,708	2,223	79	202	10
Department of Transportation	17,775	0	0	5,643	980	490	10,662	11
Environmental Protection Agency	5,362	75	0	9	4,731	398	149	19
National Aeronautics and Space Administration	530,818	260,412	0	208,806	37,069	24,509	22	4
National Science Foundation	109,960	0	0	4,324	104,011	970	655	10
Rank	5	7	19	3	5	10	3	na

FFRDC = federally funded research and development center.

na = not applicable.

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.