

Course Syllabus

MITRE ATT&CK Defender™ (MAD) ATT&CK® Cyber Threat Intelligence Certification Training

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Course Description and Goals

Course Description: The ATT&CK® team will help you learn how to leverage ATT&CK® to improve your cyber threat intelligence (CTI) practices. This course provides hands-on instruction in mapping narrative reporting and raw data to ATT&CK®, efficiently storing and expressing the mapped intelligence, and operationalizing the intelligence through actionable recommendations to defenders.

Target audience: ATT&CK® for Cyber Threat Intelligence is an intermediate course that focuses on identifying, developing, analyzing, and applying ATT&CK®-mapped intelligence. Participants should have a solid understanding of the ATT&CK® framework. If you're unfamiliar with ATT&CK®, we suggest that you take MITRE ATT&CK Defender™ (MAD) - ATT&CK® Fundamentals prior to this course.

Prerequisites:

- An understanding of the ATT&CK® framework through the [MITRE ATT&CK Defender™ \(MAD\) – ATT&CK® Fundamentals course](#)
- An understanding of security concepts, previous training, or prior CTI field experience

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Upon completion of ATT&CK® for Cyber Threat Intelligence, we recommend that you expand your ATT&CK® knowledge and operations with one of the following courses:

- MITRE ATT&CK Defender™ (MAD) - Detection and Analytics / TTP Hunting
- MITRE ATT&CK Defender™ (MAD) – Threat Emulation
- MITRE ATT&CK Defender™ (MAD) – Adversary Engagement

Supplementary Materials:

- [ATT&CK® Website](#)
- [MITRE ATT&CK®: Design and Philosophy](#)
- [MITRE ATT&CK Defender™ \(MAD\) – ATT&CK® Fundamentals](#)
- [Getting Started with ATT&CK®](#)
- [ATT&CK® Blog](#)

Defensive Resources

- ATT&CK®: <https://attack.mitre.org>
- Cyber Analytics Repository: <https://car.mitre.org/>
- Threat Hunter Playbook: <https://github.com/hunters-forge/ThreatHunter-Playbook>

Course Goals: By the end of this course, students should be able to:

- Map to ATT&CK® from both narrative reporting and raw data
- Effectively store and display ATT&CK®-mapped data
- Leverage ATT&CK® Navigator for analysis
- Perform CTI analysis using ATT&CK®-mapped data
- Provide actionable defensive recommendations based on ATT&CK®-mapped data

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Course Outline

Module 1 | Mapping to ATT&CK® from Narrative Reports

Lesson 1.1: Challenges, Advantages, and the Process of Mapping to ATT&CK®

Lesson 1.2: Identify and Research Behaviors

Lesson 1.3: Translate Behaviors to Tactics, Techniques, and Sub-techniques

Lesson 1.4: Mapping to a Narrative Report

Lesson 1.5: Comparing Your Results

Module 2 | Mapping to ATT&CK® from Raw Data

Lesson 2.1: The Process of Mapping from Raw Data

Lesson 2.2: Identify and Research Behaviors

Lesson 2.3: Translate Behaviors to Tactics, Techniques, and Sub-techniques

Lesson 2.4: Raw Data to Narrative Reporting

Module 3 | Storing and Analyzing ATT&CK®-Mapped Data

Lesson 3.1: Storing and Displaying ATT&CK®-mapped Data

Lesson 3.2: Expressing ATT&CK®-mapped Data

Lesson 3.3: Analyzing ATT&CK®-mapped Data

Lesson 3.4: Comparing Layers in ATT&CK® Navigator

Module 4 | Making Defensive Recommendations from ATT&CK®-Mapped Data

Lesson 4.1: The Defensive Recommendation Process

Lesson 4.2: Research How Techniques and Sub-techniques are Being Used & the Defensive Options

Lesson 4.3: Research Organizational Capabilities and Constraints & Determine Trade-offs

Lesson 4.4: Make Defensive Recommendations

Lesson 4.5: Prioritize and Customize Defensive Recommendations

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