

**NATIONAL SCIENCE FOUNDATION
PROGRAMS TO BROADEN PARTICIPATION
FY 2023 BUDGET REQUEST TO CONGRESS**

(Dollars in Millions)

	Amount of			Change over		
	Funding Captured	FY 2021 Actual	FY 2022 (TBD)	FY 2023 Request	FY 2021 Actual Amount	Percent
Total, NSF Broadening Participation Programs		\$1,188.43	-	\$1,536.47	\$348.04	29.3%

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.

NSF Programs to Broaden Participation

Focused Programs

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

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Focused Programs						
ADVANCE	100%	\$18.13	-	\$20.50	\$2.37	13.1%
Alliances for Graduate Education & the Professoriate (AGEP)	100%	8.00	-	14.00	6.00	75.0%
AGEP Graduate Research Supplements (AGEP-GRS)	100%	8.20	-	4.64	-3.56	-43.4%
Broadening Participation in Biology Fellowships	100%	4.70	-	10.50	5.80	123.4%
Broadening Participation in Engineering (BPE)	100%	6.55	-	9.00	2.45	37.4%
Career-Life Balance (CLB) ¹	100%	2.03	-	0.28	-1.75	-86.2%
Centers of Research Excellence in Science & Technology (CREST)	100%	24.00	-	41.00	17.00	70.8%
CISE Education and Workforce	100%	13.65	-	12.75	-0.90	-6.6%
CISE-MSI Research Expansion Program	100%	-	-	7.00	7.00	N/A
Coastlines and People (CoPe)	100%	32.59	-	28.00	-4.59	-14.1%
Disability and Rehabilitation Engineering (DARE)	100%	-	-	6.00	6.00	N/A
Excellence Awards in Science & Engineering (EASE) ²	100%	3.63	-	7.64	4.01	110.7%
Growing Resrch Access for Nationally Transformative Equity & Diversity (GRANTED)	100%	-	-	50.00	50.00	N/A
Historically Black Colleges & Universities Undergraduate Program (HBCU-UP)	100%	36.50	-	48.50	12.00	32.9%
HBCU Excellence in Research (HBCU-EiR)	100%	21.25	-	37.93	16.68	78.5%
IUSE: Hispanic Serving Institutions (HSI) Program	100%	46.50	-	60.50	14.00	30.1%
NSF INCLUDES	100%	20.75	-	50.50	29.75	143.3%
Louis Stokes Alliances for Minority Participation (LSAMP)	100%	49.51	-	70.50	20.99	42.4%
MPS Ascending Postdoctoral Research Fellowships (MPS-Acend)	100%	9.26	-	20.00	10.74	115.9%
NSF Scholarships in STEM (S-STEM) ³	100%	94.70	-	119.15	24.45	25.8%
Partnerships for Research & Education in Materials (PREM)	100%	8.95	-	9.00	0.05	0.6%
Partnerships in Astronomy & Astrophysics Resrch Ed (PAARE)	100%	-	-	1.50	1.50	N/A
SBE Build and Broaden	100%	6.30	-	8.00	1.70	27.0%
SBE Postdoctrl Resrch Fellwshps-Broadening Participatn (SPRF-BP)	100%	3.13	-	6.00	2.87	91.5%
Science of Broadening Participation	100%	1.50	-	1.50	-	-
Tribal Colleges & Universities Program (TCUP)	100%	16.50	-	23.00	6.50	39.4%
Subtotal, Focused Programs		\$436.34	-	\$667.39	\$231.05	53.0%

¹ NSF continues to support the Career-Life Balance (CLB) Initiative through supplemental funding to active NSF awards. In general, CLB funding will be reported annually as part of NSF's actual obligations.

² The Excellence Awards in Science and Engineering (EASE) program is comprised of both Presidential Awards for Excellence in Science, Math and Engineering Mentoring (PAESMEM) and Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST).

³ Innovative Technology Experiences for Students and Teachers (ITEST) and NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) are H1B Visa funded programs.

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.

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Emphasis Programs						
Advancing Informal STEM Learning (AISL)	58%	\$36.25	-	\$43.21	\$6.96	19.2%
Computer Science for All (CSforAll)	62%	15.25	-	15.19	-0.06	-0.4%
CyberTraining	51%	3.82	-	3.06	-0.76	-19.9%
Discovery Research PreK-12 (DRK-12)	56%	53.20	-	55.72	2.52	4.7%
EDU Core Research	62%	47.51	-	63.20	15.69	33.0%
Graduate Research Fellowship Program (GRFP)	67%	189.44	-	236.77	47.33	25.0%
Improving Undergraduate STEM Education (IUSE)	64%	63.52	-	69.54	6.01	9.5%
Innovative Tech. Exp. for Students and Teachers (ITEST) ³	74%	38.34	-	29.39	-8.96	-23.4%
International Research Experiences for Students (IRES)	54%	6.66	-	5.40	-1.26	-18.9%
Research Exp. for Teachers (RET) in Engr. and Computer Sci.	72%	5.94	-	9.50	3.57	60.1%
Research Exp. for Undergrad. (REU) - Sites and Supplements	61%	52.12	-	51.33	-0.80	-1.5%
Robert Noyce Teacher Scholarship Program (NOYCE)	59%	39.86	-	39.53	-0.33	-0.8%
Subtotal, Emphasis Programs		\$551.93	-	\$621.83	\$69.91	12.7%

³ Innovative Technology Experiences for Students and Teachers (ITEST) and NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) are H1B Visa funded programs.

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.

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Geographic Diversity Program						
EPSCoR	100%	\$200.16	-	\$247.25	\$47.09	23.5%
Subtotal, Geographic Diversity Program		\$200.16	-	\$247.25	\$47.09	23.5%

