

Table II-7. NSF R&amp;D

**Table II-7.** R&D in the National Science Foundation  
(budget authority in millions of dollars) \*

	FY 1999	FY 2000	FY 2001	Change FY 00-01	
	Actual	Estimate	Budget	Amount	Percent
<b>1. Research and Related Activities (R&amp;RA)</b>					
Mathematical and Physical Sciences (MPS)					
Mathematical Sciences	101	106	<b>130</b>	24	22.5%
Astronomical Sciences	119	123	<b>140</b>	17	13.7%
Physics	163	168	<b>199</b>	30	18.0%
Chemistry	135	139	<b>162</b>	23	16.5%
Materials Research	186	191	<b>221</b>	29	15.4%
Multidisciplinary Activities	30	30	<b>30</b>	0	0.2%
Total MPS	734	758	<b>881</b>	124	16.3%
Engineering (ENG)					
Bioengineering & Env. Sys.	32	34	<b>42</b>	8	22.7%
Chemical & Transport Systems Design, Manufacture, & Industrial Innovation	42	44	<b>54</b>	10	22.7%
Electrical & Commun. Sys.	104	109	<b>133</b>	24	22.2%
Engineering Edu. & Centers	43	45	<b>59</b>	14	29.8%
Civil & Mechanical Systems	101	101	<b>112</b>	11	11.0%
Total ENG	48	48	<b>56</b>	8	16.5%
Total ENG	370	382	<b>457</b>	75	19.6%
Biological Sciences (BIO)					
Molecular and Cellular Bioscis.	101	105	<b>133</b>	28	26.5%
Integrative Biology & Neurosci.	91	95	<b>120</b>	25	26.5%
Environmental Biology	86	90	<b>119</b>	29	32.7%
Biological Infrastructure	64	65	<b>79</b>	14	22.1%
Plant Genome Research	50	60	<b>60</b>	0	0.0%
Total BIO	392	414	<b>511</b>	97	23.3%
Geosciences (GEO)					
Atmospheric Sciences	165	165	<b>194</b>	29	17.7%
Earth Sciences	99	102	<b>119</b>	17	16.6%
Ocean Sciences	214	221	<b>270</b>	49	22.2%
Total GEO	478	488	<b>583</b>	95	19.5%
Computer and Information Science and Engineering (CISE)					
Computer-Communications Res	60	60	<b>69</b>	9	15.0%
Information and Intelligent Sys.	41	42	<b>54</b>	12	29.0%
Experimental and Integrative Activities	58	58	<b>63</b>	6	9.9%
(continued)					

Table II-7. NSF R&amp;D

**Table II-7 (continued).** R&D in the National Science Foundation  
(budget authority in millions of dollars) \*

	FY 1999	FY 2000	FY 2001	Change FY 00-01	
	Actual	Estimate	Budget	Amount	Percent
Adv. Networking Infra. and Res.	61	61	<b>69</b>	8	12.9%
Adv. Compu. Infra. and Res.	78	78	<b>84</b>	6	7.7%
Information Tech. Research	0	90	<b>190</b>	100	111.1%
Total CISE	299	388	<b>529</b>	141	36.2%
Social, Behavioral, and Economic Sciences (SBE)					
Social & Economic Scis.	60	61	<b>72</b>	11	18.0%
Behavioral & Cognitive Scis.	40	45	<b>59</b>	14	30.7%
Int'l. Coop. Sci. Activities	27	25	<b>27</b>	2	8.3%
Science Resources Studies	14	15	<b>17</b>	2	13.7%
Total SBE	142	146	<b>175</b>	29	19.8%
US Polar Programs					
Polar Research Programs	183	190	<b>223</b>	32	17.0%
Antarctic Logistical Support	63	63	<b>63</b>	0	0.0%
Total Polar Programs	246	253	<b>285</b>	32	12.8%
Integrative Activities	162	129	<b>119</b>	-10	-7.7%
BA Adjustment *	-48	0	<b>0</b>	0	--
<b>Total R&amp;RA *</b>	<b>2,774</b>	<b>2,958</b>	<b>3,541</b>	<b>582</b>	<b>19.7%</b>
2. Major Research Equipment	90	94	<b>139</b>	45	48.2%
3. Education & Human Resources (EHR)					
Educational System Reform	113	113	<b>110</b>	-4	-3.4%
Elem., Secondary, & Informal	183	184	<b>192</b>	7	3.9%
Undergraduate Education	104	116	<b>141</b>	24	20.8%
Graduate Education	80	78	<b>89</b>	11	14.4%
Human Resource Develop.	73	77	<b>82</b>	5	6.0%
Research, Eval. and Communication	61	61	<b>68</b>	6	10.1%
EPSCoR <sup>1</sup>	49	60	<b>48</b>	-11	-19.2%
BA Adjustment *	0	0	<b>0</b>	0	--
Total EHR	662	691	<b>729</b>	38	5.5%

(continued)

Table II-7. NSF R&amp;D

**Table II-7 (continued).** R&D in the National Science Foundation  
(budget authority in millions of dollars) \*

	FY 1999	FY 2000	FY 2001	Change FY 00-01	
	Actual	Estimate	Budget	Amount	Percent
4. Salaries and Expenses	144	149	<b>158</b>	9	6.0%
5. Inspector General	5	5	<b>6</b>	1	15.2%
Total NSF Budget *	3,675	3,897	<b>4,572</b>	675	17.3%
<b>Deduct non-R&amp;D Activities:</b>					
R&RA non-R&D	285	309	<b>358</b>	49	15.8%
EHR non-R&D	571	570	<b>619</b>	49	8.6%
Salaries and Expenses	144	149	<b>158</b>	9	6.0%
Inspector General	5	5	<b>6</b>	1	15.2%
<b>Total NSF R&amp;D</b>	2,670	2,863	<b>3,431</b>	568	19.8%
Conduct of R&D	2,465	2,656	<b>3,180</b>	524	19.7%
R&D Facilities	205	208	<b>251</b>	43	20.8%

Source: Agency budget justification and Quantitative Data Tables.

\* - Directorate detailed figures are in obligations. BA adjustment converts obligations to budget authority. R&RA figures include funding derived from the Intellectual Infrastructure fund in FY 1999.

Does not include funding from H-1B Nonimmigrant Petitioner Fees.

<sup>1</sup> Experimental Program to Stimulate Competitive Research. FY 2000 includes \$8.4 million for Innovation Partnership Activities.

Figures are rounded to the nearest million. Changes calculated from unrounded figures.

**Please see Chapter 9 for information on the NSF budget.**