Cyberbit

Level Up Your Cybersecurity Degree Program With Immersive Cybersecurity Education

Value to Your Institution

- Increase Student Enrollment
- Improve Student Retention
- Gain New Grant Funding
- Become a Regional Cyber Hub
- Generate New & Additional Revenue

Equip Students with the Hands-On Experience and Tangible Skills Employers Expect

Cyberbit is the only cybersecurity training platform that provides all four elements of an effective skills building program:

- Build Foundational Elements with Theoretical Labs
- Enhance Cybersecurity Skills Learning & Practice with Practical Labs
- Apply Cybersecurity Skills Against a Real-Life Attack
- Automated Assessment and Feedback

Cybersecurity training should have all four elements in order to build skills that last for a lifetime, reducing time to response, reducing onboarding time, and helping to solve the growing global cybersecurity skills shortage.

Immerse Your Students in Real-World Cybersecurity Attacks

Ensure your students are workforce ready with an immersive environment that allows them to experience the pressures and complexity of a real world cyber attack. Bridge the gap between theory and practice with hands-on tools and skills development. Students can prepare for their cyber security career or certification aligned to the NICE Cybersecurity Framework, affording them careers in the public or private sector. Students training on Cyberbit will have the opportunity to develop their cybersecurity skills on virtual enterprise grade networks in real-world scenarios. Students will also be given the opportunity to work with enterprise grade cybersecurity software to gain hands on experience in mitigating real world attacks. Join other leading institutions of higher education today to take your cybersecurity program to the next level.

University of Maine at Augusta Ribbon Cutting Ceremony

Miami Dade College Cyberbit Facility

Purdue University Cyberbit Facility

Purdue University

Metropolitan State University

UMA

Miami Dade College

Columbus State University

UTSA
Why Cyberbit?

Mirrors a Real Life SOC
Rich Library of Attack & Pen Testing Scenarios
Access to Commercial Grade Cyber Security Tool
Virtual Enterprise Networks Included
Advanced Instructor Toolbox

Align Your Cybersecurity Program with the NICE Framework

The US National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework (NICE Framework) provides a common blueprint for discussing cybersecurity roles, as well as the requirements each role entails in terms of a cyber professional’s task, knowledge, and skills (TKS). Cyberbit supports the NICE Framework, allowing meaningful hands-on training that covers TKSs for the following Categories and sample Work Roles:

<table>
<thead>
<tr>
<th>Category</th>
<th>Work Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analyze</td>
<td>Exploitation Analyst</td>
</tr>
<tr>
<td>Collect and Operate</td>
<td>Cyber Operator</td>
</tr>
<tr>
<td>Protect and Defend</td>
<td>Vulnerability Assessment Analyst</td>
</tr>
<tr>
<td>Protect and Defend</td>
<td>Cyber Defense Analyst</td>
</tr>
<tr>
<td>Investigate</td>
<td>Cyber Defense Forensics Analyst</td>
</tr>
</tbody>
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Develop Soft Skills Critical to the Workplace

Immerse your students in real world attacks to ensure they know how to lead a team during an incident, communicate effectively with other team members, analyze large amounts of data, and execute under strict timelines and pressure.

Ensure Your Students Are up to Date With the Latest Cyber Theory

Cyberbit provides a rich library of training scenarios that are suitable for any level. By training on Cyberbit your students can go from “zero to hero,” learning basic tool skills and how to apply their skills against realworld attacks. Training scenarios included with Cyberbit are tailored for multiple roles that your students may hold in an organization ensuring they are prepared to contribute to the cybersecurity team from Day one.

Cyberbit provides bite size video and text-based knowledge building modules called Spotlights that keep your students up to date with the latest cyber theory and ensures they are workforce ready. Additionally, the Spotlight modules feature a “campaign of the week” to keep students current on the latest CVEs and attack vectors, arming them with the knowledge needed to excel in the workforce.

sales@cyberbit.com | www.cyberbit.com