



## IS 5403 Cybersecurity Course Schedule

Note: Review syllabus in Moodle course for details on the late policy for this course.

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### Week 1: Introduction to Cybersecurity Tools & Cyber Attacks

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- Due 3/13/24 Wednesday 11:59 PM EST
  - Podcast Discussion Forum (Initial)
- Due 3/17/24 Sunday by 11:59 PM EST
  - History of Cybersecurity Quizzes
  - Types of Actors and Their Motives Quizzes
  - Overview of Key Security Concepts Quizzes
  - Overview of Key Security Tools Quizzes
  - Podcast Discussion Forum (Replies)
  - Podcast Quiz
  - Storytime Video Response
  - Week 1 Reflection Blog
  - Certificate and Score Submissions

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### Week 2: Cybersecurity Roles, Processes, & Operating System Security

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- Due 3/20/24 Wednesday 11:59 PM EST
  - Podcast Discussion Forum (Initial)
- Due 3/24/24 Sunday by 11:59 PM EST
  - People Process & Technology Quizzes
  - Examples & Principles of the CIA Triad Quizzes
  - Authentication and Access Control Quizzes
  - Windows OS Security Basics Quizzes
  - Linux OS Security Basics Quizzes
  - macOS Security Basics Quiz
  - Overview of Virtualization Quizzes
  - Podcast Discussion (Replies)
  - Podcast Quiz
  - Storytime Video Response
  - Week 2 Reflection Blog
  - Certificate and Score Submissions

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### Week 3: Cybersecurity Compliance Framework & System Administration

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- Due 3/27/24 Wednesday 11:59 PM EST
  - Podcast Discussion Forum (Initial)
- Due 3/31/24 Sunday by 11:59 PM EST
  - Compliance Frameworks and Industry Standards Quizzes
  - Client System Administration, Endpoints Protection and Patching Quizzes
  - Server and User Administration Quizzes

- Cryptography and Compliance Pitfalls Quizzes
- Podcast Discussion (Replies)
- Podcast Quiz
- Storytime Video Response
- Week 3 Reflection Blog
- Certificate and Score Submissions

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## Week 4: Network Security & Database Vulnerabilities

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- Due 4/3/24 Wednesday 11:59 PM EST
  - Podcast Discussion Forum (Initial)
- Due 4/7/24 Sunday by 11:59 PM EST
  - TCP/IP Framework Quizzes
  - Basics of IP Addressing and the OSI Model Quizzes
  - Introduction to Databases Quizzes
  - Deep Dive – Injection Vulnerability Quizzes
  - Final Project
  - Podcast Discussion (Replies)
  - Podcast Quiz
  - Storytime Video Response
  - Week 4 Reflection Blog
  - Certificate and Score Submissions

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## Week 5: Penetration Testing, Incident Response and Forensics

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- Due 4/10/24 Wednesday 11:59 PM EST
  - Podcast Discussion Forum (Initial)
- Due 4/14/24 Sunday by 11:59 PM EST
  - Penetrating Testing Quizzes
  - Incident Response Quizzes
  - Digital Forensics Quizzes
  - Introduction to Scripting Quizzes
  - Podcast Discussion (Replies)
  - Podcast Quiz
  - Storytime Video Response
  - Week 5 Reflection Blog
  - Certificate and Score Submissions

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## Week 6: Cyber Threat Intelligence

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- Due 4/17/24 Wednesday 11:59 PM EST
  - Podcast Discussion Forum (Initial)
- Due 4/21/24 Sunday by 11:59 PM EST
  - Threat Intelligence Quizzes
  - Data Loss Prevention and Mobile Endpoint Management Quizzes
  - Scanning Quizzes
  - Application Security and Testing Quizzes
  - SIEM Platforms Quizzes

- Threat Hunting Quizzes
- Podcast Discussion (Replies)
- Podcast Quiz
- Storytime Video Response
- Week 6 Reflection Blog
- Certificate and Score Submissions

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## Week 7: Cybersecurity Capstone: Breach Response Case Studies

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- Due 4/24/24 Wednesday at 11:59 PM EST
  - Podcast Discussion Forum (Initial)
- Due 4/28/24 Sunday by 11:59 PM EST
  - Cybersecurity Capstone – Breach Response Case Studies
  - Podcast Discussion (Replies)
  - Podcast Quiz
  - Week 7 Reflection Blog

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## Week 8: Cybersecurity Architecture Work due by Saturday at 11:59 PM EST

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- Due 4/31/24 Wednesday 11:59 PM EST
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- Due 5/4/24 Saturday by 11:59 PM EST
  - Cybersecurity Capstone – Breach Response Case Studies (LO6) (LO7)
  - Cybersecurity Architecture: Principles - Response (Presentation)
  - Cybersecurity Architecture: Fundamentals - Response (Presentation)
  - Cybersecurity Architecture Role & Tools - Response (Presentation)
  - Identity and Access Management Response - (Presentation)
  - Endpoint Management - Response (Presentation)
  - Cybersecurity Architecture Network Security - Response (Presentation)
  - Cybersecurity Architecture: Application Security - Response (Presentation)
  - Cybersecurity Architecture: Data Security - Response (Presentation)
  - Cybersecurity Architecture: Detection - Response (Presentation)
  - Cybersecurity Architecture: Response - Response (Presentation)