

## Science and Engineering Profile: Hawaii

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 2001 <sup>1</sup> .....	2,550	542,940	39	Total R&D performance, 2000 (millions).....	\$291	\$244,855	46
Doctoral engineers, 2001 <sup>1</sup> .....	310	112,770	44	Industry R&D, 2000 (millions).....	\$44	\$187,544	47
S&E doctorates awarded, 2001 <sup>1</sup> .....	107	25,509	39	Academic R&D, 2001 (millions).....	\$157	\$32,716	38
of which, in social sciences.....	38%	16%		of which, in life sciences.....	37%	59%	
in life sciences.....	27%	26%		in environmental sciences.....	30%	6%	
in psychology.....	10%	13%		in physical sciences.....	17%	9%	
S&E postdoctorates, 2001 <sup>1</sup>				Public higher education current-fund			
in doctorate-granting institutions.....	69	42,899	42	expenditures, 2000 (millions).....	\$679	\$152,068	40
S&E graduate students, 2001 <sup>1</sup>				Number of SBIR awards, 1999-2001.....	62	13,650	30
in doctorate-granting institutions.....	1,655	452,411	43	Utility patents issued to state residents, 2001.....	95	87,605	47
Population, 2002 (thousands).....	1,245	292,228	43	Gross state product, 2000 (billions).....	\$42	\$10,003	41
Civilian labor force, 2002 (thousands).....	582	146,712	43	of which, agriculture.....	1%	1%	
Personal income per capita, 2001.....	\$29,002	\$30,472	22	manufacturing, mining, construction.....	8%	22%	
Federal spending				transportation, communication, utilities.....	10%	8%	
Total expenditures, 2001 (millions).....	\$9,722	\$1,753,011	40	wholesale and retail trade.....	15%	16%	
R&D obligations, 2001 (millions).....	\$293	\$78,006	38	finance, insurance, real estate.....	22%	19%	
				services.....	22%	22%	
				government.....	21%	12%	

<sup>1</sup>Data 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: Hawaii, 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.....	293,122	70,254	0	87,718	93,540	37,619	3,991	38
Department of Agriculture.....	27,862	14,375	0	0	7,517	5,923	47	27
Department of Commerce.....	24,449	16,527	0	2,197	4,966	0	759	9
Department of Defense.....	124,365	31,554	0	72,429	12,482	7,900	0	31
Department of Energy.....	3,580	0	0	0	3,001	579	0	40
Dept. of Health & Human Services.....	57,992	12	0	12,347	33,834	9,257	2,542	39
Department of the Interior.....	7,837	6,835	0	0	1,002	0	0	16
Department of Transportation.....	642	0	0	0	0	0	642	50
Environmental Protection Agency.....	416	0	0	0	416	0	0	44
National Aeronautics and Space Admin....	27,432	951	0	355	12,561	13,564	1	19
National Science Foundation.....	18,547	0	0	390	17,761	396	0	35
State rank, total.....	38	30	na	32	36	18	34	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".