National Science Foundation Homeland Security Activities Summary FY 2016 Request to Congress (Dollars in Millions)

			•	n Millions)							
	BIO	CISE	ENG	GEO	MPS	SBE	IA	R&RA	EHR	AOAM	Total, NSF
FY 2014 Actual	\$15.00	\$203.30	\$155.90	\$3.31	\$8.36	\$10.03	\$2.57	\$398.47	\$45.26	\$1.76	\$445.49
Protecting Critical Infrastructure & Key Assets	-	\$203.30	\$155.90	\$3.31	\$6.65	\$10.03	\$2.57	\$381.76	\$45.26	\$1.76	\$428.78
Antarctic Physical Security	-	-	-	0.30	-	-	-	\$0.30	-	-	\$0.30
Counterterrorism	-	27.00	-	-	-	-	-	\$27.00	-	-	\$27.00
Cybersecurity	-	147.00	4.25	-	2.00	5.03	-	\$158.28	-	-	\$158.28
Electronic Commerce	-	4.50	3.35	-	-	-	-	\$7.85	-	-	\$7.85
Emergency Planning & Response	-	24.80	25.30	-	4.00	-	-	\$54.10	-	-	\$54.10
Energy Supply Assurance	-	-	28.00	-	-	-	-	\$28.00	-	-	\$28.00
IT Security	-	-	-	3.01	-	-	2.57	\$5.58	0.39	1.76	\$7.73
Resilient Infrastructure	-	-	95.00	-	0.65	5.00	-	\$100.65	-	-	\$100.65
Scholarship for Service/Cybercorps	-	-	-	-	-	-	-	-	44.87	-	\$44.87
Defending Against Catastrophic Threats	\$15.00	-	-	-	\$1.71	-	-	\$16.71	-	-	\$16.71
Research to Combat Bioterrorism -	15.00	_		-	1.71	-	-	\$16.71	-	_	\$16.71
Microbial Genomics, Analysis & Modeling								*****			******
FY 2015 Estimate	\$15.00	\$203.30	\$151.67	\$3.31	\$3.73	\$11.00	\$2.56	\$390.57	\$45.42	\$2.79	\$438.78
Protecting Critical Infrastructure & Key Assets	-	\$203.30	\$151.67	\$3.31	\$3.73	\$11.00	\$2.56	\$375.57	\$45.42	\$2.79	\$423.78
Antarctic Physical Security	_	-	-	0.30	-	-	-	\$0.30	· · · · · · -	-	\$0.30
Counterterrorism		27.00	_	0.50	_	_	_	\$27.00	_		\$27.00
Cybersecurity	_	147.00	5.11	-	2.03	6.00	_	\$160.14	_		\$160.14
	-	4.50	3.00	-	2.03	0.00	-	\$7.50	-	1	
Electronic Commerce	-	24.80		-	1.00	-	-	-	-	1	\$7.50
Emergency Planning & Response	-	24.80	24.50	-	1.00	-	-	\$50.30	-	-	\$50.30
Energy Supply Assurance	-	-	26.00		-	-		\$26.00			\$26.00
IT Security	-	-	-	3.01	-		2.56	\$5.57	0.42	2.79	\$8.78
Resilient Infrastructure	-	-	93.06	-	0.70	5.00	-	\$98.76		-	\$98.76
Scholarship for Service/Cybercorps	-	-	-	-	-	-	-	-	45.00	-	\$45.00
Defending Against Catastrophic Threats	\$15.00	-	-	-	-	-	-	\$15.00	-	-	\$15.00
Research to Combat Bioterrorism -	15.00	-	-	-	-	-	-	\$15.00	-	-	\$15.00
Microbial Genomics, Analysis & Modeling											
Delta from FY 2015 Estimate	-	\$0.50	\$1.88	-	-\$0.03	-	-	\$2.35	-	\$0.24	\$2.59
Protecting Critical Infrastructure & Key Assets	-	\$0.50	\$1.88	-	-\$0.03	-	-	\$2.35	-	\$0.24	\$2.59
Antarctic Physical Security	-	-	-	-	-	-	-	-	-	-	-
Counterterrorism											
Countriolioni	-	-	-	-	-	-	-	-	-	-	-
Cybersecurity	-	0.50	-0.06	-	-0.03	-	-	- \$0.41	-	-	\$0.41
	- - -	- 0.50 -	-0.06 -	-	-0.03 -	-	- - -	- \$0.41 -	- - -	-	\$0.41 -
Cybersecurity	-	0.50 - -	-0.06 -	- - -	-0.03 -	- - -	- - -	- \$0.41 - -	- - -	- - -	\$0.41 - -
Cybersecurity Electronic Commerce	- - - -	- 0.50 - -	-0.06 - -	- - -	-0.03 - -	- - -	-	\$0.41 - - -	- - - -	- - - -	\$0.41 - - -
Cybersecurity Electronic Commerce Emergency Planning & Response	-	0.50 - - -	-0.06 - - -	- - - -	-0.03 - - -	- - - -	- - - -	\$0.41 - - - -	- - - -	- - - - 0.24	- \$0.41 - - - \$0.24
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance	-	0.50 - - - -	-0.06 - - - - - 1.94	- - - - -	-0.03 - - - -	- - - -	- - - -	\$0.41 - - - - - \$1.94	- - - - -	- - - - 0.24	· -
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure	-	0.50 - - - - -	- - -	- - - - -	-0.03 - - - - -	- - - - -		- - -	- - - - -	- - - - 0.24 -	- - \$0.24
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps		0.50 - - - - - -	- - -	- - - - - - -	-0.03 - - - - - -	- - - - - -	-	- - -	- - - - - - -	0.24	- - \$0.24
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats	- - - - - - - -	- - - - -	- - -	- - - - - - - -	-0.03 - - - - - - -	- - - - - - -	-	- - -	- - - - - - - -	0.24	- - \$0.24
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism -	- - - - - - - -	- - - - -	- - -	- - - - - - - -	-0.03 - - - - - - -	- - - - - - -	- - - - - - - -	- - -	- - - - - - - -	0.24	- - \$0.24
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling		- - - - - - -	1.94	-	- - - - - -	-		\$1.94 - - -		- - -	\$0.24 \$1.94
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request	\$15.00	- - - - - - - - -	1.94	\$3.31		\$11.00	\$2.56	\$1.94 - - - - - - - - - - - - - - - - - - -	\$45.42 \$45.42	- - - \$3.03	\$0.24 \$1.94 - - - \$441.37
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets	1	- - - - - - -	1.94	\$3.31 \$3.31	- - - - - -	-	\$2.56	\$1.94 - - - - - - - - - - - - - - - - - - -	\$45.42 \$45.42	- - -	\$0.24 \$1.94 - - \$441.37
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security	1	\$203.80 \$203.80	1.94	\$3.31		\$11.00		\$1.94 - \$392.92 \$377.92 \$0.30		- - - \$3.03	\$0.24 \$1.94 - - - \$441.37 \$426.37 \$0.30
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism	1	\$203.80 \$203.80 \$27.00	1.94 - - \$153.55 \$153.55	\$3.31 \$3.31	\$3.70	\$11.00 \$11.00		\$1.94 - \$1.94 - - \$392.92 \$377.92 \$0.30 \$27.00		- - - \$3.03	\$0.24 \$1.94 - - - \$441.37 \$426.37 \$0.30 \$27.00
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism Cybersecurity	1	\$203.80 \$203.80 - 27.00 147.50	1.94 - - \$153.55 \$153.55	\$3.31 \$3.31		\$11.00		\$1.94 - - \$392.92 \$377.92 \$0.30 \$27.00 \$160.55		- - - \$3.03	\$0.24 \$1.94 - - \$441.37 \$426.37 \$0.30 \$27.00 \$160.55
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism Cybersecurity Electronic Commerce	1	\$203.80 \$203.80 - 27.00 147.50 4.50	1.94 - - \$153.55 \$153.55 - - 5.05 3.00	\$3.31 \$3.31	\$3.70	\$11.00 \$11.00		\$1.94 - \$1.94 - - \$392.92 \$377.92 \$0.30 \$27.00 \$160.55 \$7.50		- - - \$3.03	\$0.24 \$1.94 \$1.94 \$441.37 \$426.37 \$0.30 \$27.00 \$160.55
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism Cybersecurity Electronic Commerce Emergency Planning & Response	1	\$203.80 \$203.80 - 27.00 147.50	\$153.55 \$153.55 \$153.55 \$153.55 3.00 24.50	\$3.31 \$3.31	\$3.70	\$11.00 \$11.00		\$1.94 \$1.94 \$392.92 \$377.92 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30		- - - \$3.03	\$0.24 \$1.94 \$441.37 \$426.37 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance	1	\$203.80 \$203.80 - 27.00 147.50 4.50	1.94 - - \$153.55 \$153.55 - - 5.05 3.00	\$3.31 \$3.31 0.30	\$3.70 \$3.70 \$3.70 - - 2.00	\$11.00 \$11.00	\$2.56 - - - - -	\$1.94 	\$45.42 - - - - - -	\$3.03	\$0.24 \$1.94 \$1.94 \$441.37 \$426.37 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security	1	\$203.80 \$203.80 - 27.00 147.50 4.50	\$153.55 \$153.55 \$153.55 \$153.65 3.00 24.50 26.00	\$3.31 \$3.31	\$3.70 \$3.70 \$3.70 - - 2.00	\$11.00 \$11.00 - - 6.00		\$1.94 - \$1.94 - - \$392.92 \$377.92 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00 \$5.57		- - - \$3.03	\$0.24 \$1.94 \$1.94 \$441.37 \$426.37 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00 \$9.02
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure	1	\$203.80 \$203.80 \$27.00 147.50 4.50 24.80	\$153.55 \$153.55 \$153.55 \$153.55 - - 5.05 3.00 24.50 26.00 - 95.00	\$3.31 \$3.31 0.30 - - - - 3.01	\$3.70 \$3.70 \$3.70 - - 2.00 - 1.00 - -	\$11.00 \$11.00 - - 6.00 - - - 5.00	\$2.56 - - - - -	\$1.94 	\$45.42 - - - - - - 0.42	\$3.03	\$0.24 \$1.94 - - \$441.37 \$426.37 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00 \$9.02 \$100.70
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps	-	\$203.80 \$203.80 - 27.00 147.50 4.50	\$153.55 \$153.55 \$153.55 \$153.65 3.00 24.50 26.00	\$3.31 \$3.31 0.30	\$3.70 \$3.70 \$3.70 - - 2.00	\$11.00 \$11.00 - - 6.00 - - - - 5.00	\$2.56 - - - - -	\$1.94 - \$392.92 \$377.92 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00 \$5.57 \$100.70	\$45.42 - - - - - -	\$3.03	\$0.24 \$1.94 - - \$441.37 \$426.37 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00 \$9.02 \$100.70 \$45.00
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats		\$203.80 \$203.80 \$27.00 147.50 4.50 24.80	\$153.55 \$153.55 \$153.55 \$153.55 - - 5.05 3.00 24.50 26.00 - 95.00	\$3.31 \$3.31 0.30 - - - - 3.01	\$3.70 \$3.70 \$3.70 - - 2.00 - 1.00 - -	\$11.00 \$11.00 - - 6.00 - - - 5.00	\$2.56 - - - - -	\$1.94 - \$392.92 \$377.92 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00 \$5.57 \$100.70	\$45.42 - - - - - - 0.42	\$3.03	\$0.24 \$1.94 \$1.94 \$441.37 \$426.37 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00 \$9.02 \$100.70 \$45.00
Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps Defending Against Catastrophic Threats Research to Combat Bioterrorism - Microbial Genomics, Analysis & Modeling FY 2016 Request Protecting Critical Infrastructure & Key Assets Antarctic Physical Security Counterterrorism Cybersecurity Electronic Commerce Emergency Planning & Response Energy Supply Assurance IT Security Resilient Infrastructure Scholarship for Service/Cybercorps	-	\$203.80 \$203.80 \$27.00 147.50 4.50 24.80	\$153.55 \$153.55 \$153.55 \$153.55 - - 5.05 3.00 24.50 26.00 - 95.00	\$3.31 \$3.31 0.30 - - - - 3.01	\$3.70 \$3.70 \$3.70 - - 2.00 - 1.00 - -	\$11.00 \$11.00 - - 6.00 - - - - 5.00	\$2.56 - - - - -	\$1.94 - \$392.92 \$377.92 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00 \$5.57 \$100.70	\$45.42 - - - - - - 0.42	\$3.03	\$0.24 \$1.94 - - \$441.37 \$426.37 \$0.30 \$27.00 \$160.55 \$7.50 \$50.30 \$26.00 \$9.02 \$100.70 \$45.00

Totals may not add due to rounding.