

Deloitte Advanced Cyber Training: Python for Cyber Operations

Python for Cyber Operations guides participants through the use of Python to solve problems in multiple complex environments. The course provides a foundation in Python concepts and builds to create scripts and programs to automate processes, build utilities, and network applications.



Course Length

Forty (40) hours of course work, ideally presented over five (5) consecutive business days.



Program Overview

- Module 1: What is Python?
- Module 2: Script structures
- Module 3: Modules and libraries
- Module 4: Generators, list comprehension, and regular expressions
- Module 5: Advanced Python concepts
- Module 6: Python and Linux/*NIX
- Module 7: Capstone exercise



Value to Participants

Deloitte Advanced Cyber Training courses are designed to be interactive, realistic, and to emphasize hands-on application of presented concepts and material. Additionally, all courses align with the National Institute of Standards and Technology (NIST)/ National Initiative for Cyber Security Education (NICE) Workforce Framework.



Target Audience

IT professionals and security specialists looking to automate their workflow for data processing, network configuration, patch management, and network defense.



Prerequisites

There are no pre-requisites for attending, however, to ensure maximum participation and training value Deloitte recommends that attendees have a basic understanding of Python.



Delivery Options

This course is live/ instructor-led and available either virtually or on-site. The course blends multiple instructional methods including lecture, discussion, and extensive hands-on practical lab exercises.

What makes Deloitte's Advanced Cyber Training different?

Deloitte's advanced cyber training includes validated courseware facilitated by accomplished instructors and backed by Deloitte's reputation serving US commercial, defense, and intelligence communities. Whether in-person or virtual, Deloitte Advanced Cyber Training courses are designed to help participants and organizations develop and mature their defensive cyber capabilities.



Approach

- Deloitte's mission is to help participants to attain an **advanced** level of cybersecurity knowledge, skill and ability (KSA)
- **Delivery methods** are based on US Department of Defense (DoD) and Intelligence Community (IC) training protocols
- Operations and **real-world scenario** directed training
- KSAs are developed via **lecture, discussion, and various hands-on exercises**



Talent

- Deloitte's **diverse training team** provides more than content facilitation; instructors present the mindset associated with offensive and defensive cyber operations and provide real-world mission insight and experience
- Instructors have participated in and developed national-level **offensive and/or defensive cyber operations**
- Deloitte's **diverse training team** provides more than content facilitation, including the mindset associated with offensive and defensive operations and real-world operational insight



Trusted

- Deloitte Advanced Cyber combines **Root9B's (R9B)** training catalog and experience with Deloitte's high-quality reputation and resources
- Prior to acquisition by Deloitte in 2021, R9B was a **trusted training provider** for the DoD for more than (7) years providing training and mission qualification evaluations to DoD cyber operations organizations
- Mature and well-defined training program providing learning objectives that map to National Institute of Standards and Technology (**NIST**)/National Initiative for Cybersecurity Education (**NICE**) job work role frameworks



Accessible

- Training fees are **competitive** with industry peers
- All courses are live, instructor-led and delivered either **in-person** or **virtually** via live video conferencing
- **Flexible** course schedule designed to meet client demands
- Diverse catalog of offerings that can be **tailored to custom requirements**
- Training is operations focused, but caters to professionals serving **multiple security roles and specialties**



Multifaceted

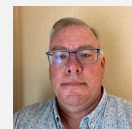
- **Modular content design** that allows for clients to define training requirements based upon need and known gaps in learner KSA
- **Deloitte's evolving content** presents learners with exposure to emerging adversary tactics, techniques, and procedures (TTP) and industry leading practices
- Current course catalog includes **Cyber Threat Intelligence Analysis, Adversary Tactics and Techniques, Hunt Methodology, Threat Methodology, Active Cyber Analytics** and more

Please contact usadvancedcybertraining@deloitte.com or one of the executives below to learn more about Deloitte Advanced Cyber Training opportunities and capabilities.



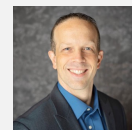
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