

Science and Engineering Profile: Ohio

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 ¹	18,580	542,940	9	Total R&D performance, 2000 (millions).....	\$7,662	\$244,855	11
Doctoral engineers, 2001 ¹	4,780	112,770	5	Industry R&D, 2000 (millions).....	\$5,962	\$187,544	10
S&E doctorates awarded, 2001 ¹	1,061	25,509	7	Academic R&D, 2001 (millions).....	\$996	\$32,716	11
of which, in engineering.....	27%	22%		of which, in life sciences.....	57%	59%	
in life sciences.....	25%	26%		in engineering.....	22%	15%	
in physical sciences.....	15%	13%		in physical sciences.....	7%	9%	
S&E postdoctorates, 2001 ¹				Public higher education current-fund			
in doctorate-granting institutions.....	942	42,899	13	expenditures, 2000 (millions).....	\$6,011	\$152,068	5
S&E graduate students, 2001 ¹				Number of SBIR awards, 1999-2001.....	513	13,650	8
in doctorate-granting institutions.....	19,052	452,411	8	Utility patents issued to state residents, 2001.....	3,274	87,605	9
Population, 2002 (thousands).....	11,421	292,228	7	Gross state product, 2000 (billions).....	\$373	\$10,003	7
Civilian labor force, 2002 (thousands).....	5,828	146,712	7	of which, agriculture.....	1%	1%	
Personal income per capita, 2001.....	\$28,816	\$30,472	25	manufacturing, mining, construction.....	29%	22%	
Federal spending				transportation, communication, utilities.....	7%	8%	
Total expenditures, 2001 (millions).....	\$61,705	\$1,753,011	8	wholesale and retail trade.....	17%	16%	
R&D obligations, 2001 (millions).....	\$2,327	\$78,006	13	finance, insurance, real estate.....	16%	19%	
				services.....	19%	22%	
				government.....	11%	12%	

¹Data on graduate students, doctoral scientists, doctoral engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health. Data on S&E doctorates awarded do not include health fields.

NOTES: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

Federal Obligations for Research and Development by Agency and Performer: Ohio, Fiscal Year 2001

Agency	Performer							State rank, total
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	
	[In thousands of dollars]							
Total, all agencies.....	2,326,954	906,451	0	685,198	534,966	193,898	6,441	13
Department of Agriculture.....	25,143	9,205	0	8	15,915	0	15	30
Department of Commerce.....	5,941	0	0	1,327	426	4,188	0	23
Department of Defense.....	1,308,041	648,115	0	553,971	70,971	34,984	0	9
Department of Energy.....	20,031	0	0	7,048	12,696	287	0	26
Dept. of Health & Human Services.....	535,009	36,485	0	17,826	355,253	124,786	659	10
Department of the Interior.....	3,326	2,729	0	0	226	0	371	33
Department of Transportation.....	21,258	9,979	0	3,331	1,554	2,263	4,131	8
Environmental Protection Agency.....	57,705	37,730	0	15,269	2,808	1,773	125	2
National Aeronautics and Space Admin....	290,773	162,208	0	81,223	20,850	25,352	1,140	6
National Science Foundation.....	59,727	0	0	5,195	54,267	265	0	17
State rank, total.....	13	5	na	13	10	8	22	na

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; 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".