

## Education Opportunity in Information Assurance and Cyber Security (IA/CS) – (2018-19)



<http://www.cse.buffalo.edu/caeiae/>

In 2018, UB is recommended (subject to availability of funds) to receive a new 5-year Federal Cyber Service grant from NSF to educate students in IA/CS under the aegis of CEISARE which is a NSA- and DHS-certified center of excellence in research and education at UB. In year 2018-19, we plan to admit 4-5 new students. We provide support for two consecutive years in the BS/MS, MS and PhD programs and this program will continue until 2023 in the current cycle.

### Federal Cyber Service: Scholarship for Service (SFS) Program at NSF

National Science Foundation started the Federal Cyber Service program 17 years ago as a means to increase the number of qualified students in the area of information assurance and computer security (IA/CS). The motivation was to build capacity in the U.S. higher education enterprise to deal with the shortage of skilled professionals in the IA and cyber security fields at the various federal agencies. This is one of the high-profile programs started by NSF and during the past few years, universities took up the challenge and produced hundreds of scholars who are now working for the federal government. Through this award, UB will be in a position to contribute to this cause in the coming years.

### What is covered by the Scholarship?

The scholarship covers **two years** of education in the BA/BS/MS/MBA/PhD programs with Information Assurance option. The **BS/MS students** will be initially supported as undergrads. The following items are covered. • Tuition • Fees • Books • Health Insurance • Yearly Stipend (\$20,000 for Undergrads, \$34,000 for Grads) • Conference travel

### Eligibility

- In fall 2018, undergrad applicants must be seniors in their BS/BA programs, grads in their first year of MS
- Must be U.S. citizens or permanent residents
- Must be able to obtain security clearance and be eligible for federal employment
- If not a UB student, must be eligible for admission to the MS/MBA program at UB in the Engineering, Business, Law, Math, Communication disciplines

### Student Commitments

Scholars are required to do a paid internship and work for a federal, state or local agency year-for-year upon graduation.

### Application Process and Points of Contact

The application process is described at: <http://www.cse.buffalo.edu/caeiae/>. Application deadline is *May 31, 2018*. Prof. Shambhu Upadhyaya, CSE ([shambhu@buffalo.edu](mailto:shambhu@buffalo.edu)); Prof. Larry Sanders, MIS ([mgtsand@buffalo.edu](mailto:mgtsand@buffalo.edu)); Prof. Thomas Cusick, Math ([cusick@buffalo.edu](mailto:cusick@buffalo.edu)); Prof. Mark Bartholomew, Law ([bartholo@buffalo.edu](mailto:bartholo@buffalo.edu)).

**Note:** There is a similar scholarship program with the U.S. Department of Defense. Look at CEISARE webpage: [http://www.cse.buffalo.edu/caeiae/ia\\_scholarship\\_opportunities\\_-\\_2018.htm](http://www.cse.buffalo.edu/caeiae/ia_scholarship_opportunities_-_2018.htm) for last year's announcement.