

Summary Tables

NSF ADMINISTRATION PRIORITIES AND CROSSCUTTING RESEARCH TOPICS SUMMARY
FY 2024 BUDGET REQUEST TO CONGRESS
(Dollars in Millions)

	Advanced Manufacturing									Advanced Wireless							
	FY 2022 Actual ¹	Disaster Relief Supplemental			FY 2023 Estimate Total	FY 2024 Request	FY 2024 Request change over FY 2023 Base Total			FY 2022 Actual ¹	Disaster Relief Supplemental			FY 2023 Estimate Total	FY 2024 Request	FY 2024 Request change over FY 2023 Base Total	
		FY 2023 Estimate Base	Base	CHIPS+ Science			Amount	Percent			FY 2023 Estimate Base	Base	CHIPS+ Science			Amount	Percent
BIO	\$7.16	\$7.16	-	-	\$7.16	\$7.16	-	-	BIO	-	-	-	-	-	-	-	N/A
CISE	45.24	44.30	-	-	44.30	44.40	0.10	0.2%	CISE	89.45	88.76	-	-	88.76	93.26	4.50	5.1%
ENG	129.00	125.00	-	-	125.00	184.37	59.37	47.5%	ENG	26.00	25.00	-	-	25.00	27.75	2.75	11.0%
GEO Programs	-	-	-	-	-	-	-	N/A	GEO Programs	-	-	-	-	-	-	-	N/A
GEO: OPP	-	-	-	-	-	-	-	N/A	GEO: OPP	-	-	-	-	-	-	-	N/A
MPS	162.30	128.33	-	-	128.33	133.33	5.00	3.9%	MPS	17.00	17.00	-	-	17.00	17.00	-	-
SBE	0.50	0.50	-	-	0.50	3.50	3.00	600.0%	SBE	-	-	-	-	-	-	-	N/A
TIP	54.00	27.94	13.66	13.04	54.64	73.60	32.00	76.9%	TIP	30.00	15.62	7.64	7.29	30.55	41.16	17.90	77.0%
OISE	0.02	0.50	-	-	0.50	0.50	-	-	OISE	-	-	-	-	-	-	-	N/A
IA	15.60	1.00	-	-	1.00	1.00	-	-	IA	-	-	-	-	-	-	-	N/A
R&RA	\$413.82	\$334.73	\$13.66	\$13.04	\$361.43	\$447.86	\$99.47	28.6%	R&RA	\$162.45	\$146.38	\$7.64	\$7.29	\$161.31	\$179.17	\$25.15	16.3%
EDU	12.37	6.00	-	-	6.00	6.00	-	-	EDU	-	-	-	-	-	-	-	N/A
Total, NSF	\$426.19	\$340.73	\$13.66	\$13.04	\$367.43	\$453.86	\$99.47	28.1%	Total, NSF	\$162.45	\$146.38	\$7.64	\$7.29	\$161.31	\$179.17	\$25.15	16.3%

¹ FY 2022 Actual are greater than future fiscal years due to the receipt of more meritorious proposals than expected.

¹ FY 2022 Actual are greater than future fiscal years due to the receipt of more meritorious proposals than expected.

	Artificial Intelligence									Biotechnology							
	FY 2022 Actual ¹	Disaster Relief Supplemental			FY 2023 Estimate Total	FY 2024 Request	FY 2024 Request change over FY 2023 Base Total			FY 2022 Actual ¹	Disaster Relief Supplemental			FY 2023 Estimate Total	FY 2024 Request	FY 2024 Request change over FY 2023 Base Total	
		FY 2023 Estimate Base	Base	CHIPS+ Science			Amount	Percent			FY 2023 Estimate Base	Base	CHIPS+ Science			Amount	Percent
BIO	\$20.00	\$20.00	-	-	\$20.00	\$20.00	-	-	BIO	\$118.00	\$122.75	\$25.25	-	\$148.00	\$176.88	\$28.88	19.5%
CISE	346.96	344.00	-	-	344.00	389.00	45.00	13.1%	CISE	9.65	6.92	-	-	6.92	6.92	-	-
ENG	88.00	88.00	-	-	88.00	97.00	9.00	10.2%	ENG	92.00	92.00	-	-	92.00	106.50	14.50	15.8%
GEO Programs	1.00	5.00	-	-	5.00	5.00	-	-	GEO Programs	10.00	10.00	-	-	10.00	10.00	-	-
GEO: OPP	-	-	-	-	-	-	-	N/A	GEO: OPP	1.60	1.60	-	-	1.60	2.00	0.40	25.0%
MPS	134.18	75.21	-	-	75.21	84.20	8.99	12.0%	MPS	75.63	62.20	-	-	62.20	62.20	-	-
SBE	17.74	16.92	-	-	16.92	19.59	2.67	15.8%	SBE	1.68	1.50	-	-	1.50	1.50	-	-
TIP	100.00	52.45	25.64	24.48	102.57	138.19	60.10	77.0%	TIP	30.00	35.31	17.27	16.48	69.06	93.05	40.47	77.0%
OISE	-	-	-	-	-	-	-	N/A	OISE	-	-	-	-	-	-	-	N/A
IA	14.30	1.00	-	-	1.00	1.00	-	-	IA	22.52	1.00	-	-	1.00	1.00	-	-
R&RA	\$722.18	\$602.58	\$25.64	\$24.48	\$652.70	\$753.98	\$125.76	20.0%	R&RA	\$361.08	\$333.28	\$42.52	\$16.48	\$392.28	\$460.05	\$84.25	22.4%
EDU	59.61	35.00	-	-	35.00	42.50	7.50	21.4%	EDU	9.37	9.00	-	-	9.00	10.00	1.00	11.1%
Total, NSF	\$781.79	\$637.58	\$25.64	\$24.48	\$687.70	\$796.48	\$133.26	20.1%	Total, NSF	\$370.45	\$342.28	\$42.52	\$16.48	\$401.28	\$470.05	\$85.25	22.2%

¹ FY 2022 Actual are greater than future fiscal years due to the receipt of more meritorious proposals than expected.

NSF ADMINISTRATION PRIORITIES AND CROSSCUTTING RESEARCH TOPICS SUMMARY
FY 2024 BUDGET REQUEST TO CONGRESS
(Dollars in Millions)

	NSTC Crosscut Quantum Information Science							
	FY 2022 Actual ¹	Disaster Relief Supplemental			FY 2023 Estimate Total	FY 2024 Request	FY 2024 Request change over FY 2023 Base Total	
		FY 2023 Estimate Base	CHIPS+ Base	Science			Amount	Percent
BIO	\$3.28	\$3.28	-	-	\$3.28	\$3.28	-	-
CISE	25.03	20.70	-	-	20.70	24.74	4.04	19.5%
ENG	31.17	29.50	-	-	29.50	32.89	3.39	11.5%
GEO Programs	-	-	-	-	-	-	-	N/A
GEO: OPP	-	-	-	-	-	-	-	N/A
MPS	229.87	179.00	-	-	179.00	214.00	35.00	19.6%
SBE	-	-	-	-	-	-	-	N/A
TIP	25.00	19.65	9.60	9.18	38.43	51.76	22.51	77.0%
OISE	-	1.00	-	-	1.00	1.00	-	-
IA	19.36	-	-	-	-	-	-	N/A
R&RA	\$333.71	\$253.13	\$9.60	\$9.18	\$271.91	\$327.67	\$64.94	24.7%
EDU	14.08	4.00	-	-	4.00	5.00	1.00	25.0%
Total, NSF	\$347.79	\$257.13	\$9.60	\$9.18	\$275.91	\$332.67	\$65.94	24.7%

¹ FY 2022 Actual are greater than future fiscal years due to the receipt of more meritorious proposals than expected.

	Microelectronics and Semiconductors							
	FY 2022 Actual	Disaster Relief Supplemental			FY 2023 Estimate Total	FY 2024 Request	FY 2024 Request change over FY 2023 Base Total	
		FY 2023 Estimate Base	CHIPS+ Base	Science			Amount	Percent
BIO	\$3.00	-	-	-	-	-	-	N/A
CISE	41.00	40.00	-	-	40.00	40.00	-	-
ENG	43.00	43.00	-	-	43.00	63.00	20.00	46.5%
GEO Programs	-	-	-	-	-	-	-	N/A
GEO: OPP	-	-	-	-	-	-	-	N/A
MPS	50.96	31.00	-	-	31.00	33.00	2.00	6.5%
SBE	-	-	-	-	-	-	-	N/A
TIP	15.00	25.69	12.56	11.99	50.24	67.68	29.43	76.9%
OISE	-	-	-	-	-	-	-	N/A
IA	-	-	-	-	-	-	-	N/A
R&RA	\$152.96	\$139.69	\$12.56	\$11.99	\$164.24	\$203.68	\$51.43	33.8%
EDU	-	-	-	-	-	6.00	6.00	N/A
Total, NSF	\$152.96	\$139.69	\$12.56	\$11.99	\$164.24	\$209.68	\$57.43	37.7%

	NSTC Crosscut Clean Energy Technology							
	FY 2022 Actual	Disaster Relief Supplemental			FY 2023 Estimate Total	FY 2024 Request	FY 2024 Request change over FY 2023 Base Total	
		FY 2023 Estimate Base	CHIPS+ Base	Science			Amount	Percent
BIO	\$50.00	\$55.00	-	-	\$55.00	\$74.50	\$19.50	35.5%
CISE	29.28	39.50	-	-	39.50	39.50	-	-
ENG	150.00	163.00	30.00	-	193.00	229.75	36.75	19.0%
GEO Programs	-	-	-	-	-	-	-	N/A
GEO: OPP	-	-	-	-	-	-	-	N/A
MPS	123.08	123.83	-	-	123.83	123.57	-0.26	-0.2%
SBE	-	-	-	-	-	-	-	N/A
TIP	49.20	39.95	13.12	12.52	65.59	70.69	17.62	33.2%
OISE	17.05	7.50	-	-	7.50	12.50	5.00	66.7%
IA	0.14	-	-	-	-	-	-	N/A
R&RA	\$418.75	\$428.78	\$43.12	\$12.52	\$484.42	\$550.51	\$78.61	16.7%
EDU	-	-	-	-	-	-	-	N/A
Total, NSF	\$418.75	\$428.78	\$43.12	\$12.52	\$484.42	\$550.51	\$78.61	16.7%

	NSTC Crosscut U.S. Global Change Research Program							
	FY 2022 Actual	Disaster Relief Supplemental			FY 2023 Estimate Total	FY 2024 Request REVISED	FY 2024 Request change over FY 2023 Base Total	
		FY 2023 Estimate Base	CHIPS+ Base	Science			Amount	Percent
BIO	\$162.01	\$211.71	-	-	\$211.71	\$225.07	\$13.36	6.3%
CISE	-	-	30.00	-	30.00	30.00	-	-
ENG	-	-	-	-	-	50.00	50.00	N/A
GEO Programs	337.60	345.60	10.00	-	355.60	479.46	123.86	34.8%
GEO: OPP	236.00	197.26	-	-	197.26	197.26	-	-
MPS	13.44	12.00	-	-	12.00	14.63	2.63	21.9%
SBE	19.92	20.00	-	-	20.00	25.14	5.14	25.7%
TIP	-	-	-	-	-	-	-	N/A
OISE	11.99	7.50	8.00	-	15.50	12.50	-3.00	-19.4%
IA	-	-	2.00	-	2.00	1.00	-1.00	-50.0%
R&RA	\$780.96	\$794.07	\$50.00	-	\$844.07	\$1,035.06	\$190.99	22.6%
EDU	-	-	-	-	-	-	-	N/A
Total, NSF	\$780.96	\$794.07	\$50.00	-	\$844.07	\$1,035.06	\$190.99	22.6%

Summary Tables

**NSF ADMINISTRATION PRIORITIES AND CROSSCUTTING RESEARCH TOPICS SUMMARY
FY 2024 BUDGET REQUEST TO CONGRESS**

(Dollars in Millions)

	NSTC Crosscut National Nanotechnology Initiative (NNI)									NSTC Crosscut Networking & Information Technology R&D (NITRD)							
	FY 2022 Actual ¹	FY 2023 Estimate Base	Disaster Relief Supplemental		FY 2023 Estimate Total	FY 2024 Request	FY 2024 Request change over FY 2023 Base Total			FY 2022 Actual ¹	FY 2023 Estimate Base	Disaster Relief Supplemental		FY 2023 Estimate Total	FY 2024 Request	FY 2024 Request change over FY 2023 Base Total	
			Base	CHIPS+ Science			Amount	Percent				Base	CHIPS+ Science			Amount	Percent
BIO	\$39.95	\$39.95	-	-	\$39.95	\$39.95	-	-	BIO	\$79.00	\$79.00	-	-	\$79.00	\$81.50	\$2.50	3.2%
CISE	15.62	14.05	-	-	14.05	14.05	-	-	CISE	1,015.57	1,010.57	40.00	-	1,050.57	1,172.14	121.57	11.6%
ENG	267.13	190.95	-	-	190.95	231.75	\$40.80	21.4%	ENG	167.42	156.45	-	-	156.45	179.26	22.81	14.6%
GEO Programs	-	-	-	-	-	-	-	N/A	GEO Programs	23.00	27.00	-	-	27.00	30.00	3.00	11.1%
GEO: OPP	-	-	-	-	-	-	-	N/A	GEO: OPP	-	-	-	-	-	-	-	N/A
MPS	206.17	126.00	-	-	126.00	126.00	-	-	MPS	345.76	224.15	-	-	224.15	239.34	15.19	6.8%
SBE	0.40	0.40	-	-	0.40	0.40	-	-	SBE	41.89	30.94	2.00	-	32.94	38.94	6.00	18.2%
TIP	4.90	5.15	2.51	2.39	10.05	13.54	\$5.88	76.8%	TIP	224.10	196.13	95.91	91.53	383.57	516.76	224.72	76.9%
OISE	0.10	0.10	-	-	0.10	0.10	-	-	OISE	-	-	-	-	-	-	-	N/A
IA	-	-	-	-	-	-	-	N/A	IA	14.30	1.00	-	-	1.00	1.00	-	-
R&RA	\$534.27	\$376.60	\$2.51	\$2.39	\$381.50	\$425.79	\$46.68	12.3%	R&RA	\$1,911.04	\$1,725.24	\$137.91	\$91.53	\$1,954.68	\$2,258.94	\$395.79	21.2%
EDU	10.85	2.50	-	-	2.50	2.50	-	-	EDU	17.65	22.09	-	-	22.09	22.09	-	-
Total, NSF	\$545.12	\$379.10	\$2.51	\$2.39	\$384.00	\$428.29	\$46.68	12.2%	Total, NSF	\$1,928.69	\$1,747.33	\$137.91	\$91.53	\$1,976.77	\$2,281.03	\$395.79	21.0%

¹ FY 2022 Actual are greater than future fiscal years due to the receipt of more meritorious proposals than expected.