Immersive Learning

with Project Ares Cybersecurity Labs

Project Ares is a cybersecurity education learning platform that delivers hands-on immersive labs. The lab exercises can be integrated into an existing cybersecurity course or training program.

Project Ares Labs

- Deliver learning through virtual machines with opensource cyber tools.
- Create an immersive, true-to-life learning environment.
- Available to learners and instructors anywhere and at any time through a browser interface.

INTRODUCTORY CYBER COURSES PACKAGED WITH PROJECT ARES LABS

Using Project Ares to deliver a purposeful learning experience to students or your workforce takes preparation. We offer ready-to-deliver, introductory cyber courses with lesson plans that incorporate Project Ares labs, classroom materials, and instructor time.

Project-based learning is essential in cybersecurity. A student can enjoy a training experience and score well on an exam, but still not be able to apply their new knowledge. Even in introductory courses, hands-on labs cement concepts that enable better advanced cyber learning.

Circadence packaged fundamental courses include:

- Introduction to Cybersecurity
- Introduction to Digital Forensics
- Introduction to Incident Response

Learn More About Project Ares →

Introduction to Cybersecurity

Description: Introduces the foundational knowledge of Cybersecurity with an overview of principles of identity and access management, cryptography, technologies and tools, and an introductory section to vulnerability assessment, penetration testing and incident response.

Pre-Requisites: None

Hands-On Labs:
- Battle Room 6: Linux Basics
- Battle Room 11: System Security Analyst
- Windows Fundamentals
  - Windows Command Shell Filesystem
  - Windows Processes, Services, and Applications
  - Windows Registry

Instructional Hours: 24 + Labs

Course Material Included:
- Syllabus
- Lecture slides
- Course lab guide with task assignments
- Project Ares Labs

Introduction to Digital Forensics

Description: Introduces network forensics investigations with an overview of network devices and services. Presents investigative principles and approaches to lead development in Windows system environments and web-based applications. Concludes with a unit on the principles of static and dynamic malware triage.

Pre-Requisites: None

Hands-On Labs:
- Battle Room 9: Digital Forensics
- Battle Room 8: Network Traffic Analysis

Instructional Hours: 24 + Labs

Course Material Included:
- Syllabus
- Lecture slides
- Course lab guide with task assignments
- Project Ares Labs

Introduction to Incident Response

Description: Introduces the Incident Response Life Cycle with an overview of current threat landscape. Presents how to identify consequences associated with cyber threats and applying security laws, organizational policies, and best practices. Using a variety of tools, will contain, recover artifacts associated with and analyze them, presenting conclusions and recommendations.

Pre-Requisites: None

Hands-On Labs:
- Battle Room 8: Network Traffic Analysis
- Battle Room 9: Digital Forensics

Instructional Hours: 24 + Labs

Course Material Included:
- Syllabus
- Lecture slides
- Course lab guide with task assignments
- Project Ares Labs

The online, instructor-led courses from Circadence are designed to teach foundational elements of Cybersecurity and provide practical skill experience for students. The courses are taught over a 6, 8, or 12 week session. The course can be taught in English or Spanish. Students will receive a digital badge and completion certificate.

CIRCADENCE

THE INSTRUCTOR

Franklin Gonzalez
Cyber Security Instructor

fgonzalez@circadence.com
www.circadence.com

CIRCADENCE

The Future of Immersive Cybersecurity Education

Born in Caracas, Venezuela, Franklin's inclination towards computer science started in his early life when his parents enrolled him in a programming bootcamp for kids after school. Later, he graduated from University Nueva Esparta with honors in Computer Science. While he was working as Network Administrator for Venezuela's biggest Law firm, a cyber-attack on the firm, energized Franklin to start perusing cyber security.

Franklin opened an IT firm ByteBoys in 1999 offering services in areas such as software development, network installation and administration, system integration and cyber security. Franklin was also teaching data base administration and digital project management at his alma matter University Nueva Esparta. His company grew rapidly with multinational prestigious clients, but the social, economic, and political situation in his country started to deteriorate quickly, and many of his clients where force to leave the country. Franklin also made the difficult decision to leave and moved to the United States. In the United States he obtained his master's degree in Cybersecurity with a specialization in Digital Forensics from University of South Florida. Franklin has taught IT and Cybersecurity courses at Florida Technical College, Grand Canyon University, Valencia College, and Keiser University.

Franklin was featured in Florida Technical college magazine and then appeared in a couple of local TV segments about IT growth and education. Currently, Franklin continues to apply both his passions by providing cybersecurity training at Circadence Corporation.
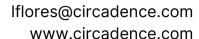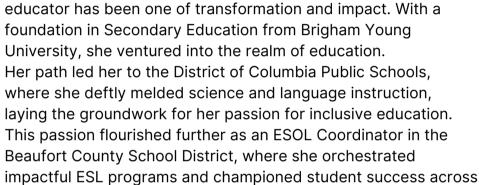
THE INSTRUCTOR

Lara Flores
Cyber Security Instructor

lflores@circadence.com
www.circadence.com

CIRCADENCE

The Future of Immersive Cybersecurity Education

Lara is a dedicated educator with a robust background in instruction and curriculum development. Her journey as an educator has been one of transformation and impact. With a foundation in Secondary Education from Brigham Young University, she ventured into the realm of education.
Her path led her to the District of Columbia Public Schools, where she deftly melded science and language instruction, laying the groundwork for her passion for inclusive education. This passion flourished further as an ESOL Coordinator in the Beaufort County School District, where she orchestrated impactful ESL programs and championed student success across linguistic backgrounds.

Her journey evolved to encompass translation and education at the West Linn-Wilsonville, OR School District leveraging her multilingual abilities to communicate complex ideas effectively. Embracing technological advancements, she thrived as a facilitator/educator in the Palm Beach County, FL School District, imparting knowledge on educational technology and learning management.Lara has her Master's in Cybersecurity from Grand Canyon University and a Graduate Certificate in TESOL from American University.

Lara's passion for collaboration, compliance, and problem-solving fuels her approach, promising to inspire and mentor aspiring cybersecurity professionals. With a concise and impactful narrative, she stands ready to empower students in navigating the complex landscape of cybersecurity, ensuring a safer digital future. Equipped with a unique blend of academic aptitude and technical acumen, Lara is poised to guide the next generation as a Cybersecurity Instructor at Circadence.