



BINGHAMTON
UNIVERSITY
STATE UNIVERSITY OF NEW YORK

National Science Foundation Cybercorps® Scholarship For Service

Websites:

- <https://sites.google.com/binghamton.edu/ciac/scholarship-for-service>
- <https://sfs.opm.gov/>





NSF Cybercorps® Scholarship For Service

Cybersecurity: A National Priority

- ❖ It is critically important to maintain the safety and integrity of our nation's cyber infrastructure.
- ❖ The cybersecurity workforce in the United States saw a 30% increase in 2021.
- ❖ However, over **377,000** cybersecurity positions remained unfilled in the United States in 2021.

2021 Cybersecurity Workforce Study

A Resilient Cybersecurity Profession Charts the Path Forward





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Binghamton's SFS Program

- ❖ \$3.5 million five-year grant from the NSF to fund SFS Scholars.
- ❖ The goal is to train highly skilled cybersecurity professionals for entry into the government workforce and for long-term success in cybersecurity careers.





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SFS Benefits to You

- ❖ The SFS scholarship will **cover**:

- Tuition + part of fees
- Stipend
 - \$25,000 stipend per year for undergrads in 4+1 program
 - \$34,000 stipend per year for graduate students
- Up to 3 years of funding
- Plus up to \$6,000 per year for related expenses
 - SFS Job Fair, conferences, bootcamp, research materials and supplies, laptop, books, professional cybersecurity training and certifications, etc.
- Note: Like any income, portions of the SFS scholarship may be taxable.



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Your Service Commitment

1. Commit to work in a cybersecurity position upon graduation for
 - government organization
 - national laboratory
 - an SFS institute
 - for a period of time equal to the period of funding.
2. Seek and join a summer internship each year with a government agency during SFS scholarship.
 - The OPM hosts two job fairs for SFS scholars each year.
 - Each government organization has an SFS point of contact whom scholars can connect with.
 - SFS Faculty will assist scholars on job/internship search and placement.



Eligibility

- U.S. citizen.
- full-time 4+1 undergrad (GPA 3.3 or better) OR
- full-time MS student OR
- full-time PhD student working on cybersecurity
- Undergrad/MS students must be enrolled in one of the following cybersecurity programs:
 - Cybersecurity Track (CS, recommended)
 - Information Assurance Area of Specialization (ECE), or
 - Advanced Certificate in Cybersecurity (CS & ECE)
- 4+1 students can be supported in Senior year + MS year.
- Willingness & ability to obtain a security clearance, if needed.



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SFS Scholars: Training

- **Cybersecurity courses**
 - Architectural support for security
 - Software & systems security
 - Malware analysis
 - AI-based security
 - Mobile and IoT security
 - Steganography Steganalysis Forensics
 - Privacy
 - Cybersecurity ethics and education
- **Research training**
 - Each scholar will be assigned one or more faculty mentors.
 - Work with the faculty mentor on a cybersecurity related project through
 - MS project/thesis
 - independent study
 - Ph.D. dissertation.
 - Attend cybersecurity conferences and seminars



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SFS Scholars: Training

- **Hands-on training:** Capture The Flag (CTF) club, cybersecurity competitions.
- **Career training:** ethics, communication, writing, presentation, critical thinking, and teamwork.
- **K-12/Community outreach:** make an impact on community



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Scholar Appointment and Repayment

- ❖ Each scholar needs to complete the **service agreement questionnaire** and sign the **OPM service agreement**
- ❖ Satisfy academic/service requirements to avoid repayments (**>95%** success rate so far for SFS program)
- ❖ Repayment situations
 - failing to fulfill the post-award employment obligation
 - declaring intent not to fulfill the post-award employment obligation
 - dismissal from the university for disciplinary reasons
 - withdrawal from the degree program before completing the program



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Top SFS employers

- ❖ National Security Agency (NSA)
- ❖ Central Intelligence Agency (CIA)
- ❖ Federal Bureau of Investigations (FBI)
- ❖ Air Force/DoD Research Labs
- ❖ MITRE
- ❖ Department of Navy/Homeland Security/State
- ❖ Department of Defense/Commerce/Justice
- ❖ Sandia/Lincoln/Pacific Northwest/Los Alamos/Idaho National Labs
- ❖ State/local governments
- ❖ NASA, MIT Lincoln Labs
- ❖ Office of Inspector General in every government agency.



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Interested? Contact us!

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Apply:

- <https://sites.google.com/binghamton.edu/ciac/scholarship-for-service>