

**NATIONAL SCIENCE FOUNDATION  
CoSTEM INVENTORY AND POSTDOCTORAL FELLOWSHIP PROGRAMS  
BY LEVEL OF EDUCATION  
FY 2022 BUDGET REQUEST TO CONGRESS**

(Dollars in Millions)

	FY 2020 Actual	FY 2021 Estimate	FY 2022 Request	FY 2022 Request change over:				
				FY 2020 Actual		FY 2021 Estimate		
				Amount	Percent	Amount	Percent	
<b>Minority-Serving Institutions</b>								
UG Hispanic Serving Institutions Program (HSI) Program	45.00	46.50	56.50	11.50	25.6%	10.00	21.5%	
UG Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)	35.00	36.50	46.50	11.50	32.8%	10.00	27.4%	
UG Tribal Colleges and Universities Program (TCUP)	15.00	16.50	21.00	6.00	40.0%	4.50	27.3%	
<b>Minority-Serving Institutions Subtotal</b>	<b>\$95.00</b>	<b>\$99.50</b>	<b>\$124.00</b>	<b>\$29.00</b>	<b>30.5%</b>	<b>\$24.50</b>	<b>24.6%</b>	
<b>Fellowships and Scholarships</b>								
UG NSF Scholarships in STEM (S-STEM) (H-1B)	79.91	132.75	121.85	41.94	52.5%	-10.90	-8.2%	
UG Robert Noyce Scholarship (Noyce) Program	69.77	67.00	67.00	-2.77	-4.0%	-	-	
G CyberCorps®: Scholarship for Service (SFS)	54.99	60.00	70.00	15.01	27.3%	10.00	16.7%	
G Graduate Research Fellowship Program (GRFP)	284.51	284.52	318.52	34.01	12.0%	34.00	11.9%	
G NSF Research Traineeship (NRT)	49.63	58.00	58.00	8.37	16.9%	-	-	
<b>Fellowships and Scholarships Subtotal</b>	<b>\$538.82</b>	<b>\$602.27</b>	<b>\$635.37</b>	<b>\$96.55</b>	<b>17.9%</b>	<b>\$33.10</b>	<b>5.5%</b>	
<b>Other Grant Programs</b>								
K-12 Computer Science for All (CSforAll)	30.46	24.50	24.50	-5.96	-19.6%	-	-	
K-12 Discovery Research PreK-12 (DRK-12)	95.00	95.00	95.00	0.00	0.0%	-	-	
K-12 Innovative Technology Experiences for Teachers and Students (ITEST) (H1-B)	34.87	44.25	40.62	5.75	16.5%	-3.63	-8.2%	
UG Advanced Technological Education (ATE)	73.53	75.00	75.00	1.47	2.0%	-	-	
UG Emerging Frontiers in Research and Innovation (EFRI) Research Experience and Mentoring (REM)	0.49	0.80	1.00	0.51	104.1%	0.20	25.0%	
UG Harnessing the Data Revolution : Data Science Corps	3.00	6.00	3.00	-	-	-3.00	-50.0%	
UG Improving Undergraduate STEM Education (IUSE)	109.54	111.50	108.60	-0.94	-0.9%	-2.90	-2.6%	
UG International Research Experiences for Students (IRES)	11.77	12.25	12.00	0.23	1.9%	-0.25	-2.0%	
UG Louis Stokes Alliances for Minority Participation (LSAMP)	47.49	49.50	69.50	22.01	46.4%	20.00	40.4%	
UG Research Experiences for Undergraduates (REU) - Sites and Supplements	98.64	82.28	84.54	-14.10	-14.3%	2.26	2.7%	
UG Research Experiences for Teachers (RET) in Engineering and Computer Science	8.19	6.30	7.20	-0.99	-12.1%	0.90	14.3%	
G Alliances for Graduate Education and the Professoriate	8.00	8.00	12.00	4.00	50.0%	4.00	50.0%	
G Training-based Workforce Development for Advanced Cyberinfrastructure (CyberTraining)	4.97	6.00	6.00	1.03	20.8%	-	-	
O&I Advancing Informal STEM Learning (AISL)	62.48	62.50	70.00	7.52	12.0%	7.50	12.0%	
O&I Excellence Awards in Science and Engineering (EASE)	7.33	5.00	7.64	0.31	4.2%	2.64	52.8%	
O&I Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)	20.75	20.00	46.50	25.75	124.1%	26.50	132.5%	
O&I EHR Core Research (ECR)	66.83	76.65	97.02	30.19	45.2%	20.37	26.6%	
<b>Other Grant Programs Subtotal</b>	<b>\$683.34</b>	<b>\$685.53</b>	<b>\$760.12</b>	<b>\$76.78</b>	<b>11.2%</b>	<b>\$74.59</b>	<b>10.9%</b>	
<b>Subtotal, Above Categories (CoSTEM Inventory Programs)</b>	<b>\$1,317.16</b>	<b>\$1,387.30</b>	<b>\$1,519.49</b>	<b>\$202.33</b>	<b>15.4%</b>	<b>\$132.19</b>	<b>9.5%</b>	
<b>NSF Postdoctoral Programs</b>								
G Astronomy and Astrophysics Postdoctoral Fellowships	2.28	2.40	2.40	0.12	5.5%	-	-	
G Entrepreneurial Fellowships <sup>1</sup>	-	-	20.00	20.00	N/A	20.00	N/A	
G Geosciences Postdoctoral Fellowships	3.95	7.90	9.95	6.00	152.0%	2.05	25.9%	
G Mathematical Sciences Postdoctoral Research Fellowships	6.15	9.15	9.15	3.00	48.8%	-	-	
G MPS ASCEND Postdoctoral Research Fellowships	-	10.00	10.00	10.00	N/A	-	-	
G Postdoctoral Research Fellowships in Biology	19.05	16.80	16.80	-2.25	-11.8%	-	-	
G SPRF-Broadening Participation	1.49	3.00	3.00	1.51	101.8%	-	-	
G SPRF-Fundamental Research	1.92	3.00	1.50	-0.42	-21.9%	-1.50	-50.0%	
<b>NSF Postdoctoral Programs Subtotal</b>	<b>\$34.83</b>	<b>\$52.25</b>	<b>\$72.80</b>	<b>\$37.97</b>	<b>109.0%</b>	<b>\$20.55</b>	<b>39.3%</b>	
<b>K-12 STEM Education Programs (K-12) Subtotal</b>	<b>\$160.33</b>	<b>\$163.75</b>	<b>\$160.12</b>	<b>-\$0.21</b>	<b>-0.1%</b>	<b>-\$3.63</b>	<b>-2.2%</b>	
<b>Undergraduate STEM Education Programs - (UG) Subtotal</b>	<b>\$597.34</b>	<b>\$642.88</b>	<b>\$673.69</b>	<b>\$76.35</b>	<b>12.8%</b>	<b>\$30.81</b>	<b>4.8%</b>	
<b>Graduate and Professional STEM Education Programs - (G)</b>	<b>\$436.93</b>	<b>\$468.77</b>	<b>\$537.32</b>	<b>\$100.39</b>	<b>23.0%</b>	<b>\$68.55</b>	<b>14.6%</b>	
<b>Outreach and Informal STEM Education Programs - (O&amp;I) Subtotal</b>	<b>\$157.39</b>	<b>\$164.15</b>	<b>\$221.16</b>	<b>\$63.77</b>	<b>40.5%</b>	<b>\$57.01</b>	<b>34.7%</b>	
<b>Total, NSF STEM Education</b>	<b>\$1,351.99</b>	<b>\$1,439.55</b>	<b>\$1,592.29</b>	<b>\$240.30</b>	<b>17.8%</b>	<b>\$152.74</b>	<b>10.6%</b>	

<sup>1</sup> Entrepreneurial Fellowships is a new postdoctoral program for FY 2022 in the new TIP directorate.