

Science and engineering profile: Wisconsin

Characteristic	State	U.S.	Rank
Doctoral scientists, 2003	8,490	566,330	22
Doctoral engineers, 2003	1,560 *	118,540	23
S&E doctorates awarded, 2004	514	26,275	16
Life sciences (percent)	36	27	na
Engineering (percent)	22	22	na
Social sciences (percent)	15	16	na
S&E and health postdoctorates in doctorate-granting institutions, 2003	631	46,807	22
S&E and health graduate students in doctorate-granting institutions, 2003	8,962	507,247	18
Population, 2004 (thousands)	5,509	297,550	20
Civilian labor force, 2004 (thousands)	3,071	148,769	16
Personal income per capita, 2004 (dollars)	32,063	33,041	22
Federal spending			
Total expenditures, 2003 (millions of dollars)	30,237	2,024,246	24
R&D obligations, 2003 (millions of dollars)	657	91,359	26
Total R&D performance, 2003 (millions of dollars)	3,642	277,577	21
Industry R&D, 2003 (millions of dollars)	2,623	198,244	20
Academic R&D, 2003 (millions of dollars)	881	40,055	13
Life sciences (percent)	65	59	na
Engineering (percent)	12	15	na
Physical sciences (percent)	6	8	na
Number of SBIR awards, 1999–2004	325	31,847	24
Utility patents issued to state residents, 2004	1,658	84,268	17
Gross state product, 2004 (billions of dollars)	212	11,744	19

*Coefficient of variation greater than 10% but less than 25%; 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: Wisconsin, FY 2003
(Thousands of dollars)

Agency	Total	Performer					Rank	
		Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State and local government
All agencies	657,170	125,903	0	53,674	458,130	12,227	7,236	26
Department of Agriculture	48,541	33,609	0	173	14,473	275	11	14
Department of Commerce	6,190	1,799	0	3,066	825	0	500	24
Department of Defense	50,316	366	0	30,436	19,441	73	0	38
Department of Energy	25,170	0	0	0	25,170	0	0	24
Department of Health and Human Services	434,561	79,433	0	15,390	327,921	10,097	1,720	18
Department of the Interior	11,087	10,248	0	8	831	0	0	12
Department of Transportation	3,828	308	0	103	825	0	2,592	29
Environmental Protection Agency	3,485	140	0	0	1,139	0	2,206	24
National Aeronautics and Space Administration	14,596	0	0	2,977	9,837	1,782	0	29
National Science Foundation	59,396	0	0	1,521	57,668	0	207	20
Rank	26	28	na	37	15	33	15	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.