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Cyberbit Range for Miami Dade College
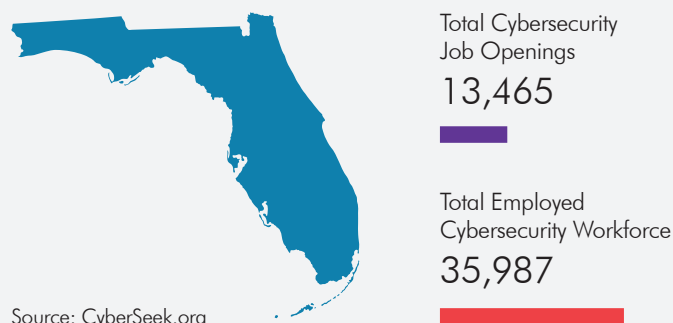
Case Study

The Customer:
Miami Dade College

Miami Dade College (MDC) is the higher education institution with the largest undergraduate enrollment in the US, serving more than 165,000 students annually. The college's eight campuses offer more than 300 distinct degree pathways.

The Challenge: Prepare Students for Cybersecurity Careers

Florida is one of the hottest cybersecurity job markets in the country, with high demand and a notably low supply of qualified professionals. This market demand creates a great opportunity for MDC to develop the skilled workforce Florida needs, while promoting professional and personal growth for a large number of Floridians.

Florida Cybersecurity Job Market

Total Cybersecurity
Job Openings

13,465

Total Employed
Cybersecurity Workforce

35,987

Source: CyberSeek.org

Florida IT security leaders stressed that the industry suffered not only from an acute lack of applicants, but also from a lack of standardization in training. They lamented it is nearly impossible to assess applicant qualifications, since experience and skill set levels varied greatly. Industry leaders also noted that entry-level cybersecurity jobseekers lacked the hands-on experience needed to perform effectively on the job and deliver immediate value to employers.

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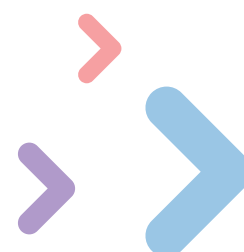
The Solution: Cyberbit Range Training & Simulation Platform

MDC chose Cyberbit Range to incorporate hands-on cyber simulation training and offer students true-to-life cyber security experience as part of the core of their studies. The platform was found to deliver the most realistic and immersive training environment and was therefore the best technology to effectively prepare high performing cybersecurity analysts and information security operations teams.

Miami Dade College built the Cybersecurity Center of the Americas to offer students real-world experience from their first semester and throughout the entire degree program. By the time they graduate, MDC cybersecurity graduates will have hundreds of hours of simulation experience - a clear advantage that will make them highly sought-after by the state's top employers.

In addition to acquiring in-demand technical skills, MDC cybersecurity students also gain important 'soft skills' like how to communicate the technical details of a breach to non-technical executive management. In a crisis situation, these communication skills can make the difference in how an organization weathers the attack.

Beyond their undergraduate students, MDC leverages the Cyberbit cyber range to enrich the statewide IT community with continuing education initiatives, including individual professional enrichment and coordinated corporate and team training.

The Benefits: Highly Qualified Graduates, New Revenue Source

Since announcing its new degree program and the Cybersecurity Center for the Americas, MDC has seen a strong uptick in interest from incoming students. These students are excited about a practical, handson educational that not only prepares them for their careers but makes learning an interactive and enjoyable experience.

By better preparing students for rewarding careers in a sought-after field like cybersecurity, MDC enriches its academic offering both among potential students and the statewide IT community. Moreover, MDC has positioned itself among the few leading colleges that offer an academic cybersecurity program that includes robust hands-on cyber range experience.

With the Cyberbit Range, MDC can offer its students a more solid, pragmatic and attractive cybersecurity education than any other college in the region. In addition to student curriculum, the Cybersecurity

"Companies always value graduates with work experience, but in the world of cybersecurity its importance is tenfold. The Cyberbit Range is a cutting-edge environment that will help students and professionals gain valuable experience facing real-life cyberattacks."

Antonio Delgado,
Dean of Engineering, Technology and Design, Miami Dade College

About Cyberbit

Cyberbit provides the global leading attack readiness platform for enabling SOC teams to maximize their performance when responding to cyberattacks. The Platform empowers security leaders to make the most of their cybersecurity investment by boosting the impact of the human element in their organization. Cyberbit delivers hyper-realistic attack simulation mirroring real-world scenarios. It enables security leaders to dramatically reduce MTTR, dwell time and cybercrime costs, improve hiring and onboarding, and increase employee retention. Customers include Fortune 500 companies, MSSPs, systems integrators, governments, and leading healthcare providers. Cyberbit is headquartered in Israel with offices across the US, Europe, Asia, and Australia.

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