

Table II-7. NSF R&amp;D

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

	FY 2000 Actual	FY 2001 Estimate	<b>FY 2002 Budget</b>	Change FY 01-02	
				Amount	Percent
<b>1. Research and Related Activities (R&amp;RA)</b>					
Mathematical and Physical Sciences (MPS)					
Mathematical Sciences	106	121	<b>141</b>	20	16.5%
Astronomical Sciences	123	149	<b>156</b>	8	5.1%
Physics	168	188	<b>184</b>	-4	-2.1%
Chemistry	139	154	<b>153</b>	0	0.0%
Materials Research	191	210	<b>205</b>	-4	-2.1%
Multidisciplinary Activities	30	30	<b>23</b>	-7	-21.8%
Total MPS	756	851	<b>864</b>	13	1.5%
Engineering (ENG)					
Bioengineering & Env. Sys.	34	39	<b>38</b>	-1	-1.9%
Chemical & Transport Systems Design, Manufacture, & Industrial Innovation	44	51	<b>50</b>	-1	-1.1%
Electrical & Commun. Sys.	109	126	<b>126</b>	0	-0.4%
Engineering Edu. & Centers	45	54	<b>57</b>	3	5.8%
Civil & Mechanical Systems	98	107	<b>107</b>	0	0.0%
	48	53	<b>52</b>	-1	-2.0%
Total ENG	380	431	<b>431</b>	0	0.1%
Biological Sciences (BIO)					
Molecular and Cellular Bioscis.	106	124	<b>121</b>	-3	-2.4%
Integrative Biology & Neurosci.	95	112	<b>113</b>	1	0.9%
Environmental Biology	89	110	<b>112</b>	2	1.7%
Biological Infrastructure	65	75	<b>72</b>	-2	-3.1%
Plant Genome Research	63	65	<b>65</b>	0	0.2%
Total BIO	418	485	<b>483</b>	-2	-0.5%
Geosciences (GEO)					
Atmospheric Sciences	164	188	<b>187</b>	-2	-1.0%
Earth Sciences	102	116	<b>117</b>	1	0.8%
Ocean Sciences	221	258	<b>255</b>	-3	-1.0%
Total GEO	488	562	<b>559</b>	-4	-0.6%
Computer and Information Science and Engineering (CISE)					
Computer-Communications Res	60	65	<b>64</b>	-1	-1.7%
Information and Intelligent Sys.	41	49	<b>48</b>	-1	-1.7%
Experimental and Integrative Activities	58	61	<b>58</b>	-3	-5.2%
(continued)					

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	Actual	Estimate	Budget	Amount	Percent
Adv. Networking Infra. and Res.	61	66	<b>64</b>	-1	-1.7%
Adv. Compu. Infra. and Res.	78	82	<b>80</b>	-1	-1.7%
Information Tech. Research	90	155	<b>155</b>	0	0.0%
Total CISE	389	478	<b>470</b>	-8	-1.6%
Social, Behavioral, and Economic Sciences (SBE)					
Social & Economic Scis.	61	66	<b>66</b>	0	-0.4%
Behavioral & Cognitive Scis.	46	57	<b>57</b>	0	-0.4%
Int'l. Coop. Sci. Activities	40	26	<b>25</b>	-1	-2.4%
Science Resources Studies	15	16	<b>16</b>	0	-1.0%
Total SBE	162	164	<b>163</b>	-1	-0.8%
US Polar Programs					
Polar Research Programs	190	211	<b>214</b>	3	1.5%
Antarctic Logistical Support	68	62	<b>63</b>	0	0.2%
Total Polar Programs	258	273	<b>277</b>	3	1.2%
Integrative Activities	129	98	<b>81</b>	-17	-17.5%
BA Adjustment *	-7	0	<b>0</b>	0	--
<b>Total R&amp;RA *</b>	2,973	3,343	<b>3,327</b>	-16	-0.5%
2. Major Research Equipment	93	122	<b>96</b>	-25	-20.8%
3. Education & Human Resources (EHR)					
Educational System Reform	113	110	<b>45</b>	-65	-59.0%
Elem., Secondary, & Informal	186	203	<b>166</b>	-37	-18.3%
Undergraduate Education	117	141	<b>133</b>	-8	-5.9%
Graduate Education	79	88	<b>96</b>	8	8.8%
Human Resource Develop.	77	91	<b>90</b>	0	-0.3%
Math & Science Partnerships	0	0	<b>200</b>	200	--
Res., Eval. And Commun.	56	68	<b>68</b>	0	-0.2%
EPSCoR <sup>1</sup>	56	85	<b>75</b>	-10	-11.8%
BA Adjustment *	7	0	<b>0</b>	0	--
Total EHR	691	786	<b>872</b>	87	11.0%

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	FY 2000	FY 2001	FY 2002	Change FY 01-02	
	Actual	Estimate	Budget	Amount	Percent
4. Salaries and Expenses	149	161	<b>170</b>	10	5.9%
5. Inspector General	6	6	<b>7</b>	0	7.8%
Total NSF Budget *	3,912	4,417	<b>4,473</b>	56	1.3%
<b>Deduct non-R&amp;D Activities:</b>					
<i>R&amp;RA non-R&amp;D</i>	266	325	<b>336</b>	11	3.5%
<i>EHR non-R&amp;D</i>	560	646	<b>733</b>	87	13.4%
<i>Salaries and Expenses</i>	149	161	<b>170</b>	10	5.9%
<i>Inspector General</i>	6	6	<b>7</b>	0	7.8%
<b>Total NSF R&amp;D</b>	2,931	3,279	<b>3,226</b>	-52	-1.6%
Conduct of R&D	2,724	3,016	<b>3,017</b>	1	0.0%
R&D Facilities	207	263	<b>209</b>	-53	-20.2%

Source: NSF budget justification and Quantitative Data Tables.

\* - Directorate detailed figures are in obligations. BA adjustment converts obligations to budget authority.

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

<sup>1</sup> Experimental Program to Stimulate Competitive Research. FY 2001 includes \$10 million for Innovation Partnership Activities (\$4 million in FY 2000).

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

**Please see Chapter 7 for information on the NSF budget.**