

SOC Analyst Syllabus

Cyber, SOC, Python & SQL

Start your hi-tech career as a SOC (Security Operations Center) analyst. ITC's SOC Analyst program includes **four months of intensive tech skills training**, soft-skills training with company visits, and a **five weeks project** in the industry to provide you with everything you need to launch a career in cyber-tech as a SOC analyst.



As promoted by the Israel Innovation Authority, you'll take your cyber knowledge to the next level with essential programming skills such as Python and SQL, which will give you an advantage while applying for jobs and managing your long-term career.

SYLLABUS

1. Intro to Cyber

- SQL injection
- The hacker mindset
- Kali Linux
- Malware attacks
- Brute Force attacks (inc. dictionary attacks)



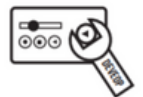
2. SOC

- SEIM (security Information & Event Management) & IR (Incident Response)
- SOC simulation exercises
- Visiting a SOC (national CERT, EY, SME)



3. Operating Systems

- Windows:
- Windows API, Win32, and windows subsystem model
 - Debuggers and Sysinternal tools
- Linux:
- Intro to Linux & Distributions
 - Memory system
 - Linux API



4. Programing / Scripting

- Python
- Working with DBs (SQL & NoSQL)
- DevOps



5. Soft Skills

- CV, LinkedIn, and Github
- Interviewing skills
- Presentation Skills & Writing Skills

