

TABLE 81. Federal obligations for basic research performed at universities and colleges in engineering, by selected agency and detailed field: FY 2011

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Other engineering
All agencies surveyed	1,454,761.5	77,611.0	8,812.4	134,663.4	137,506.7	189,505.0	51,541.6	231,465.2	623,656.3
Departments									
Department of Agriculture	12,623.7	0.0	0.0	351.5	53.4	30.5	38.1	0.0	12,150.3
Agricultural Research Service	343.0	0.0	0.0	171.5	53.4	30.5	38.1	0.0	49.5
Forest Service	2,468.7	0.0	0.0	180.0	0.0	0.0	0.0	0.0	2,288.7
National Institute of Food and Agriculture	9,812.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9,812.0
Department of Defense	383,393.6	40,783.2	0.0	15,963.6	2,334.6	112,556.3	43,373.2	53,006.8	115,375.8
Defense Advanced Research Projects Agency	109,751.7	0.0	0.0	0.0	0.0	21,700.0	0.0	11,666.0	76,385.7
Department of the Air Force	83,460.0	25,540.6	0.0	0.0	0.0	31,867.4	9,972.9	0.0	16,079.2
Department of the Army	67,557.1	8,357.8	0.0	1,235.3	473.0	22,256.5	14,394.6	20,674.2	165.7
Department of the Navy	98,753.9	2,000.7	0.0	12,571.2	241.6	28,934.5	15,676.9	18,113.2	21,215.8
Other defense agencies ^a	23,870.9	4,884.2	0.0	2,157.1	1,619.9	7,798.0	3,328.8	2,553.4	1,529.5
Department of Energy	25,696.4	0.0	0.0	0.0	0.0	556.8	70.0	24,989.6	80.0
Bonneville Power Administration	300.0	0.0	0.0	0.0	0.0	150.0	70.0	0.0	80.0
Electricity Delivery and Energy Reliability	406.8	0.0	0.0	0.0	0.0	406.8	0.0	0.0	0.0
Office of Science	24,989.6	0.0	0.0	0.0	0.0	0.0	0.0	24,989.6	0.0
Department of Health and Human Services	387,386.0	0.0	0.0	0.0	0.0	0.0	0.0	16,987.8	370,398.3
National Institutes of Health	387,386.0	0.0	0.0	0.0	0.0	0.0	0.0	16,987.8	370,398.3
Department of Homeland Security	5,534.2	0.0	0.0	0.0	0.0	2,752.8	0.0	64.9	2,716.5
Science and Technology Directorate	5,534.2	0.0	0.0	0.0	0.0	2,752.8	0.0	64.9	2,716.5
Other agencies									
National Aeronautics and Space Administration	58,133.8	36,827.7	8,812.4	405.3	36.1	1,780.5	1,243.7	2,057.9	6,970.1
National Science Foundation	581,993.8	0.0	0.0	117,943.0	135,082.7	71,828.1	6,816.6	134,358.2	115,965.3

^a As of the FYs 2011–13 survey, Other defense agencies displays aggregated data of Department of Defense subagencies engaged in classified R&D projects.

NOTES: Because of rounding, detail may not add to total. Seven agencies are required to report data for this section of the survey: the Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; the National Aeronautics and Space Administration; and the National Science Foundation. Basic research obligations of these seven agencies represented over 99% of total federal basic research obligations to universities and colleges in FY 2011. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. See appendix C for additional notes associated with the agencies listed in this table.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2011–13.