

SOC for students: Implementation guide

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How to use this guide

This guide is designed to support institutions in launching and sustaining a student Security Operations Center (SOC). It provides an overview of key concepts, planning strategies, and facilitation guidance for the [Student SOC program foundations training](#) course. Whether you're building a program from the ground up or enhancing an existing initiative, this guide offers structured steps, best practices, and instructional resources to ensure success. Learn more about each section to identify where to begin or find the support you need to move forward.

- **[Introduction](#)**
The introduction outlines the increasing demand for cybersecurity professionals and how student SOC's provide hands-on experience while supporting your institution's security posture. It explains the program's purpose, emphasizing skill development, industry alignment, and institutional benefits.
- **[Plan your student SOC](#)**
This section walks through the critical steps of designing and implementing a student SOC. It covers different SOC models, a potential skilling plan, and strategies for successful implementation. It also includes case studies to illustrate successful implementations in various educational settings.
- **[Student SOC program foundations training course: Facilitation guide](#)**
This section provides detailed support for facilitators delivering the "SOC for students" course. It includes lesson structure, facilitation tips, and strategies to ensure students gain technical and operational cybersecurity skills. The guide also highlights resources for engaging students in real-world cybersecurity challenges.

Introduction

Cybersecurity threats are constantly evolving, making the demand for skilled professionals higher than ever. Whether fully student-led or staffed under faculty guidance, a Security Operations Center (SOC) can offer real-world experience, enhance institutional security, and serve as a valuable workforce development initiative.

This guide is designed to help facilitators prepare high school and college students for careers in SOC. Through structured learning, hands-on experience, and certification pathways, students can develop the necessary skills to enter the cybersecurity workforce.

At a glance

This guide provides the resources and structure needed to implement a student SOC program. Inside, you'll find:

- **Implementation support:** Step-by-step guidance on launching and sustaining a student SOC, including staffing models and best practices.
- **A student skilling course:** Four 45-minute lessons designed for undergraduate and high school students covering SOC fundamentals, tools, and best practices.
- **Facilitation guidance:** Facilitator resources and best practices for leading the "SOC for students" skilling course.
- **Hands-on learning:** Real-world cybersecurity scenarios, interactive activities, and SOC simulations.
- **Built-in assessments:** Checks for understanding and exercises to reinforce understanding.
- **Certification opportunities:** Certificate of completion for students upon finishing the "SOCs for students" course, plus resources for industry-recognized certifications.
- **LMS integration:** SCORM-compliant packages available for institutional hosting.

Filling the SOC talent pipeline

In 2023, there were over [4 million unfilled cybersecurity jobs](#) worldwide—a gap that continues to grow as cyber threats increase in scale and complexity. Microsoft is committed to empowering students with the skills needed to meet this demand. Without a robust talent pipeline, Microsoft and the broader tech industry will face challenges in growth and innovation. To address this, Microsoft provides resources, tools, and learning opportunities to help students build future-ready cybersecurity skills.

Program overview

A student SOC program is designed to prepare students for cybersecurity careers while enabling them to actively participate in SOC's at their institutions. This initiative equips students with technical expertise and hands-on experience necessary for cybersecurity careers while strengthening institutional security capabilities.

Outcomes of a student SOC include:

- **Developing a skilled workforce:** A student SOC builds a strong, future-ready talent pipeline by providing students with structured, hands-on cybersecurity training and pathways to earn industry-recognized certifications. It also supports diversity initiatives by creating intentional opportunities for underrepresented groups to access cybersecurity careers.
- **Strengthening industry resilience:** By preparing students with real-world security expertise, student SOC programs contribute directly to reducing the global cybersecurity skills gap. Students gain operational experience that equips them to meet the increasing demand for qualified cybersecurity professionals.
- **Creating innovative learning environments:** A student SOC fosters an applied learning environment by embedding cybersecurity operations into academic curricula. It encourages collaboration between students, faculty, IT staff, and industry partners, allowing for cross-disciplinary learning and engagement with real-world security challenges.
- **Enhancing institutional security:** Through structured student involvement, institutions benefit from a proactive, cost-effective security infrastructure. A mature student SOC can also expand its services to support regional schools, nonprofits, and small businesses, providing students with client-facing experience while contributing to community cybersecurity resilience.
- **Supporting Student Professional and Personal Development:** Beyond technical skills, participation in a student SOC promotes critical soft skills such as communication, teamwork, leadership, and ethical decision-making. Students develop the competencies needed to excel in the workforce and grow as responsible cybersecurity professionals.

Plan your student SOC

Building a student SOC requires thoughtful planning and strategic execution to ensure a successful and impactful program. In this section, we'll introduce key steps for developing your student SOC, which we will explore in more detail throughout the guide.

Whether you're starting from scratch or refining an existing program, these steps will help you create a structured, sustainable SOC that prepares students for the cybersecurity workforce while strengthening institutional security. Feel free to start with the steps that best align with your current needs or work through them sequentially to build a comprehensive program.

1. **Examine real-world case studies:** Study institutions that have successfully implemented student SOC programs. These case studies offer valuable insights into overcoming challenges, selecting the right program model, and achieving sustainable success.
2. **Review strategies for a successful student SOC:** Explore best practices related to resource allocation, physical or virtual space design, student supervision, and training models. This step will guide you in creating an organized, engaging, and supportive learning environment.
3. **Choose a student SOC model:** Select a student SOC model that aligns with your institution's goals, student population, and available resources. The model you choose will shape the program's structure, the scope of student responsibilities, and the level of faculty or professional oversight.
4. **Establish a skilling plan:** Develop a structured training plan that blends foundational knowledge, practical hands-on learning, soft skills development, and industry certification opportunities. A clear skilling pathway ensures that students are workforce-ready and able to contribute meaningfully to SOC operations
5. **Grow your program** (Grow and Sustain Your Program): As your student SOC develops, look for ways to expand its impact. This could include creating leadership roles for students, offering services to community partners, and positioning the SOC as a sustainable resource for both your institution and the broader community. □
6. **Review Institutional Policies and Compliance Requirements:** Ensure that your student SOC operations comply with all relevant institutional policies, data privacy regulations, and labor laws. Engage your institution's legal, HR, and IT security teams early in the planning process to establish clear guidelines for student participation, data handling, and incident response.

Examine real-world case studies

To better understand how student SOC's operate in real-world settings, explore these case studies that showcase successful implementations. By analyzing the approach of these institutions, you'll gain insights into the operational models, tools, and strategies that make these student SOC's effective.

- **Oregon State University (OSU)**: After a cyberattack revealed gaps in OSU's security operations, the university decided to involve students in addressing these vulnerabilities. Students now work as analysts in the SOC to detect threats and address vulnerabilities under the guidance of full-time IT staff. Students gain hands-on experience in real-world security operations using Microsoft Security Copilot and Microsoft 365 A5 security tools, offering a valuable learning opportunity while also helping to make a SOC more effective and efficient.
- **University of Cincinnati**: The University of Cincinnati noticed inconsistency in their application of security controls with the prevalence of remote and hybrid learning and cloud services. IT staff decided to tap into its student body for help. Students now monitor university assets and handle the initial incident response under the supervision of full-time university employees. Students receive academic credit while gaining hands-on work experience in security operations using Microsoft Azure and Microsoft 365.

Review strategies for a successful student SOC

Establishing a successful student SOC involves thoughtful consideration and deliberate actions such as allocating the right resources, creating an engaging and realistic experience, and setting up an environment that fosters both learning and security. Review these key strategies for ensuring the success of your student SOC, along with action steps you can take.

Establish a clear scope for your SOC

Before starting your student SOC, define the purpose behind its creation. Are you building the SOC for compliance, to detect specific threats, or to protect data? Clarifying the “why” will help prioritize resources effectively. This strategic approach ensures that efforts are focused on meeting institutional goals and creating a meaningful learning experience. It also helps identify measurable success metrics, which are critical for tracking progress and gaining support from stakeholders.



Action steps

1. Define the objectives and scope of your SOC to align resources with the institution’s needs.
2. Identify measurable success metrics (e.g., number of incidents handled, student certifications achieved, hours of incident response support provided). Engage stakeholders by highlighting the student learning opportunities within the SOC.

Allocate resources appropriately

To run an effective student SOC, it is essential to allocate sufficient resources. This includes providing the necessary infrastructure—such as hardware, software, and cybersecurity tools—and staffing to support the operations of the SOC. Faculty members, IT staff, or external mentors should be available to guide students, particularly when they are faced with real-world incidents. A balance of hands-on student involvement and expert support ensures that students gain experience while maintaining operational effectiveness.



Action steps

1. Provide access to essential cybersecurity tools and platforms (e.g., Microsoft Sentinel, Microsoft Defender).
2. Ensure students have access to dedicated computing devices and secure, high-speed network connections.
3. Identify faculty or professionals who can provide mentorship and oversight.
4. Plan for ongoing funding or partnerships to keep technology and tools up to date.
5. Develop a plan for initial recruitment by connecting with departments with cybersecurity classes or reaching out to student organizations.
6. Establish a documented process for requesting and approving SOC resources.

Establish student incentives

While some institutions offer academic credit, providing paid opportunities helps attract and retain top student talent and reinforces workforce readiness. Consider hiring students as part-time employees or offering paid internships through your institution's HR or student employment office.



Action steps

1. Partner with human resources and finance teams to create paid student employment positions with clear job descriptions.
2. Offer academic credit options for participation in the SOC.
3. Explore work-study programs, scholarships, and grants to reduce financial barriers.
4. Provide recognition opportunities such as certificates, digital badges, and awards.
5. Include SOC participation as part of co-curricular transcripts where applicable.
6. Communicate available incentives clearly during recruitment and orientation.

Set appropriate student work hours

To balance learning and workload, it's essential to follow best practices regarding the number of hours students can work, while complying with labor laws and institutional policies.



Action steps

1. Consider limiting college students to 10-20 hours per week during academic terms to balance work and studies. For high school students, follow child labor laws, which generally limit hours per week during the school year and restrict late-night work.
2. Consult with your institution's HR and legal departments to ensure all student work arrangements comply with federal, state, and local labor laws.
3. Communicate clear scheduling expectations to students, ensuring flexibility during exam periods or heavy academic demands.

Designate adequate physical space

A dedicated space for your student SOC fosters collaboration, focus, and productivity. The SOC should be equipped with the necessary technical infrastructure and designed to facilitate efficient operations. Students should have access to a secure and professional environment where they can respond to security incidents and collaborate with team members effectively.



Action steps

1. Allocate a secure, quiet space where students can focus on tasks like incident response and threat analysis.
2. Ensure the space is equipped with multiple monitors, network connectivity, and necessary security infrastructure.
3. While a physical SOC is preferred, for virtual setups, provide access to secure, cloud-based environments that mirror real-world SOC operations.
4. Consider backup contingency plans for remote participation when needed (e.g., during emergencies or facility closures).

Design an accurate experience

The experience students have in the SOC should be as realistic as possible. To achieve this, use trainings and simulations, like Microsoft's interactive [Student SOC program foundations training](#) course, that offer exposure to real-world threats and scenarios. Industry engagement also provides students with stories and skills that can be valuable in their future careers. By integrating these experiences, you can ensure that students have both the theoretical knowledge and practical expertise to succeed in a live SOC environment.



Action steps

1. Use this guide to [establish a skilling plan](#).
2. Create mentorship opportunities for students to receive guidance from professionals working in the cybersecurity field.
3. Invite guest speakers from cybersecurity companies or local businesses to speak to students about their experiences and career paths.

Implement a train-the-trainer model

A train-the-trainer approach builds program sustainability by enabling experienced student analysts to mentor new recruits. This not only reduces the training burden on faculty and staff but also helps develop leadership, communication, and coaching skills among advanced students. Over time, this model fosters a self-sustaining cycle of knowledge transfer and continuous improvement within the SOC.

Leveraging AI tools can also help ramp up new students faster. Tools like Microsoft Security Copilot offer a plain language interface, allowing students to ask complex questions—such as how to write queries or investigate alerts—and receive guided, understandable answers. This helps students build confidence and learn on the job while reducing reliance on faculty or senior student mentors for every question.



Action steps

1. Designate senior student analysts or graduate assistants as peer mentors.
2. Incorporate AI tools like Security Copilot to help students learn query languages, summarize incidents, and draft reports in real time.
3. Rotate responsibilities so students gain leadership experience and mentor others.

Promote collaboration and teamwork

A successful SOC operates as a team, with students working together to detect, analyze, and respond to threats. Promoting teamwork not only prepares students for real-world job environments but also helps develop key interpersonal skills like communication, problem-solving, and collaboration under pressure.



Action steps

1. Assign students to different roles within the SOC, such as incident responders, analysts, or team leaders, to foster collaboration and responsibility.
2. Hold regular team debriefing sessions to discuss actions taken during incidents and lessons learned.
3. Encourage students to share knowledge and strategies, learning from both their successes and challenges.

Measure success and continuously improve

To support the ongoing effectiveness of your student SOC, implement metrics for success and regularly evaluate the program's impact. This includes assessing both the skills and knowledge that students gain, as well as the overall security improvements made within the institution. Continuous feedback loops allow you to refine the program and adapt it to meet evolving cybersecurity challenges.



Action steps

1. Track student performance through assessments, certification completion, and hands-on experience metrics.
2. Collect feedback from students, faculty, and industry partners to understand areas for improvement.
3. Use [Microsoft's Security Operations self-assessment tool](#) to determine how prepared your SOC team is to detect, respond, and recover when adversaries attack.

Choose a student SOC model

When developing a student SOC, institutions can tailor the program to fit various models, depending on the level of student involvement, the scope of real-world experience, and the degree of faculty or institutional oversight.

- **Student-training SOC:** This model is typically seen in K-12 education institutions like [Operation K12](#), a joint endeavor between Cyber Florida and the University of South Florida. In this model, students focus primarily on training and skill development rather than direct engagement with real-world cybersecurity incidents. The primary objective is to provide foundational cybersecurity knowledge, such as threat detection, incident response, and network security principles. Students participate in simulated scenarios, labs, and classroom-based exercises, all designed to build competencies without exposure to live security threats.
- **Student-staffed SOC:** In this model, students work alongside faculty or cybersecurity professionals to staff and operate a live SOC, typically within higher education institutions like [Oregon State University \(OSU\)](#) and the [University of Cincinnati](#). Students gain exposure to real-world scenarios while working under the guidance of faculty or industry professionals. This model offers a balance between hands-on experience and mentorship, as students actively engage in SOC operations but are not solely responsible for critical decision-making.
- **Student-led SOC:** This model allows students to take the lead in running a SOC and managing real-world security incidents. Institutions like [Auburn University](#) have implemented models where students are responsible for monitoring, analyzing, and responding to live security threats in a controlled environment. Faculty or professional mentors may provide guidance, but students are largely responsible for operational tasks, decision-making, and maintaining the SOC's functionality.

Establish a skilling plan

A successful student SOC program follows a structured pathway, guiding students from foundational cybersecurity knowledge to hands-on SOC operations. This journey also equips students with the skills, certifications, and real-world experience needed to transition into cybersecurity careers. Here is an example of a process you can take to develop your student SOC.

1. Build a strong foundation with student learning.

Students begin with fundamental cybersecurity concepts, including threat detection, incident response, network security, and ethical considerations. This stage introduces the role of SOC, the importance of cybersecurity in modern organizations, and industry best practices.

Use Microsoft's interactive [Student SOC program foundations training](#) course to provide students with a well-rounded SOC foundation by requesting access to the SCORM files. This course includes gamified exercises and cybersecurity simulations, allowing students to apply their knowledge in realistic threat scenarios. These hands-on activities help students develop problem-solving skills and build confidence in cybersecurity operations.

2. Dive deeper with industry-recognized credentials.

To deepen their knowledge, students engage in industry certification courses, like Microsoft Learn's cybersecurity pathways. These courses provide structured pathways covering cybersecurity fundamentals, SOC operations, and Microsoft security technologies. Through self-paced lessons, students gain technical expertise in security tools like Microsoft Defender XDR, Sentinel, and Azure.

These training courses prepare students for Microsoft Certification exams for the opportunity to earn industry-recognized credentials. Consider offering exam vouchers or structured study sessions to support student success.

- [Microsoft Certification: Security, Compliance, and Identity Fundamentals](#)
- [Microsoft Learn Career Path: Training for Security Operations Analysts](#)
- [Microsoft Learn Career Path: Training for Security Engineers](#)
- [Microsoft Applied Skills Credentials: Configure SIEM security operations using Microsoft Sentinel](#)

3. Practice skills with hands-on training.

Students participate in hands-on training experiences that simulate real-world cybersecurity incidents. These trainings reinforce learning by allowing students to apply their knowledge in guided exercises to detect, analyze, and respond to cyber threats.

These experiences provide critical experience that build confidence and enhance problem-solving skills in a SOC setting.

- **Microsoft Security Immersion Workshops:** Interactive labs where students analyze real-world security threats and respond using Microsoft security tools.
- **Tabletop exercises:** Scenario-based training sessions to develop strategic thinking and decision-making skills.
- **Security competitions:** Events like Capture the Flag (CTF) to test problem-solving abilities in cybersecurity challenges.

4. Apply skills with real-world SOC experience.

The final stage involves students actively running or supporting your institution's SOC. By applying their knowledge in a live SOC setting, students gain invaluable experience while contributing to their institution's security posture. This hands-on experience bridges the gap between education and employment, preparing students for careers in cybersecurity.

Depending on the model you chose, students may:

- Assist in monitoring and responding to security incidents.
- Conduct vulnerability assessments and security audits.
- Implement cybersecurity awareness initiatives for faculty and students.

Grow your program

Over time, mature student SOC programs can evolve into low-cost security service providers for regional schools, nonprofits, and small businesses. This not only helps offset program operational costs but also provides students with real-world, client-facing experience in service delivery, reporting, and professional communication. Offering services externally can elevate the visibility of your institution's cybersecurity expertise and position the SOC as both an educational and community resource.

Potential services to offer include:

- Periodic vulnerability assessments and reports
- Security awareness training for local organizations
- Managed phishing simulation campaigns
- Incident response consultation for smaller organizations lacking internal expertise

Action steps

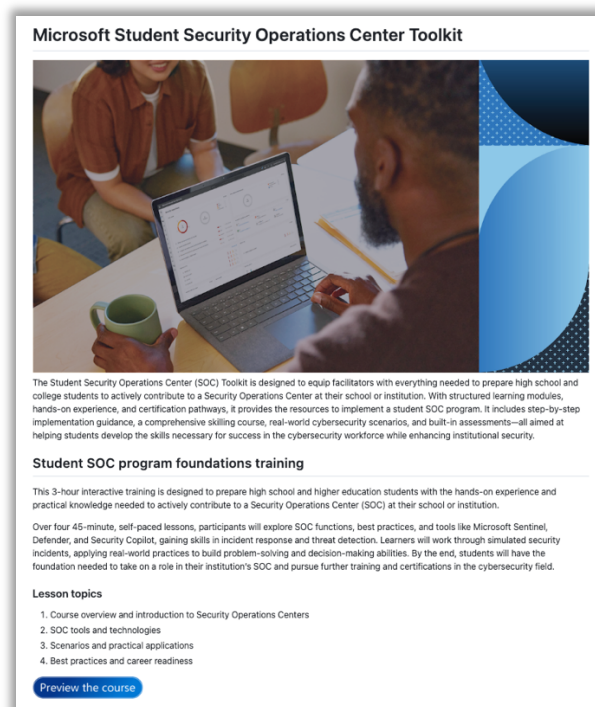
1. Assess institutional policies, legal requirements, and insurance considerations for offering external services.
2. Start with pro bono or grant-funded engagements with community partners or school districts to pilot external services.
3. Develop standard service packages with clear scope, pricing models (if applicable), and defined student and faculty roles.
4. Establish quality control processes to ensure professional, reliable service delivery and protect institutional reputation.
5. Use impact data from external engagements in annual reports and grant proposals to help secure ongoing funding.
6. Continuously gather feedback from clients and students to refine service offerings and expand the program's reach.

For inspiration, explore how the University of South Florida built its mature [SOC Apprentice Program \(SOCAP\)](#).

Student SOC program foundations training course: Facilitation guide

This 3-hour interactive [Student SOC program foundations training](#) course is designed to equip upper high school and higher education students with the hands-on experience and practical knowledge necessary to actively contribute to a Security Operations Center (SOC) at their school or institution. As a facilitator, your role is to guide students through the lessons, provide additional context, and foster engagement throughout the course.

Course overview



Over four 45-minute, self-paced lessons, students will explore SOC functions, best practices, and tools like Microsoft Sentinel and Defender. They will gain skills in incident response and threat detection and work through simulated security incidents to apply real-world practices, enhancing their problem-solving and decision-making abilities. By the end of the course, students will have the foundation needed to take on a role in your institution's SOC and pursue further training and certifications in cybersecurity.

Course objectives

Each lesson in this course is designed to build foundational knowledge and practical skills. Review the objectives for each lesson, which will guide students through the course.

Lesson 1: An introduction to SOC

By the end of Lesson 1, students will be able to:

- Understand the purpose and importance of SOC in cybersecurity.
- Identify the key functions and roles within SOC.
- Recognize common cybersecurity threats and how real-world student SOC mitigate them.

Lesson 2: An overview of SOC tools and technologies

By the end of Lesson 2, students will be able to:

- Describe the capabilities and features of Microsoft SOC tools and technologies.
- Identify how Microsoft's comprehensive solutions integrate with SOC operations.
- Explain the benefits of using AI like Security Copilot in cybersecurity and SOC operations.

Lesson 3: SOC scenarios and the practical application of AI and security tools

By the end of Lesson 3, students will be able to:

- Apply Security Copilot and Microsoft security tools to real-world SOC scenarios.
- Analyze and respond to simulated security incidents using Microsoft tools and Security Copilot.
- Utilize critical thinking skills in cybersecurity contexts.

Lesson 4: Best practices for a career in cybersecurity

By the end of Lesson 4, students will be able to:

- Identify best practices for effective SOC operations.
- Describe the ethical considerations in cybersecurity.
- Articulate cybersecurity career opportunities and pathways.

Course setup

To ensure a smooth and effective learning experience, proper setup of the course within your Learning Management System (LMS) is important. Upload the SCORM file and integrate the course into your LMS platform to track student progress and manage course delivery. These tips will help you optimize the course setup for both engagement and effective learning.

- **Lesson sequencing:** Lessons remain locked until the previous one is completed. Encourage students to fully engage with each lesson before advancing to the next to ensure they understand and retain the material. To support this, you may want to set up checkpoints in your LMS to verify completion and track progress before granting access to the next lesson.
- **Checks for understanding:** Each lesson ends with an embedded comprehension check to ensure students grasp the key concepts. After completing the check with an 80% or higher, the next lesson will unlock. For hands-on activities, such as labs or simulations, consider setting up a separate lesson in your LMS to track completion.
- **Additional setup:** To enhance student engagement and support collaboration, create dedicated discussion threads for each lesson in your LMS. These forums provide spaces for students to share insights, ask questions, and discuss key concepts.
- **Certificate of completion:** Upon successful completion of the course, students will receive a certificate of completion. Encourage students to add this certificate to their professional portfolios, helping them demonstrate their skills to future employers.

Facilitator tips

As a facilitator, your role is to guide students through the course and provide meaningful interactions that enhance their understanding. These tips are designed to help you engage students in learning, encourage deeper reflection, and provide practical opportunities for students to apply their new skills.

- **Discussion questions:** After each lesson, consider facilitating a group discussion or small breakout sessions. Consider these questions:
 - **Lesson 1:** What role do you think SOC's play in protecting organizations, and why are they important in today's cybersecurity landscape?
 - **Lesson 2:** How do Microsoft's tools, such as Sentinel and Defender, help mitigate cybersecurity risks? What are some key features you find valuable?
 - **Lesson 3:** In the scenario you worked through, what was the most challenging aspect of responding to the security incident? How would you improve your response in a real-world context?
 - **Lesson 4:** What career paths in cybersecurity are you most interested in? How can you start preparing for them now?
- **Security tools access:** Throughout the course, students can interact with Microsoft security tools like Microsoft Security Copilot and Microsoft Sentinel. Ensure that students have real access to these tools in a sandbox environment or lab setup, where they can practice incident response and threat detection. If providing direct access to these tools is not possible, the course also offers simulated demonstrations or guided exercises to give students experience with the tools in a controlled setting.

- **Practice opportunities and reflection:** In addition to the course's embedded simulations, incorporate tabletop exercises for further practice and reflection. For example:
 - **Simulate an incident:** Present a cybersecurity incident and have students work through identifying the threat, containing it, and recovering from it using Microsoft security tools.
 - **Analyze a simulation:** After each lesson's practical application, have students analyze and discuss as a group what went well, what could be improved, and how different tools or strategies might have changed the outcome.
- **Additional resources:** At the end of the course, students will find resources to support continued learning and advancement in the cybersecurity field. Encourage students to take advantage of these materials to further develop their skills and pursue industry-recognized certifications.

Additional resources

AI-powered, unified SecOps products: <https://www.microsoft.com/en-us/security/business/solutions/ai-powered-unified-secops-platform>

Best Practices for Setting up a SOC: <https://www.isaca.org/resources/isaca-journal/issues/2021/volume-5/best-practices-for-setting-up-a-cybersecurity-operations-center>

Create a SOC on your Campus: <https://er.educause.edu/articles/2017/1/create-a-security-operations-center-on-your-campus>

How to Modernize Your Public Sector Security Operations Center: <https://wwps.microsoft.com/blog/soc-modernization-journey-video>

Integrating data security into your Security Operations Center: <https://www.youtube.com/watch?v=OzB1UkGRCC8>

Making Students Part of Your Security Operations Center: <https://www.techlearning.com/how-to/making-students-part-of-your-security-operations-center>

Microsoft Security Copilot product page: <https://www.microsoft.com/en-us/security/business/ai-machine-learning/microsoft-security-copilot>

Optimizing your Security Operations: Manage your data, costs, and protections with SOC optimizations: <https://www.youtube.com/watch?v=Uk9x60grT-o>

Universities Tap Student Talent to Support Security Operations: <https://edtechmagazine.com/higher/article/2023/08/universities-tap-student-talent-support-security-operations>

What is security operations (SecOps)?: <https://www.microsoft.com/en-us/security/business/security-101/what-is-security-operations-secops>

What is a security operations center (SOC)?: <https://www.microsoft.com/en-us/security/business/security-101/what-is-a-security-operations-center-soc>