

2018 NSF HERD Survey Competitive Analysis

Knowledge Enterprise Analytics

Research Expenditures Reported in Thousands

	ASU Ranking			ASU Expenditures		
	2018	2017	Change	2018	2017	Change
Overall Ranking Categories						
All Institutions	41	44	3	617,717	545,016	72,701
All Institutions excluding Medical School Research Expenditures	20	21	1	617,717	545,016	72,701
All Institutions without a Medical School	7	8	1	617,717	545,016	72,701
Public Institutions	24	27	3	617,717	545,016	72,701
Public Institutions excluding Medical School Research Expenditures	16	17	1	617,717	545,016	72,701
Public Institutions without a Medical School	6	7	1	617,717	545,016	72,701
PAC12 and Big Ten Institutions	17	18	1	617,717	545,016	72,701
PAC12 and Big Ten Institutions excluding Medical School Research Expenditures	11	11	0	617,717	545,016	72,701
NSF HERD Survey Sponsor Categories						
Federal	54	58	4	254,384	227,621	26,763
National Science Foundation (NSF)	21	22	1	66,228	61,915	4,313
Department of Health and Human Services (including NIH)	78	81	3	71,375	66,196	5,179
Department of Health and Human Services (including NIH) - Institutions without a Medical School	7	8	1	71,375	66,196	5,179
Department of Defense (DOD)	52	44	-8	25,688	28,071	-2,383
National Aeronautics and Space Administration (NASA)	5	8	3	51,606	33,576	18,030
Department of Energy (DOE)	33	28	-5	15,601	17,750	-2,149
US Department of Agriculture (USDA)	90	92	2	1,630	1,527	103
Other Federal	39	50	11	22,256	18,586	3,670
Business	75	68	-7	15,225	16,587	-1,362
Nonprofit	32	48	16	47,930	30,549	17,381
State and Local Government	39	39	0	32,714	31,895	819
Institutional	15	18	3	239,612	209,033	30,579
Other Sources	21	21	0	27,852	29,331	-1,479
Foreign Sources	38	37	-1	6,822	6,978	-156
NSF HERD Survey Disciplines						
Computer and Information Sciences	29	30	1	18,967	16,328	2,639
Engineering	19	18	-1	142,175	135,169	7,006
Aerospace, Aeronautical, and Astronautical Engineering	119	112	-7	15	5	10
Bioengineering and Biomedical Engineering	30	26	-4	13,769	15,127	-1,358
Chemical Engineering	75	77	2	4,175	3,734	441
Civil Engineering	16	14	-2	21,898	20,585	1,313
Electrical, Electronic, and Communications Engineering	8	9	1	51,809	51,702	107
Industrial and Manufacturing Engineering	35	36	1	2,101	2,081	20
Mechanical Engineering	45	54	9	8,584	7,278	1,306
Metallurgical and Materials Engineering	49	33	-16	4,672	7,914	-3,242
Other Engineering	13	18	5	35,152	26,743	8,409
Geosciences, Atmospheric Sciences, and Ocean Sciences	7	12	5	82,299	53,751	28,548
Geological and Earth Sciences	1	2	1	82,299	53,751	28,548
Life Sciences	97	101	4	125,014	106,171	18,843
Biological and Biomedical Sciences	44	51	7	96,535	82,329	14,206
Health Sciences	104	120	16	26,836	20,346	6,490
Natural Resources and Conservation	168	96	-72	21	257	-236
Other Life Sciences	75	68	-7	1,622	3,239	-1,617
Mathematics and Statistics	29	34	5	6,571	5,915	656
Physical Sciences	57	54	-3	24,779	26,376	-1,597
Chemistry	54	42	-12	11,314	12,588	-1,274
Physics	45	42	-3	12,359	12,970	-611
Other Physical Sciences	42	43	1	1,106	818	288
Psychology	10	13	3	19,187	18,374	813
Social Sciences	4	4	0	80,110	69,971	10,139
Anthropology	1	1	0	16,089	13,045	3,044
Economics	14	12	-2	7,234	7,106	128
Political Science and Government	5	5	0	15,386	14,833	553
Sociology, Demography and Population Studies	21	21	0	7,344	7,214	130
Other Social Sciences	6	7	1	34,057	27,773	6,284
Transdisciplinary, Multidisciplinary and Other Sciences	2	3	1	60,289	52,260	8,029
Non Science and Engineering	16	13	-3	58,326	60,701	-2,375
Business Management and Business Administration	19	18	-1	10,562	10,395	167
Communications and Communications Technologies	13	20	7	4,118	2,956	1,162
Education	23	12	-11	16,615	22,310	-5,695
Humanities	5	5	0	14,715	14,983	-268
Law	16	23	7	3,936	2,572	1,364
Social Work	16	20	4	5,560	3,177	2,383
Visual and Performing Arts	12	19	7	2,820	1,744	1,076