WH40K Magos-Rated Cybersecurity Curriculum

Audience: Intermediate students preparing for internships or junior roles  
Duration: 12 weeks

## Week 1: API Basics & REST Concepts

Understand HTTP methods and JSON using Postman and Flask.

## Week 2: Authentication & Sessions

Implement login/logout, sessions, and JWT with Flask.

## Week 3: Intro to API Recon

Use Burp Suite and Amass to enumerate endpoints.

## Week 4: Secure Code Review Lite

Analyze hardcoded credentials using GitHub and Semgrep.

## Week 5: Cloud Misconfigs (AWS)

Find and fix open S3 buckets using AWS CLI.

## Week 6: Docker for Security

Secure Dockerfiles and scan containers for secrets.

## Week 7: SIEM Introduction

Install and configure Wazuh or use Splunk to detect logins.

## Week 8: Mini Red vs Blue Drill

Red team: brute force with Hydra. Blue team: analyze logs.

## Week 9: GitHub & Secure DevOps

CI pipelines with secret scanning and linting.

## Week 10: Intro to CTFs

Play PicoCTF and solve 3 beginner-level web/API challenges.

## Week 11: API Security Review

Review endpoint logic and auth design with Postman.

## Week 12: Final Project

Build and submit secure API with brief peer review.