

SEC275: Foundations – Computers, Technology, and Security



GIAC Foundational Cybersecurity
Technologies (GFACT)



Use your ArmyIgnitED Program benefits to get you started in cybersecurity today!

4
Day Program

38
CPEs

Laptop
Required

Who Should Attend

The course provides exactly what students need to go from zero technical and security knowledge, to a level of sufficient theoretical understanding and applied practical skills that will enable students to speak the same language as industry professionals. This course is designed for:

- Career changers
- Online self-driven learners seeking new skills
- College and university students
- Business professionals without a deep cybersecurity background
- New hires in IT/cybersecurity
- Participants in reskilling program

What is included with SANS Foundations?

- Over 120 hours of curated content
- Hands-on labs experience
- Quizzes to consolidate learning outcomes
- Training by world-renowned experts
- Engaging 4K video content
- Proctored final exam delivered by GIAC



GFACT

Foundational Cybersecurity Technologies
giac.org/gfact

GIAC Foundational Cybersecurity Technologies

The GFACT certification validates a practitioner's knowledge of essential foundational cybersecurity concepts. GFACT-certified professionals are familiar with practical skills in computers, technology, and security fundamentals that are needed to kickstart a career in cybersecurity.

SANS Foundations is the best course available to learn the core knowledge and develop practical skills in computers, technology, and security foundations that are needed to kickstart a career in cybersecurity. The course features a comprehensive variety of innovative, hands-on labs, and practical exercises that go far beyond what is offered in any other foundational course in cybersecurity. These labs are developed by leading subject-matter experts, drawing on the latest technology, techniques, and concepts in cybersecurity.

The course provides students with the practical learning and key skills to empower future cybersecurity learning and professional development. It is exactly what you need to go from zero technical and security knowledge to a level of sufficient theoretical understanding and applied practical skills that will enable you to speak the same language as industry professionals. Students will develop fundamental skills and knowledge in key IT subject areas such as:

- Computer components and concepts
- Operating systems, containers, and virtualization
- Linux
- Networking fundamentals
- The web: search engine and servers
- Practical programming in python and C
- Windows foundations
- Advanced computer hardware (e.g., CPU and memory)
- Encryption
- Introduction to basic security concepts
- Introduction to forensics
- Introduction to reconnaissance, exploitation, and privilege escalation
- Introduction to network and computer infiltration (e.g., lateral movement)

"I think the biggest value-add for SANS Foundations was simply how comprehensive it was. It covered a lot of topics, but each was covered in enough depth for a better handle on the basics without being overwhelming."

sans.org/sec275

Eligible under the US Army IgnitEd program, please contact **Eric Gladman** at egladman@sans.org for more information.