

TABLE A-8. Imputed amounts for federally financed R&D expenditures at universities and colleges, by science and engineering field: FY 2009

(Dollars in millions)

| Science and engineering field | All separately budgeted federal R&D expenditures | Imputed amount | Imputed amount as % of total |
|--|--|----------------|------------------------------|
| All science and engineering | 32,588 | 35 | 0.1 |
| Computer sciences | 1,107 | 1 | 0.1 |
| Environmental sciences | 1,899 | 9 | 0.5 |
| Atmospheric sciences | 324 | 9 | 2.9 |
| Earth sciences | 648 | 5 | 0.8 |
| Oceanography | 713 | 22 | 3.1 |
| Environmental sciences, nec | 213 | 20 | 9.3 |
| Life sciences | 19,326 | 27 | 0.1 |
| Agricultural sciences | 866 | 4 | 0.4 |
| Biological sciences | 6,622 | 20 | 0.3 |
| Medical sciences | 11,058 | 2 | 0.0 |
| Life sciences, nec | 779 | 0 | 0.0 |
| Mathematical sciences | 369 | 0 | 0.1 |
| Physical sciences | 2,964 | 8 | 0.3 |
| Astronomy | 389 | 0 | 0.1 |
| Chemistry | 1,037 | 4 | 0.4 |
| Physics | 1,361 | 3 | 0.2 |
| Physical sciences, nec | 177 | 0 | 0.0 |
| Psychology | 659 | 6 | 0.8 |
| Social sciences | 852 | 2 | 0.2 |
| Economics | 121 | 1 | 0.5 |
| Political sciences | 137 | 0 | 0.1 |
| Sociology | 202 | 2 | 0.7 |
| Social sciences, nec | 392 | 3 | 0.9 |
| Sciences, nec | 377 | 2 | 0.4 |
| Engineering | 5,036 | 7 | 0.1 |
| Aeronautical/astronautical engineering | 431 | 77 | 17.8 |
| Bioengineering/biomedical engineering | 385 | 20 | 5.3 |
| Chemical engineering | 360 | 15 | 4.1 |
| Civil engineering | 401 | 11 | 2.7 |
| Electrical engineering | 1,200 | 195 | 16.2 |
| Mechanical engineering | 801 | 138 | 17.3 |
| Metallurgical/materials engineering | 389 | 1 | 0.2 |
| Engineering, nec | 1,068 | 216 | 20.3 |

nec = not elsewhere classified.

NOTES: Imputation rate at total level is lower than imputation rates at science and engineering field levels because many institutions could provide totals but not science and engineering field details. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2009.