



**SUMMER
SPRINGBOARD**
Look Inward. Go Upward.

Cybersecurity @ MIT Infosheet

New student admissions for
Summer 2024 are open.



Program Highlights

- Discover cybersecurity basics, key terms and environment set up
- Learn Encryption, Hashing, and Encoding Fundamentals
- Understand common security failures
- Group challenge using Open Source Intelligence "OSINT"
- Students will work collaboratively in a live hacking challenge
- Explore career possibilities, security analyst, ethical hacker, digital forensic investigator, Chief Information Security Officer (CISO)
- Coding experience helpful, but not required



2024 Dates

Boston

- Session 2: June 30 - July 12



Academic Program Overview

Cybersecurity is an increasingly growing field which plays a vital role around the world. Cybersecurity needs the brightest minds to attack some of the biggest global challenges and corporations are hiring cybersecurity professionals at a rapid clip. The Summer Springboard Pre-College Program in Cybersecurity will introduce students to the foundational concepts, commonly used tools, key technical skills, and potential career pathways that the cybersecurity industry has to offer. Students will have the opportunity to engage in hands-on exercises and fun hacking challenges where they can put their cybersecurity knowledge to the test. Students will leave the program armed with technical skills and creative thinking that can be applied across university courses and professional industries.



Excursions

Excursions: Students will visit MIT's Information Security and Technology facilities and data centers, talk to the students about how they protect MIT students and faculty from cyber threats, etc..



Course Structure

There are nine 3-hour class sessions over the two-week course. During week one, students have class from 9am-12pm, Monday - Friday. During week two students have class from 9am-12pm Monday through Thursday. Classes are held at MIT. Wednesday afternoons are dedicated to additional academic time (excursions, speakers).

Instructors

Bobby Rauch and Brady McNitt

Bobby is a Boston-based offensive security engineer and red teamer at a Fortune 500 and a security researcher. He has found high severity vulnerabilities in Fortune 500 companies including Microsoft, Apple, and Oracle. His research has been published by the Boston Globe, Brian Krebs, Bleeping Computer, Ars Technica, and other major tech publications. His technical blog posts have been read more than 200,000 times, and he has spoken at offensive security conferences around the world including Hardwear.io, m0lecon Turin, and Bsides London. Bobby designed and recorded an introductory cybersecurity course for the online learning platform, LinkedIn Learning. Bobby also serves as a mentor helping advise those who are trying to break into the cybersecurity industry. Bobby holds a Bachelor's Degree in Computer Science from MIT, as well as the OSCP (Offensive Security Certified Professional) and OSWE (Offensive Security Web Expert) certifications.

Brady has over 15 years of experience across security and technology, with a focus on securing and enabling business at the speed of development. His career providing guidance, consultation, and expertise has spanned both public and private sectors including financial services, higher education, local and state government. He holds a bachelor's degree from Louisiana State University with certifications from SANS, notably the GIAC Penetration Tester (GPEN) and GIAC Web Application Penetration Tester (GWAPT). He is an active member of OWASP, InfraGard, and the SANS GIAC Advisory Board. In his spare time he enjoys competing in cybersecurity Capture the Flag (CTF) events, most recently the SANS NetWars Tournament of Champions, and attending training, conferences, and local security meetups including Black Hat, DEFCON, and BSides. Brady is passionate about mentoring and believes in preparing the next generation for the growing and evolving cybersecurity challenges of tomorrow.

Tuition Information:

Residential Students:

- Includes: all meals, lodging, excursions, academic course, weekend excursions
- Excludes: optional airport pickup and drop off service (available for an additional fee)
- Price: \$5,498

Commuter Students:

- Includes: lunch, academic course, excursions, programming from 9am to 6pm, Monday-Friday
- Excludes: lodging, breakfast, dinner, weekend excursions
 - Weekend excursions can be added on for \$125 per day
- Price: \$3,198

Supplements:

- Application fee: \$99 (mandatory, non-refundable)
- Cybersecurity @ MIT course supplement: \$250 (mandatory)
- Tuition Protection Plan: Allows for cancellation for any reason up until the day of the program. Click [here](#) for more info.



Typical Schedule



More info on [Airport Transfer](#)

More info on [Unaccompanied Minor Service](#)

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