

Science and engineering profile: Iowa

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	4,890	620,140	32
S&E doctorates awarded, 2006	402	29,854	23
Life sciences (%)	32	26	–
Engineering (%)	28	24	–
Physical sciences (%)	14	13	–
SEH postdoctorates in doctorate-granting institutions, 2006	544	49,201	23
SEH graduate students in doctorate-granting institutions, 2006	5,479	542,073	29
Population, 2007 (thousands)	2,988	305,563	31
Civilian labor force, 2007 (thousands)	1,661	154,046	30
Personal income per capita, 2006 (\$)	33,017	36,629	31
Federal spending			
Total expenditures, 2005 (\$millions)	20,345	2,260,098	35
R&D obligations, 2005 (\$millions)	448	106,845	31
Total R&D performance, 2005 (\$millions)	1,669	310,194	33
Industry R&D, 2005 (\$millions)	1,039	222,427	32
Academic R&D, 2006 (\$millions)	573	47,735	25
Life sciences (%)	68	60	–
Engineering (%)	15	15	–
Physical sciences (%)	5	8	–
SBIR awards, 2000–06	101	38,825	40
Utility patents issued to state residents, 2006	666	89,820	27
Gross domestic product, 2006 (\$billions)	124	13,235	30

– = 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: Iowa, 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	447,661	45,623	21,960	88,467	280,937	7,096	3,578	31
Department of Agriculture	69,763	43,950	0	0	25,743	70	0	7
Department of Commerce	605	55	0	10	540	0	0	44
Department of Defense	93,237	155	131	82,200	10,751	0	0	36
Department of Energy	33,226	0	21,829	2,979	4,422	3,996	0	22
Department of Health and Human Services	202,038	2	0	1,110	195,092	2,932	2,902	26
Department of Homeland Security	0	0	0	0	0	0	0	–
Department of the Interior	2,139	1,461	0	0	307	0	371	42
Department of Transportation	3,230	0	0	45	2,890	0	295	17
Environmental Protection Agency	108	0	0	0	0	98	10	42
National Aeronautics and Space Administration	9,821	0	0	1,084	8,737	0	0	36
National Science Foundation	33,494	0	0	1,039	32,455	0	0	25
Rank	31	40	16	32	26	37	28	–

– = 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".