

TABLE 30. Federal obligations for basic research, by detailed field of science and engineering: FYs 2010–12
(Dollars in thousands)

| Field | 2010 | Preliminary | |
|---|--------------|--------------|--------------|
| | | 2011 | 2012 |
| All fields | 31,795,342.2 | 29,060,799.6 | 30,664,782.9 |
| Environmental sciences | 1,787,449.0 | 1,708,405.2 | 1,922,064.6 |
| Atmospheric sciences | 596,921.4 | NA | NA |
| Geological sciences | 332,647.5 | NA | NA |
| Oceanography | 471,602.5 | NA | NA |
| Environmental sciences, nec | 386,277.6 | NA | NA |
| Life sciences | 17,748,296.6 | 15,671,656.7 | 16,191,959.5 |
| Agricultural sciences | 571,446.8 | NA | NA |
| Biological sciences (excluding environmental biology) | 9,417,427.8 | NA | NA |
| Environmental biology | 435,444.7 | NA | NA |
| Medical sciences | 5,786,872.5 | NA | NA |
| Life sciences, nec | 1,537,104.8 | NA | NA |
| Mathematics and computer sciences | 1,663,228.9 | 1,592,442.0 | 1,849,284.5 |
| Computer sciences | 873,594.2 | NA | NA |
| Mathematics | 716,592.4 | NA | NA |
| Mathematics and computer sciences, nec | 73,042.3 | NA | NA |
| Physical sciences | 3,984,100.1 | 3,734,116.4 | 4,083,613.2 |
| Astronomy | 504,201.6 | NA | NA |
| Chemistry | 827,746.2 | NA | NA |
| Physics | 2,377,040.2 | NA | NA |
| Physical sciences, nec | 275,112.2 | NA | NA |
| Psychology | 1,129,203.8 | 993,293.0 | 1,008,976.6 |
| Biological aspects | 10,055.6 | NA | NA |
| Social aspects | 18,357.9 | NA | NA |
| Psychological sciences, nec | 1,100,790.3 | NA | NA |
| Social sciences | 358,917.7 | 378,414.6 | 377,009.5 |
| Anthropology | 24,311.2 | NA | NA |
| Economics | 44,396.7 | NA | NA |
| Political science | 9,587.1 | NA | NA |
| Sociology | 29,530.7 | NA | NA |
| Social sciences, nec | 251,092.1 | NA | NA |
| Other sciences, nec | 1,633,018.0 | 1,464,989.0 | 1,554,319.9 |
| Engineering | 3,491,128.0 | 3,517,482.8 | 3,677,555.1 |
| Aeronautical engineering | 151,274.6 | NA | NA |
| Astronautical engineering | 31,555.3 | NA | NA |
| Chemical engineering | 142,745.8 | NA | NA |
| Civil engineering | 155,208.8 | NA | NA |
| Electrical engineering | 294,951.2 | NA | NA |
| Mechanical engineering | 80,306.6 | NA | NA |
| Metallurgy and materials engineering | 1,091,406.4 | NA | NA |
| Engineering, nec | 1,543,679.3 | NA | NA |

NA = not available; data collected for this table were not recorded at that level in that particular fiscal year.

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development: FYs 2010–12.