SANS

"This course has exposed me to many new tools and techniques that were reinforced with real world scenarios."
– **David Fontana**, Ford Motor Company

"Real life examples of case scenarios with clients were a great addition to the course."
– **Arnaud Ruiz**, Daimler AG

"I learned new tools and models that I want to go use immediately."
– **Jamie Bosley**, Caterpillar

"SEC560 was a good dive into how real world attacks & hackers work. I really enjoyed it."
– **Jeremy Dour**, UPS

Securing the Connected Vehicle
Cybersecurity Training Roadmap

SANS

GIAC CERTIFICATIONS

SANS SECURITY AWARENESS

SANS offers training at our live events, including the Automotive Cybersecurity Summit, and training online. Visit sans.org/training to view classes by modality. Access course demos with the OnDemand Platform.

GIAC Certifications provide the highest assurance of cybersecurity knowledge and skill available to clients across the world. GIAC Certifications meet ANSI / ISO 17024 standards and align with the NICE framework.

SANS Security Awareness Training covers every end-user, no matter their learning level. Create a culture of security awareness with programs such as End-User Training, Phishing Training, and Developer Training.

SANS Security East
New Orleans, Louisiana
February 2 - 9

SANS Secure Japan
Tokyo, Japan
February 18 - March 2

SANS Secure Singapore
Singapore
March 11 - 23

SANS Munich March
Munich, Germany
March 18 - 23

SANS 2019
Orlando, Florida
April 1 - 8

SANS Blue Team Summit
Louisville, Kentucky
Summit: April 11 - 12
Training: April 13 - 18

SANS Pen Test Austin
Austin, Texas
April 29 - May 4

SANS Security West
San Diego, California
May 9 - 16

SANSFIRE 2019
Washington, DC
June 15 - 22

Visit www.sans.org/training to view training by location, course, or by delivery.
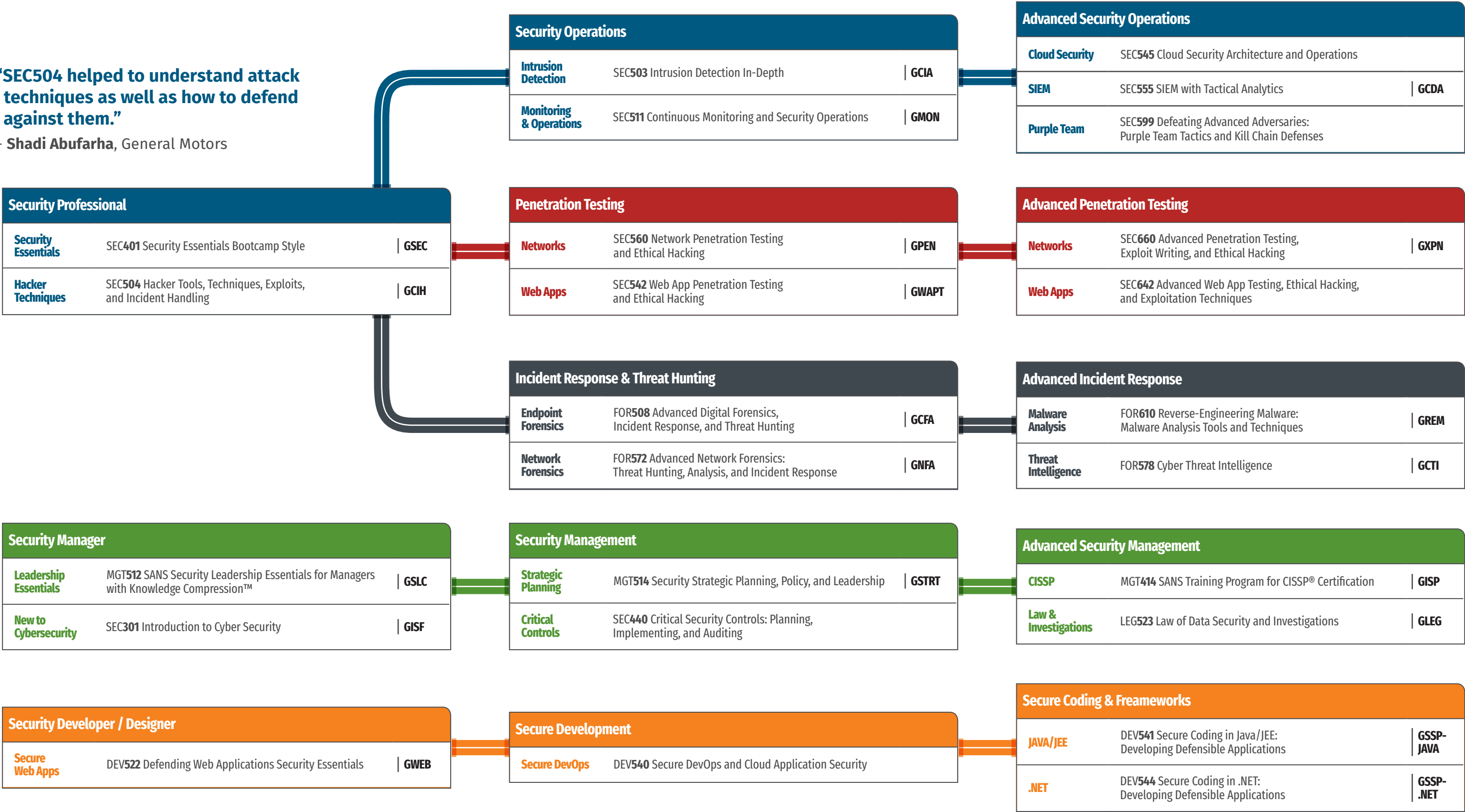
Securing the Connected Vehicle

SANS is the world leader in cybersecurity training, research, and certification. All 100 of the Fortune 100 trust SANS with their workforce development needs. Manufacturers, suppliers, assemblers, technology providers, and V2X partners leverage SANS to equip their professionals with the knowledge and know-how needed to safeguard their organizations from the evolving threat landscape.

> "SEC504 helped to understand attack techniques as well as how to defend against them."
>
> – **Shadi Abufarha**, General Motors

Security Operations

Intrusion Detection	SEC**503** Intrusion Detection In-Depth	GCIA
Monitoring & Operations	SEC**511** Continuous Monitoring and Security Operations	GMON

Advanced Security Operations

Cloud Security	SEC**545** Cloud Security Architecture and Operations	
SIEM	SEC**555** SIEM with Tactical Analytics	GCDA
Purple Team	SEC**599** Defeating Advanced Adversaries: Purple Team Tactics and Kill Chain Defenses	

Security Professional

Security Essentials	SEC**401** Security Essentials Bootcamp Style	GSEC
Hacker Techniques	SEC**504** Hacker Tools, Techniques, Exploits, and Incident Handling	GCIH

Penetration Testing

Networks	SEC**560** Network Penetration Testing and Ethical Hacking	GPEN
Web Apps	SEC**542** Web App Penetration Testing and Ethical Hacking	GWAPT

Advanced Penetration Testing

Networks	SEC**660** Advanced Penetration Testing, Exploit Writing, and Ethical Hacking	GXPN
Web Apps	SEC**642** Advanced Web App Testing, Ethical Hacking, and Exploitation Techniques	

Incident Response & Threat Hunting

Endpoint Forensics	FOR**508** Advanced Digital Forensics, Incident Response, and Threat Hunting	GCFA
Network Forensics	FOR**572** Advanced Network Forensics: Threat Hunting, Analysis, and Incident Response	GNFA

Advanced Incident Response

Malware Analysis	FOR**610** Reverse-Engineering Malware: Malware Analysis Tools and Techniques	GREM
Threat Intelligence	FOR**578** Cyber Threat Intelligence	GCTI

Security Manager

Leadership Essentials	MGT**512** SANS Security Leadership Essentials for Managers with Knowledge Compression™	GSLC
New to Cybersecurity	SEC**301** Introduction to Cyber Security	GISF

Security Management

Strategic Planning	MGT**514** Security Strategic Planning, Policy, and Leadership	GSTRT
Critical Controls	SEC**440** Critical Security Controls: Planning, Implementing, and Auditing	

Advanced Security Management

CISSP	MGT**414** SANS Training Program for CISSP® Certification	GISP
Law & Investigations	LEG**523** Law of Data Security and Investigations	GLEG

Security Developer / Designer

Secure Web Apps	DEV**522** Defending Web Applications Security Essentials	GWEB

Secure Development

Secure DevOps	DEV**540** Secure DevOps and Cloud Application Security	

Secure Coding & Freameworks

JAVA/JEE	DEV**541** Secure Coding in Java/JEE: Developing Defensible Applications	GSSP-JAVA
.NET	DEV**544** Secure Coding in .NET: Developing Defensible Applications	GSSP-.NET