國家資通安全研究院
National Institute of Cyber Security

2024 International Cybersecurity Training Course Admissions Brochure

Organizer: National Institute of Cyber Security
August 2024

1. Course Objectives

With the increasing complexity and frequency of cyber threats, the cultivation of cybersecurity talent with practical capabilities has become a critical priority for governments, enterprises, and organizations worldwide. To address this urgent need, National Institute of Cyber Security (NICS) presents the "International Cybersecurity Training Course", which is designed to

- Promote the internationalization of top practical cybersecurity courses
- Facilitate the cultivation and exchange of international cybersecurity talents
- Provide a comprehensive blend of theory and hands-on practice

Through the close integration of theory and practice, students and practitioners will not only master the latest cybersecurity knowledge, but also develop the practical skills to cope with various cyber threats, so as to gain an in-depth understanding of the latest attacking tactics and defense strategies. Students will also engage in cross-cultural exchange with their peers from diverse backgrounds, so as to promote the cultivation and exchange of cybersecurity talents and build up an internationalized vision of Taiwan's cybersecurity.

2. Advisor

Administration for Cyber Security, Taiwan

3. Organizer

National Institute of Cyber Security, Taiwan

4. Course Topics and Content

4.1 Topic

Red Team—Web Security and Penetration Testing in Detail and Practice

4.2 Content

- Penetration Testing and Web Security Fundamentals
    - Introduction to Penetration Testing Principles and Methodologies
    - Reconnaissance and Information Gathering Techniques
- Introduction to Performing Penetration Testing and Tools
    - Familiarization with Popular Penetration Testing Tools and Frameworks
    - Hands-on Exercises with Penetration Testing Tools

- Introduction to OWASP Top 10
  - Overview of the OWASP Top 10: Most Critical Web Application Security Risks
  - Risk Rating Methodology and Impact Analysis
  - Hands-on Lab: Identifying and Exploiting Vulnerabilities from the OWASP Top 10
- OWASP Top 10 Details (Including Hands-on Labs)
  - In-depth Explanation of Each OWASP Top 10 Category
  - Step-by-step Walkthroughs and Real-World Case Studies
  - Hands-on Labs: Discovering, Exploiting, and Mitigating Vulnerabilities

5. Training Participants

25 international students and workers studying or working in Taiwan

6. Course Instructor

Jasper Yu, an expert in the domestic information security industry, was a finalist in the 47th WorldSkills Competition and had been shortlisted for many international security events such as HITCON and DEFCON.

7. Class time

October 27, 2024, 9:00 a.m. to 16:00 p.m.

8. Class Location

Taipei Heng-Yi Education and Training Center (UCOM)
(Address: No. 99, Fuxing N. Road, Songshan District, Taipei City)

9. Registration and Admission Methods

- Period: From September 16 to September 30, 2024.
- Registration: Register via email. Please download the brochure (including the registration form) from the NICS official website (https://www.nics.nat.gov.tw), complete the registration form, sign the personal information consent form, and submit them via email to TE-ATC@nics.nat.gov.tw to complete the registration procedure.

- Admission: Due to the limited number of places, NICS will review and admit qualified applicants according to the order of the registration time. The review and admission results will be notified by email. However, NICS reserves the right to admit the students.

10. Course Contact Window

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