

Science and engineering profile: Ohio

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	20,540	620,140	9
S&E doctorates awarded, 2006	1,197	29,854	7
Engineering (%)	29	24	–
Life sciences (%)	25	26	–
Physical sciences (%)	17	13	–
SEH postdoctorates in doctorate-granting institutions, 2006	972	49,201	16
SEH graduate students in doctorate-granting institutions, 2006	21,263	542,073	8
Population, 2007 (thousands)	11,467	305,563	7
Civilian labor force, 2007 (thousands)	5,977	154,046	7
Personal income per capita, 2006 (\$)	33,217	36,629	29
Federal spending			
Total expenditures, 2005 (\$millions)	77,881	2,260,098	8
R&D obligations, 2005 (\$millions)	2,370	106,845	14
Total R&D performance, 2005 (\$millions)	8,267	310,194	13
Industry R&D, 2005 (\$millions)	5,900	222,427	12
Academic R&D, 2006 (\$millions)	1,636	47,735	9
Life sciences (%)	63	60	–
Engineering (%)	20	15	–
Physical sciences (%)	6	8	–
SBIR awards, 2000–06	1,584	38,825	8
Utility patents issued to state residents, 2006	2,630	89,820	11
Gross domestic product, 2006 (\$billions)	461	13,235	7

– = 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: Ohio, FY 2005 (Thousands of dollars)

Agency	Performer						Rank	
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits		State, local governments
All agencies	2,369,822	594,670	0	799,235	729,969	240,970	4,978	14
Department of Agriculture	28,512	9,412	0	169	18,888	13	30	27
Department of Commerce	6,817	0	0	3,748	1,281	1,114	674	22
Department of Defense	1,143,441	422,515	0	645,940	40,485	34,501	0	14
Department of Energy	35,919	0	0	14,698	13,937	7,284	0	20
Department of Health and Human Services	757,934	16,579	0	31,423	566,137	141,268	2,527	9
Department of Homeland Security	55,104	38,146	0	3,868	0	13,090	0	8
Department of the Interior	2,652	1,844	0	20	409	0	379	34
Department of Transportation	13,129	5,204	0	3,123	1,732	3,070	0	8
Environmental Protection Agency	114,588	100,970	0	11,920	498	950	250	2
National Aeronautics and Space Administration	141,869	0	0	80,838	20,876	39,187	968	8
National Science Foundation	69,857	0	0	3,488	65,726	493	150	19
Rank	14	7	–	18	10	8	22	–

– = 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".