



TABLE 80

**Federal obligations for applied research performed at universities and colleges in engineering, by selected agency and detailed field: FY 2019**

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Other engineering
Office of Cybersecurity, Energy Security, and Emergency Response	3,500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,500.0
Department of Health and Human Services	488,660.7	0.0	0.0	0.0	0.0	0.0	0.0	6,312.2	482,348.5
Agency for Healthcare Research and Quality	433.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	433.0
National Institutes of Health	488,227.7	0.0	0.0	0.0	0.0	0.0	0.0	6,312.2	481,915.5
Other agencies									
National Aeronautics and Space Administration	81,654.2	38,178.7	6,392.0	0.0	0.0	0.0	0.0	34.9	37,048.6
National Science Foundation	148,016.4	0.0	0.0	12,646.9	977.6	20,816.9	12,353.7	2,345.5	98,875.9

**Note(s):**

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. Applied research obligations of these seven agencies represented more than 95% of total federal applied research obligations to universities and colleges in FY 2019. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. See technical table A-2 for additional notes associated with the agencies listed in this table.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2019–20.