

NSF PROGRAMS TO BROADEN PARTICIPATION

NSF has taken a variety of approaches to broaden participation across its many programs. While broadening participation is included in the NSF review criteria, some program announcements and solicitations go beyond the standard criteria. They range from encouraging language to specific requirements. Investments range from capacity building, research centers, partnerships, and alliances to the use of co-funding or supplements to existing awards in the core research programs.

NSF’s broadening participation portfolio can be divided into three categories: (1) Focused, (2) Emphases, and (3) Geographic Diversity. The following sections define each of these categories and provide a list of the programs and activities with their respective funding levels that comprise each.

(Dollars in Millions)

	FY 2023 Base Plan ¹	FY 2024 (TBD)	FY 2025 Request	Change over FY 2023 Base Plan	
				Amount	Percent
Subtotal, Research and Related Activities²	\$576.70	-	\$605.49	\$28.79	5.0%
Subtotal, STEM Education³	\$804.83	-	\$832.06	\$27.24	3.4%
Total, Broadening Participation Programs^{2,3}	\$1,381.53	-	\$1,437.55	\$56.02	4.1%

¹ FY 2023 is restated to show the consolidation of NSF mission support activities within R&RA comparably with FY 2025.

² FY 2023 funding includes one-time funding through the Strategic Initiatives line for targeted investments for EPSCoR co-funding (\$10.0 million) and GRANTED support of emerging research institutions (ERIs) (\$10.0 million).

³ Totals exclude H-1B Visa funded programs (S-STEM and ITEST).

Summary Tables

Focused Programs

Focused Programs have broadening participation as an explicit goal of the program and are included at 100 percent of their funding.

(Dollars in Millions)

	Account	Percent Applied	FY 2023	FY 2024	FY 2025	Change over		
			Base Plan ¹	(TBD)	Request	FY 2023 Base Plan Amount	Percent	
Focused Programs²								
ADVANCE	EDU	100%	\$18.72	-	\$19.86	\$1.14	6.1%	
Advancing Informal STEM Learning (AISL)	EDU	100%	68.99	-	71.15	2.16	3.1%	
Alliances for Graduate Education & the Professoriate (AGEP)	EDU	100%	9.36	-	9.93	0.57	6.1%	
AGEP Graduate Research Supplements (AGEP-GRS)	RRA	100%	3.74	-	5.67	1.93	51.6%	
Broadening Participation in Biology Fellowships	RRA	100%	8.00	-	8.36	0.36	4.5%	
Broadening Participation in Engineering (BPE)	RRA	100%	7.50	-	7.84	0.34	4.5%	
Career-Life Balance (CLB)	RRA	100%	0.28	-	0.23	-0.05	-17.9%	
Centers of Research Excellence in Science & Technology (CREST)	EDU	100%	28.58	-	30.31	1.73	6.1%	
CISE Education and Workforce	RRA	100%	14.75	-	15.41	0.66	4.5%	
CISE Graduate Fellowships (CSGrad4US)	RRA	100%	8.50	-	10.50	2.00	23.5%	
CISE-MSI Research Expansion Program	RRA	100%	7.00	-	10.00	3.00	42.9%	
Disability and Rehabilitation Engineering (DARE)	RRA	100%	5.10	-	5.33	0.23	4.5%	
Eddie Bernice Johnson INCLUDES Initiative (INCLUDES Initiative)	EDU	100%	29.57	-	37.35	7.78	26.3%	
Enabling Partnerships to Increase Innovation Capacity (EPIIC)	RRA	100%	20.00	-	20.00	-	-	
Excellence Awards in Science & Engineering (EASE) ³	EDU	100%	7.29	-	6.73	-0.56	-7.7%	
ExpandAI	RRA	100%	7.00	-	7.32	0.32	4.6%	
ExpandQISE	RRA	100%	18.00	-	18.81	0.81	4.5%	
Growing Resch Access for Nation'ly Transformative Equity & Diversity (GRANTED) ⁴	RRA	100%	44.50	-	40.00	-4.50	-10.1%	
HBCU Excellence in Research (HBCU-EiR)	RRA	100%	24.85	-	26.13	1.28	5.2%	
Historically Black Colleges & Universities Undergrad Prog (HBCU-UP)	EDU	100%	42.38	-	44.94	2.56	6.0%	
Improving Undergraduate STEM Education (IUSE): CUE Program	RRA	100%	3.00	-	5.00	2.00	66.7%	
IUSE: Hispanic Serving Institutions (HSI) Program	EDU	100%	52.72	-	55.92	3.20	6.1%	
Louis Stokes Alliances for Minority Participation (LSAMP)	EDU	100%	54.70	-	55.00	0.30	0.5%	
MPS Ascending Postdoctoral Research Fellowships (MPS-Acend)	RRA	100%	10.00	-	10.62	0.62	6.2%	
MPS Partnerships for Research & Education	RRA	100%	12.50	-	28.60	16.10	128.8%	
NSF Scholarships in STEM (S-STEM) ²	EDU	100%	[144.41]	-	[104.20]	[-40.21]	[-27.8%]	
Resch and Mentoring for Postbaccalaureates in Biological Sciences (RaMP)	RRA	100%	30.00	-	31.35	1.35	4.5%	
SBE Build and Broaden	RRA	100%	8.00	-	8.36	0.36	4.5%	
SBE Postdoctoral Research Fellowships-Broadening Participation (SPRF-BP)	RRA	100%	3.00	-	3.14	0.14	4.7%	
Science of Broadening Participation	RRA	100%	1.50	-	1.57	0.07	4.7%	
Tribal Colleges & Universities Program (TCUP)	EDU	100%	19.71	-	20.90	1.19	6.0%	
Subtotal, Focused Programs			\$569.24	-	\$616.33	\$47.09	8.3%	

¹ FY 2023 is restated to show the consolidation of NSF mission support activities within R&RA comparably with FY 2025.

² Totals exclude H-1B Visa funded programs (S-STEM and ITEST).

³ EASE comprises both Presidential Awards for Excellence in Science, Math, and Engineering Mentoring and Presidential Awards for Excellence in Mathematics and Science Teaching.

⁴ FY 2023 funding includes one-time funding through the Strategic Initiatives line for targeted investments for EPSCoR co-funding (\$10.0 million) and GRANTED support of emerging research institutions (ERIs) (\$10.0 million).

Emphasis Programs

Emphasis Programs have broadening participation as one of several emphases, but broadening participation is not an explicit goal of the program. These programs are included at a percentage of their funding level. The percentage used equals the 3-year average percentage of the programs’ award portfolio that meets one the following criteria where an award:

- Was to a Minority Serving Institution (MSI);
- Had at least 50 percent of its principal investigators from an underrepresented group; or
- Had at least 50 percent of the students or postdocs supported by the grant reporting themselves as members of an underrepresented group on project reports.

(Dollars in Millions)

	Account	Percent Applied	FY 2023	FY 2024	FY 2025	Change over		
			Base Plan ¹	(TBD)	Request	FY 2023 Base Plan	Amount	Percent
Emphasis Programs²								
Computer Science for All (CSforAll)	EDU/RRA	77%	\$18.75	-	\$15.21	-\$3.54	-18.9%	
Discovery Research PreK-12 (DRK-12)	EDU	77%	76.11	-	69.09	-7.02	-9.2%	
EDU Core Research	EDU	73%	59.36	-	54.49	-4.87	-8.2%	
Graduate Research Fellowship Program (GRFP)	EDU	68%	215.42	-	230.59	15.17	7.0%	
H-1B: Innovative Tech Experiences for Students & Teachers (ITEST) ²	EDU	75%	[36.15]	-	[26.09]	[-10.06]	[-27.8%]	
Improving Undergraduate STEM Education (IUSE)	EDU/RRA	77%	75.63	-	79.99	4.36	5.8%	
International Research Experiences for Students (IRES)	RRA	58%	6.98	-	6.98	-	-	
Launching Early-Career Academic Pathways in the Mathematical and Physical Sciences (MPS-LEAPS)	RRA	65%	6.48	-	6.48	-	-	
Resch Experiences for Teachers (RET) Sites in BIO, CISE, ENG	RRA	81%	6.56	-	5.26	-1.31	-19.9%	
Resch Experiences for Undergrads (REU) - Sites and Supplements	RRA	64%	51.29	-	51.48	0.19	0.4%	
Robert Noyce Teacher Scholarship Program (NOYCE)	EDU	65%	43.68	-	43.29	-0.40	-0.9%	
Subtotal, Emphasis Programs			\$560.26	-	\$562.85	\$2.59	0.5%	

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² Totals exclude H-1B Visa funded programs (S-STEM and ITEST).

Summary Tables

Geographic Diversity Programs

Geographic Diversity Programs, EPSCoR, has geographic diversity as an explicit goal of the program and is included at 100 percent of its funding.

(Dollars in Millions)

			FY 2023 Base Plan ¹	FY 2024 (TBD)	FY 2025 Request	Change over FY 2023 Base Plan	
	Account	Percent Applied				Amount	Percent
Geographic Diversity Programs							
EPSCoR ²	RRA	100%	\$252.03	-	\$258.37	\$6.34	2.5%
Subtotal, Geographic Diversity Programs			\$252.03	-	\$258.37	\$6.34	2.5%

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