



## Open Call: Fulbright Specialist Program

### Computer Science and Information Technology Open Project

The Fulbright Specialist Program (FSP) is seeking a highly qualified professional to serve as a Specialist for a 42-day project, “Building Cybersecurity Capacity at ULS” to take place in El Salvador.

The Fulbright Specialist Program (FSP), part of the larger Fulbright Program, was established in 2001 by the U.S. Department of State, Bureau of Educational and Cultural Affairs (ECA). The program pairs highly qualified U.S. academics and professionals with host institutions abroad to share their expertise, strengthen institutional linkages, hone their skills, gain international experience, and learn about other cultures while building capacity at their overseas host institutions. Grant benefits include international round-trip economy class airfare, transit allowance, all applicable visa fees, a daily honorarium, enrollment in a limited health benefits program, lodging, meals, and in-country transportation.

**Host Institution:** Universidad Luterana Salvadoreña

**Project Title:** “Building Cybersecurity Capacity at ULS” (P010956)

**Proposed Timeframe:** The project may be completed between May and September, 2025.

**Location of Project:** San Salvador, El Salvador

#### Project Description:

Data security is crucial for any organization, and being prepared to handle data breaches is essential in today’s digital environment. The issue of data theft highlights the need to clearly distinguish between ethical hacking and malicious hacking. Understanding this difference is fundamental to addressing vulnerabilities in information systems and enhancing the protection of systems and data.

The challenge extends beyond immediate security concerns. As our students graduate and enter a workforce increasingly reliant on digital infrastructure, the demand for professionals with cyber security expertise continues to grow. Building cyber security capacity and knowledge in ethical hacking will enable ULS to prepare its academic community to effectively tackle the challenges of the digital environment.

#### Project Activities:

1. Conduct a Comprehensive Cyber security Needs Assessment at ULS: The Fulbright Specialist is expected to perform a thorough technical assessment of the university’s digital infrastructure, including network security, data management protocols, software security measures, and user access controls. This evaluation will identify existing vulnerabilities, such as outdated systems, lack of encryption, or inadequate user authentication protocols, in order to develop a cyber security improvement road map.
2. Development and Implementation of a Cyber security and Ethical Hacking Course: The specialist will develop a comprehensive course on cyber security and ethical hacking, covering everything from basic concepts to advanced practical techniques. This course will include both theoretical and practical modules, allowing participants to apply the knowledge gained in controlled environments.

#### Specific Tasks:

- a. Design the course content (Virtual Platform), including teaching materials, case studies, and practical labs
- b. Deliver lectures and hands-on workshops for students and faculty.
- c. Evaluate students’ progress through final project milestones.
- d. Create a repository of cyber security resources and tools for ongoing use.



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### Preferred Qualifications

The Specialist for this project should have a background in cybersecurity, ethical hacking, information system security, emerging technologies, and educational technology and curriculum development. In addition, the Specialist should have Level 4 (Full Professional Proficiency) Spanish linguistics abilities.

### How to Apply

Applicants must meet all program eligibility criteria, including U.S. citizenship. A complete list of U.S. applicant eligibility criteria can be found at <https://fulbrightspecialist.worldlearning.org/eligibility-specialists>.

**Applicants must submit a CV and a completed “Submission of Interest Form” (<https://bit.ly/3AfgGOJ>) via email to [fulbrightspecialist@worldlearning.org](mailto:fulbrightspecialist@worldlearning.org) no later than Monday, February 24, 2025 to be considered as a candidate.**

Please note that if you are selected as a potential candidate for this project, **you will be required to submit an official application to join the Fulbright Specialist Roster** in order to serve as the Specialist for this project. If you are interested in applying to the Roster in the meantime, please let our team know and we would be happy to help you with setting up your Roster account. For more information regarding this process and the program, visit <https://fulbrightspecialist.worldlearning.org/application-specialists/>.



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