

Table SURD-2

Federal share of current funding for research equipment at academic institutions, by R&D field: FY 2004–19

(Percent)

Field	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All fields	61.9	62.6	59.6	58.0	56.4	54.4	62.9	62.4	55.9	54.9	44.6	46.5	44.5	45.5	43.7	43.8
Science	63.4	64.1	60.2	58.1	56.3	54.1	65.2	65.9	58.3	59.7	49.2	48.6	46.4	47.8	44.1	46.7
Computer and information sciences	80.5	79.3	72.5	70.1	78.2	76.3	71.0	73.4	67.6	86.4	68.8	75.1	54.1	61.5	60.4	54.7
Geosciences, atmospheric sciences, and ocean sciences	74.3	77.0	73.3	74.3	69.8	65.3	76.7	69.9	70.1	66.2	65.2	65.6	62.6	63.8	57.9	63.9
Atmospheric science and meteorology	80.1	88.3	87.7	87.7	84.6	75.0	82.7	79.0	83.6	83.9	79.6	80.9	85.2	92.0	76.9	70.9
Geological and earth sciences	67.1	67.6	64.1	64.4	53.6	61.2	68.3	66.4	68.2	63.2	60.2	56.4	51.4	54.7	46.2	46.9
Ocean sciences and marine sciences	79.5	79.0	68.4	74.8	74.7	66.6	80.2	66.2	60.4	63.3	66.3	74.0	67.1	58.7	63.6	76.8
Geosciences, atmospheric sciences, and ocean sciences nec	73.2	80.4	78.5	61.6	57.4	61.4	82.3	76.4	75.5	60.3	55.2	44.9	43.5	40.1	48.7	60.5
Life sciences	60.7	61.7	56.5	53.1	48.6	47.7	62.7	63.2	50.3	46.6	37.4	36.3	36.2	35.8	35.3	38.9
Agricultural sciences	39.5	42.5	36.1	30.1	27.4	27.8	30.8	38.5	34.0	31.1	24.0	25.9	23.3	20.3	20.4	23.1
Biological and biomedical sciences	63.2	62.5	59.5	56.0	53.7	56.4	70.9	67.8	54.1	52.6	43.0	40.5	41.1	41.1	41.3	46.0
Health sciences	62.7	66.4	58.2	53.7	49.6	44.9	61.7	62.9	50.0	44.7	36.9	38.2	35.7	35.4	33.1	35.2
Natural resources and conservation	na	na	na	na	na	na	na	na	na	na	na	na	35.7	30.8	18.7	30.1
Life sciences nec	60.9	47.9	58.1	71.0	56.2	48.5	56.4	66.2	57.2	45.8	28.0	21.7	25.3	21.4	29.3	28.1
Mathematics and statistics	72.9	75.4	69.2	74.8	68.7	63.4	66.5	64.7	68.7	68.8	51.1	55.3	50.7	50.8	49.3	54.5
Physical sciences	68.1	69.5	67.1	69.4	70.0	63.9	75.6	77.2	75.9	70.3	67.6	66.1	64.7	69.2	59.1	63.4
Astronomy and astrophysics	79.5	77.3	82.0	83.5	77.6	69.7	78.5	78.3	83.4	76.4	59.3	45.2	55.5	64.4	51.6	58.7
Chemistry	66.0	70.9	65.0	64.5	62.5	60.2	69.5	72.7	68.5	58.8	51.3	56.0	54.6	57.4	45.3	56.2
Materials science	na	na	na	na	na	na	na	na	na	na	na	na	45.3	63.5	56.7	60.9
Physics	71.4	73.1	73.0	76.2	78.8	66.1	81.6	81.6	80.9	77.7	79.8	78.0	73.6	79.0	73.0	72.5
Physical sciences nec	52.6	39.2	40.1	37.2	47.6	64.4	74.4	69.7	75.8	70.5	60.2	60.9	62.3	49.6	28.7	39.4
Psychology	71.7	63.1	68.5	61.1	58.6	60.4	70.6	73.5	69.1	38.6	46.8	57.1	51.3	39.3	50.6	48.1
Social sciences	41.1	35.3	34.1	54.5	57.9	66.9	45.8	48.9	46.2	41.6	29.7	25.4	23.7	16.2	16.4	24.0
Anthropology	na	na	na	na	na	na	na	na	na	na	na	na	44.0	25.9	33.3	18.0
Economics	34.5	39.7	29.7	39.9	37.7	22.5	44.9	31.7	49.6	71.7	28.9	7.7	8.4	6.7	5.3	7.7
Political science and government	71.8	56.9	54.2	49.2	30.9	41.3	50.9	41.2	46.7	41.2	38.0	24.1	13.0	11.8	26.1	29.1
Sociology, demography, and population studies	48.2	37.7	29.1	52.7	58.1	75.2	56.1	56.6	42.8	28.7	25.8	37.9	27.9	17.1	21.0	29.9
Social sciences nec	34.7	31.0	34.0	56.7	62.8	70.2	43.6	52.2	46.3	34.0	30.8	26.5	31.4	19.0	14.9	25.8
Sciences nec	20.1	25.6	32.5	25.9	30.3	24.6	20.2	28.3	27.2	32.2	33.3	18.9	25.8	25.2	21.1	21.9
Engineering	56.4	57.6	57.7	57.5	56.5	55.2	58.0	56.1	52.8	45.7	36.5	43.7	41.3	41.2	44.5	39.6
Aerospace, aeronautical, and astronautical	71.9	67.5	62.7	65.9	72.1	62.3	53.2	56.6	56.3	40.3	40.4	48.1	60.2	61.7	53.8	55.6
Bioengineering and biomedical	53.0	43.5	46.1	50.2	53.1	53.7	61.0	53.7	43.5	41.9	50.2	43.9	41.8	47.2	41.2	45.0
Chemical	32.4	53.9	57.7	50.9	46.6	44.6	50.0	55.0	45.8	31.1	41.3	45.8	44.7	33.8	37.8	36.4
Civil	60.9	58.0	46.1	47.7	49.5	40.8	43.2	39.0	37.1	29.4	36.1	41.3	35.4	35.0	33.9	35.4
Electrical, electronic, and communications	69.1	66.7	66.5	66.4	63.4	59.3	67.1	63.8	64.5	57.9	61.6	62.5	59.2	57.9	59.0	58.7
Industrial and manufacturing	na	na	na	na	na	na	na	na	na	na	na	na	69.2	49.8	67.6	71.1

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(Percent)

Field	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mechanical	65.9	69.7	77.8	72.3	61.9	64.8	55.9	61.5	58.1	53.5	51.6	53.5	45.2	47.7	49.1	52.7
Metallurgical and materials	65.1	66.1	58.3	65.2	61.7	54.8	58.8	55.7	52.1	45.1	13.8	20.1	49.0	52.5	59.4	56.1
Engineering nec	45.2	40.3	36.9	37.7	43.5	52.8	60.2	51.3	46.4	41.6	45.5	38.8	22.2	18.4	22.7	14.5
Non-S&E	na	na	na	na	na	na	28.6	27.2	24.4	26.2	23.0	16.2	19.2	18.9	17.6	11.8
Business management and business administration	na	na	na	na	na	na	14.8	37.2	18.4	8.8	9.7	2.9	2.7	4.8	7.1	2.8
Communication and communications technologies	na	na	na	na	na	na	12.1	3.2	6.1	40.4	20.1	17.9	14.4	28.1	6.6	3.5
Education	na	na	na	na	na	na	65.7	70.1	46.8	60.4	63.8	33.6	25.7	34.9	20.5	26.9
Humanities	na	na	na	na	na	na	10.4	11.1	18.5	21.3	6.2	7.1	1.6	1.4	30.2	0.6
Law	na	na	na	na	na	na	4.0	82.4	18.9	42.3	9.3	14.8	38.1	33.9	10.1	34.6
Social work	na	na	na	na	na	na	19.6	75.2	56.6	55.5	45.2	14.5	50.4	35.8	32.7	8.1
Visual and performing arts	na	na	na	na	na	na	1.6	10.1	57.7	9.4	19.9	14.7	11.2	9.9	15.1	9.5
Non-S&E nec	na	na	na	na	na	na	34.4	16.8	26.3	23.3	16.5	19.5	25.4	19.5	18.3	15.5

na = not applicable; separate data for natural resources and conservation, materials science, anthropology, and industrial and manufacturing engineering were not collected before FY 2016, and capitalized equipment expenditures in non-S&E fields were not collected before FY 2010.

nec = not elsewhere classified.

Note(s):

Because of rising capitalization thresholds, the dollar threshold for inclusion in the equipment category has changed over time. Generally, university equipment that costs less than \$5,000 would be classified under the cost category of "supplies."

Source(s):

National Center for Science and Engineering Statistics, Survey of R&D Expenditures at Universities and Colleges, and Higher Education Research and Development Survey (HERD).

Science and Engineering Indicators