Science and engineering profile: Maryland

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	26,160	620,140	6
S&E doctorates awarded, 2006	840	29,854	11
Life sciences (%)	27	26	–
Engineering (%)	23	24	–
Social sciences (%)	17	14	–
SEH postdoctorates in doctorate-granting institutions, 2006	1,710	49,201	7
SEH graduate students in doctorate-granting institutions, 2006	14,071	542,073	13
Population, 2007 (thousands)	5,618	305,563	19
Civilian labor force, 2007 (thousands)	2,980	154,046	20
Personal income per capita, 2006 ($)	43,774	36,629	6
Federal spending			
Total expenditures, 2005 ($millions)	66,720	2,260,098	9
R&D obligations, 2005 ($millions)	12,211	106,845	2
Total R&D performance, 2005 ($millions)	14,136	310,194	6
Industry R&D, 2005 ($millions)	3,706	222,427	18
Academic R&D, 2006 ($millions)	2,530	47,735	4
Life sciences (%)	51	60	–
Engineering (%)	23	15	–
Physical sciences (%)	8	8	–
SBIR awards, 2000–06	1,940	38,825	4
Utility patents issued to state residents, 2006	1,410	89,820	21
Gross domestic product, 2006 ($billions)	258	13,235	15

– = 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 classifed by employer's location.

Federal obligations for research and development, by agency and performer: Maryland, FY 2005

(Thousands of dollars)

		Performer						
Agency	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State, local governments	Rank
All agencies	12,211,434	7,486,205	350,858	2,457,672	1,453,509	252,187	211,003	2
Department of Agriculture	161,180	146,687	0	0	13,818	675	0	2
Department of Commerce	419,993	385,408	0	6,877	25,156	2,029	523	1
Department of Defense	3,299,555	1,677,840	1,215	1,311,140	282,022	27,338	0	4
Department of Energy	26,743	3,617	0	4,241	14,537	4,348	0	24
Department of Health and Human Services	7,016,041	5,167,940	349,643	519,822	816,582	160,956	1,098	1
Department of Homeland Security	166,885	80,213	0	84,026	583	2,063	0	2
Department of the Interior	14,214	13,077	0	650	289	25	173	6
Department of Transportation	13,437	5,602	0	6,336	1,085	414	0	6
Environmental Protection Agency	4,447	0	0	0	4,377	0	70	18
National Aeronautics and Space Administration	992,892	0	0	521,532	220,151	42,070	209,139	3
National Science Foundation	96,047	5,821	0	3,048	74,909	12,269	0	13
Rank	2	1	7	5	4	6	1	–

– = 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".