

NATIONAL SCIENCE FOUNDATION
CoSTEM INVENTORY AND POSTDOCTORAL FELLOWSHIP PROGRAMS
BY LEVEL OF EDUCATION
FY 2020 BUDGET REQUEST TO CONGRESS

(Dollars in Millions)

			FY 2018	FY 2019	FY 2020	FY 2020 Request change over	
			Actual	(TBD)	Request	FY 2018 Actuals	Percent
Minority-Serving Institutions			\$48.92	-	\$46.20	-\$2.72	-5.6%
UG	Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)		34.92	-	33.00	-1.92	-5.5%
UG	Tribal Colleges and Universities Program (TCUP)		14.00	-	13.20	-0.80	-5.7%
Fellowships and Scholarships			\$614.68	-	\$498.52	-\$116.16	-18.9%
UG	NSF Scholarships in STEM (S-STEM) (H-1B)		156.39	-	90.00	-66.39	-42.5%
UG	Robert Noyce Scholarship (Noyce) Program		64.50	-	47.00	-17.50	-27.1%
G	Cybercorps@: Scholarship for Service (SFS)		55.09	-	55.09	-	-
G	Graduate Research Fellowship Program (GRFP)		284.85	-	256.90	-27.95	-9.8%
G	NSF Research Traineeship (NRT)		53.85	-	49.53	-4.32	-8.0%
Other Grant Programs			\$652.79	-	\$568.53	-\$84.26	-12.9%
K-12	Computer Science for All (CSforAll) ¹		[20.00]	-	20.00	-	-
K-12	Discovery Research PreK-12 (DRK-12)		88.59	-	95.00	6.41	7.2%
K-12	Innovative Technology Experiences for Teachers and Students (ITEST) (H1-B)		35.87	-	30.00	-5.87	-16.4%
K-12	STEM + Computing (STEM+C) Partnerships ¹		64.37	-	-	-64.37	-100.0%
UG	Advanced Technological Education (ATE)		66.05	-	75.00	8.95	13.6%
UG	Emerging Frontiers in Research and Innovation (EFRI) Research Experience and Mentoring (REM)		1.10	-	0.75	-0.35	-31.8%
UG	Harnessing the Data Revolution (HDR): Data Science Corps (DSC)		-	-	3.00	3.00	N/A
UG	Hispanic Serving Institutions Program (HSI Program) ²		44.85	-	15.00	-29.85	-66.6%
UG	Improving Undergraduate STEM Education (IUSE)		99.12	-	93.13	-5.99	-6.0%
UG	International Research Experiences for Students (IRES)		11.47	-	13.00	1.53	13.4%
UG	Louis Stokes Alliances for Minority Participation (LSAMP)		46.02	-	46.00	-0.02	-0.0%
UG	Research Experiences for Undergraduates (REU) - Sites and Supplements		87.49	-	76.37	-11.12	-12.7%
UG	Research Experiences for Teachers (RET) in Engineering and Computer Science		7.73	-	5.80	-1.93	-25.0%
G	Alliances for Graduate Education and the Professoriate (AGEP)		8.00	-	7.54	-0.46	-5.8%
G	Training-based Workforce Development for Advanced Cyberinfrastructure (CyberTraining)		6.31	-	5.00	-1.31	-20.7%
O&I	Advancing Informal STEM Learning (AISL)		62.13	-	58.94	-3.19	-5.1%
O&I	Excellence Awards in Science and Engineering (EASE)		5.74	-	4.00	-1.74	-30.3%
O&I	Big Idea: NSF INCLUDES		17.95	-	20.00	2.05	11.4%
Subtotal, Above Categories (CoSTEM Inventory)			\$1,316.39	-	\$1,113.25	-\$203.14	-15.4%
G	NSF Postdoctoral Programs		\$21.94	-	\$19.97	-\$1.97	-9.0%
	Astronomy and Astrophysics Postdoctoral Fellowships (AAPF)		2.30	-	2.50	0.20	8.7%
	Geosciences Postdoctoral Fellowships		2.42	-	3.07	0.65	26.8%
	Mathematical Sciences Postdoctoral Research Fellowships (MSPRF)		6.00	-	5.40	-0.60	-10.0%
	Postdoctoral Research Fellowships in Biology (PRFB)		8.21	-	6.00	-2.21	-26.9%
	SPRF-Broadening Participation		1.47	-	1.50	0.03	1.8%
	SPRF-Fundamental Research		1.53	-	1.50	-0.03	-2.2%

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	FY 2018 Actual	FY 2019 (TBD)	FY 2020 Request	FY 2020 Request change over	
				FY 2018 Actuals Amount	Percent
K-12 STEM Education Programs (K-12) Subtotal	\$188.83	-	\$145.00	-\$43.83	-23.2%
Undergraduate STEM Education Programs (UG) Subtotal	\$633.64	-	\$511.25	-\$122.39	-19.3%
Graduate and Professional STEM Education Programs (G) Subtotal	\$430.04	-	\$394.03	-\$36.01	-8.4%
Outreach and Informal STEM Education Programs (O&I) Subtotal	\$85.82	-	\$82.94	-\$2.88	-3.4%
Total, NSF STEM Education	\$1,338.33	-	\$1,133.22	-\$205.11	-15.3%

¹ In FY 2018, \$10.0 million in EHR funding for CSforAll was supported as a component of STEM+C and \$10.0 million in R&RA funding was provided by CISE. The total FY 2018 Actual is shown for comparison purposes only. In FY 2020, CISE continues its investment in CSforAll. Within EHR in FY 2020, funding for STEM+C moves to implement CSforAll as a freestanding program and to expand EHR's computer science education portfolio through the DRK-12 and AISL programs.

² In FY 2017, the HSI Program was funded at \$15.0 million within the Integrative Activities budget. These funds were carried over into FY 2018, and supported awards made in FY 2018 (\$15.03 million). EHR is responsible for the management of this program.