



# Anti-Terrorism Officer (ATO) Course

## Special 2-Week Webinar Program

24 May – 04 June 2021



### Background

On 24 May-04 June 2021, the S2 Institute, in conjunction with the International Association of Counterterrorism and Security Professionals (IACSP), will be presenting a special 2-week webinar edition of the 40-hour S2 Anti-Terrorism Officer (ATO) Course using the Zoom web conferencing system.

This special course will be conducted over the two-week period, Mondays-Fridays, according to the following daily time schedule:

US Eastern Standard Time	08:00-11:30
Central European Time	14:00-17:30
Gulf Central Time	16:00-19:30

The S2/IACSP Anti-Terrorism Officer (ATO) Course is designed to prepare security and law enforcement professionals for assignments involving the protection of facilities against terrorist attack. This program provides a detailed exploration of contemporary terrorist methods and essential skills and knowledge that all anti-terrorism personnel should possess.

### Who Should Attend?

Security Professionals, Military Force Protection Personnel, Homeland/Internal Security Professionals, and Police Personnel Assigned to Anti-Terrorism Activities

## Learning Objectives

Students attending the S2/IACSP Anti-Terrorism Officer Course will acquire the following skills and competencies:

- Recognizing risks associated with contemporary terrorism including an in-depth understanding of contemporary terrorist modus operandi
- Identifying general security requirements essential to reducing terrorism related risk
- Assessing facility risks and utilizing risk management principles in anti-terrorism planning
- Implementing Operations Security (OPSEC) and protective counterintelligence principles to impair terrorists' ability to gather target intelligence, including:
  - Implementing appropriate sound information security principles
  - Recognizing possible attempts to collect target intelligence
  - Documenting suspicious activity
  - Investigating and analyzing trends of suspicious activity
- Performance-based physical security design as applicable to anti-terrorism
- Screening and searching entrants at facility and building entry points, including:
  - Implementing facility access control procedures
  - Questioning entrants and identifying behavioral signs of deception
  - Recognizing indications of falsified or altered identity documents
  - Safely searching hand-carried objects at access control points
  - Safely searching vehicles at access control points
  - Using technical aids for conducting search and screening
- Identifying hazardous devices, possible device components, and risks associated with hazardous devices
- Recognizing indications of terrorist attack or impending terrorist events, including:
  - Recognizing possible hazardous device deliveries
  - Screening mail and deliveries for indications of potential hazards
  - Recognizing indications of chemical or biological attack
- Safely responding to terrorist incidents and facility-level security response planning:
  - Bomb threats
  - Suspicious hand-carried objects
  - Suspicious vehicles (Possible vehicle bomb deliveries)
  - Suspicious mail
  - Unopened mail
  - Possible contaminated mailings (after opening)
  - Post-Blast Response
  - Chemical/Biological/Radiological attack (Indoor Aerosol/Vapor)
  - Chemical/Biological/Radiological attack (Outdoor Aerosol/Vapor)
  - Chemical/Biological/Radiological attack (Covert)

## Schedule & Outline

WEEK ONE			
Day 01 - Monday, 24 May 2021			
Time			Outline
US EST	CET	GST	
07:45-08:00	13:45-14:00	17:45-18:00	Zoom Attendee Roll Call & Technical Assistance
08:00-11:30	14:00-17:30	15:00-19:30	<ul style="list-style-type: none"> <li>■ Program Introduction</li> <li>■ The Certified Anti-Terrorism Officer               <ul style="list-style-type: none"> <li>• ATO Functions &amp; Responsibilities</li> <li>• ATO Skills</li> <li>• IACSP cATO Certification Process</li> </ul> </li> <li>■ Introduction to Terrorism               <ul style="list-style-type: none"> <li>• Definition</li> <li>• Ideological Motives</li> <li>• Strategic Objectives</li> <li>• Types of Terrorist Targets</li> <li>• Target Selection Criteria                   <ul style="list-style-type: none"> <li>• Categories of Terrorism Related Risk                       <ul style="list-style-type: none"> <li>▪ Explosive Attack</li> <li>▪ Kidnapping</li> <li>▪ Armed Attack                           <ul style="list-style-type: none"> <li>○ Hijacking</li> <li>○ Armed Occupation</li> </ul> </li> <li>▪ Vehicle Ramming Attack</li> <li>▪ Arson</li> <li>▪ Chemical/Biological/Radiological (CBR)</li> <li>▪ Nuclear</li> <li>▪ Cyber Attack</li> <li>▪ IEMI/Radio Frequency Weapon Attacks</li> </ul> </li> <li>• Terrorist Planning and Execution Phases</li> </ul> </li> </ul> </li> </ul>

Day 02 - Tuesday, 25 May 2021			
Time			Outline
US EST	CET	GST	
08:00-11:30	14:00-17:30	16:00-19:30	<ul style="list-style-type: none"> <li>■ Threat: Explosive Attacks               <ul style="list-style-type: none"> <li>• Types of Explosive Devices</li> <li>• Characteristics of Chemical Explosions</li> <li>• Common Explosives</li> <li>• Gas Enhanced IEDs</li> <li>• Activation</li> <li>• Device Concealment</li> <li>• Damage Potential                   <ul style="list-style-type: none"> <li>▪ Types of Destructive Forces</li> <li>▪ Estimating Charge Size</li> <li>▪ Overpressure Effects Estimation</li> </ul> </li> <li>• Explosive Attack Scenarios</li> <li>• Delivery Methods</li> </ul> </li> </ul>

Day 03 – Wednesday, 26 May 2021			
Time			Outline
US EST	CET	GST	
08:00-11:30	14:00-17:30	16:00-19:30	<ul style="list-style-type: none"> <li>■ Threat: Chemical &amp; Biological Terrorism               <ul style="list-style-type: none"> <li>● Common Assumptions About CB Terrorism</li> <li>● CB Terrorists</li> <li>● Routes of Exposure</li> <li>● Symptoms</li> <li>● Chemical Agents</li> <li>● Agents of Biological Origin</li> <li>● Dissemination of CB Agents</li> <li>● CB Attack Scenarios</li> </ul> </li> <li>■ Risk Management &amp; Anti-Terrorism Security Planning               <ul style="list-style-type: none"> <li>● Risk Management Principles</li> <li>● Integrated Countermeasures Strategy                   <ul style="list-style-type: none"> <li>▪ Proactive Countermeasures</li> <li>▪ Reactive/Mitigative Countermeasures</li> </ul> </li> <li>● Adapting Risk Management Strategy to Application</li> </ul> </li> <li>■ Operations Security (OPSEC) &amp; Protective Counterintelligence               <ul style="list-style-type: none"> <li>● Terrorist Intelligence Requirements</li> <li>● Terrorist Intelligence Collection Methods</li> </ul> </li> </ul>

Day 04 - Thursday, 27 May 2021			
Time			Outline
US EST	CET	GST	
08:00-11:30	14:00-17:30	16:00-19:30	<ul style="list-style-type: none"> <li>■ Operations Security (OPSEC) &amp; Protective Counterintelligence (Cont.)               <ul style="list-style-type: none"> <li>▪ Information Security</li> <li>▪ Employee/Contractor Screening &amp; Monitoring</li> <li>▪ Surveillance Detection</li> <li>▪ Suspicious Activity Investigation</li> <li>▪ Suspicious Activity Reporting &amp; Analysis</li> </ul> </li> <li>■ Physical Security &amp; Entry Control               <ul style="list-style-type: none"> <li>● Physical Security Theory                   <ul style="list-style-type: none"> <li>▪ Physical Protection System Functions</li> <li>▪ Integrated Systems</li> <li>▪ Performance Definition</li> <li>▪ System Design Guidelines</li> </ul> </li> <li>● Physical Protection System Components                   <ul style="list-style-type: none"> <li>▪ Intrusion Detection Systems</li> </ul> </li> </ul> </li> </ul>

Day 05 - Friday, 28 May 2021			
Time			Outline
US EST	CET	GST	
08:00-11:30	14:00-17:30	16:00-19:30	<ul style="list-style-type: none"> <li>■ Physical Security &amp; Entry Control (Cont.) <ul style="list-style-type: none"> <li>■ Area Surveillance <ul style="list-style-type: none"> <li>○ CCTV</li> <li>○ Stationary Posts</li> <li>○ Mobile Patrols</li> <li>○ Intrusion Indicators</li> <li>○ IED Delivery indicators</li> </ul> </li> <li>■ Barriers <ul style="list-style-type: none"> <li>○ Anti-Personnel Barriers <ul style="list-style-type: none"> <li>● Delay Time Calculation</li> <li>● Barrier System Design</li> <li>● Secure Lobbies &amp; Pedestrian Entrances</li> <li>● Safe Rooms</li> </ul> </li> <li>○ Vehicle Barriers</li> <li>○ Vehicle Entry Points <ul style="list-style-type: none"> <li>● Entry Point Design</li> <li>● Active Barricades</li> </ul> </li> </ul> </li> <li>■ Emergency Egress and Escape Planning</li> </ul> </li> </ul>

WEEK TWO			
Day 06 - Monday, 31 May 2021			
Time			Outline
US EST	CET	GST	
08:00-11:30	14:00-17:30	16:00-19:30	<ul style="list-style-type: none"> <li>● Physical Security &amp; Entry Control (Cont.) <ul style="list-style-type: none"> <li>■ Physical Protection System Design &amp; Analysis <ul style="list-style-type: none"> <li>○ Performance-Based Analysis Methods</li> </ul> </li> <li>■ Entry Control Design <ul style="list-style-type: none"> <li>○ Planning Considerations</li> <li>○ Types of Entrants</li> <li>○ Entrant Verification <ul style="list-style-type: none"> <li>● Verification Methods</li> <li>● Verification System Design</li> </ul> </li> <li>○ Contraband Screening Technologies <ul style="list-style-type: none"> <li>● X-Ray Based Technologies</li> <li>● Explosive Trace Detection</li> <li>● Nuclear Detection Systems</li> <li>● Explosive Detection Canines</li> </ul> </li> </ul> </li> <li>■ Human Entry Control Screening <ul style="list-style-type: none"> <li>○ Initial Considerations</li> <li>○ Entrant Screening Methodology</li> </ul> </li> </ul> </li> </ul>

**Day 07 - Tuesday, 01 June 2021**

Time			Outline
US EST	CET	GST	
08:00-11:30	14:00-17:30	16:00-19:30	<ul style="list-style-type: none"> <li>• Entry Control Design (Cont.)                             <ul style="list-style-type: none"> <li>▪ Vehicle Entry Screening                                     <ul style="list-style-type: none"> <li>○ Initial Considerations</li> <li>○ Vehicle Search Procedures</li> </ul> </li> </ul> </li> <li>• Additional Proactive Security Issues                             <ul style="list-style-type: none"> <li>▪ Limited Concealment Opportunities</li> <li>▪ Obscuration</li> <li>▪ Unmanned Aerial Vehicle Countermeasures</li> <li>▪ Blast Mitigation &amp; Facility Design                                     <ul style="list-style-type: none"> <li>○ Blast Mitigation Strategies</li> <li>○ Minimizing Fragmentation Hazards</li> <li>○ Blast Walls</li> <li>○ Structural Design</li> <li>○ Façade Construction &amp; Fenestration   <ul style="list-style-type: none"> <li>• Wall Reinforcement</li> <li>• Glazing Systems</li> </ul> </li> </ul> </li> </ul> </li> </ul>

**Day 08 - Wednesday, 02 June 2021**

Time			Outline
US EST	CET	GST	
08:00-11:30	14:00-17:30	16:00-19:30	<ul style="list-style-type: none"> <li>▪ Blast Mitigation and Facility Design (Cont.)                             <ul style="list-style-type: none"> <li>○ Emergency Access &amp; Evacuation Requirements</li> <li>○ Protection of Building Subsystems</li> <li>○ Utilization &amp; Protective Asset Positioning</li> </ul> </li> <li>▪ Chemical &amp; Biological Attack Risk Mitigation                             <ul style="list-style-type: none"> <li>○ Physical Security for Possible Contamination Points</li> <li>○ Cafeteria and Break Room Countermeasures</li> <li>○ Water Filtration</li> <li>○ HVAC System Protection                                     <ul style="list-style-type: none"> <li>• CB Agent Detection Systems</li> <li>• Facility Design for Mitigating Airborne Threats</li> <li>• HVAC Filtration Systems</li> </ul> </li> </ul> </li> <li>▪ IEMI Protection                             <ul style="list-style-type: none"> <li>○ Conducted IEMI Protection Strategies</li> <li>○ Radiated IEMI Protection Strategies</li> </ul> </li> <li>▪ Mail Security                             <ul style="list-style-type: none"> <li>• Types of Hazardous Mailings</li> <li>• Mail Security Planning</li> <li>• Physical Mail Inspection</li> <li>• Technical Mail Screening</li> <li>• Response to Hazardous Mailings</li> </ul> </li> </ul>

Day 09 - Thursday, 03 June 2021			
Time			Outline
US EST	CET	GST	
08:00-11:30	14:00-17:30	16:00-19:30	<ul style="list-style-type: none"> <li>■ Response to Terrorist Incidents               <ul style="list-style-type: none"> <li>● Incident Response Scenarios</li> <li>● Response Priorities</li> <li>● Responsibilities &amp; Incident Command Systems</li> <li>● Communications Systems and Infrastructure</li> <li>● Weapons of Mass Destruction                   <ul style="list-style-type: none"> <li>▪ WMD Response Authority</li> </ul> </li> <li>● Active Shooter/Marauding Terrorist Firearms Attack (MTFA) Response</li> <li>● Bomb Threat Response                   <ul style="list-style-type: none"> <li>▪ Bomb Threat Motives                       <ul style="list-style-type: none"> <li>○ Malevolent Bomb Threat Strategies</li> </ul> </li> <li>▪ Bomb Threat Planning Considerations</li> <li>▪ Search and Response Approaches</li> </ul> </li> </ul> </li> </ul>

Day 10 - Friday, 04 June 2021			
Time			Outline
US EST	CET	GST	
08:00-11:30	14:00-17:30	16:00-19:30	<ul style="list-style-type: none"> <li>■ Response to Terrorist Incidents (Cont.)               <ul style="list-style-type: none"> <li>■ Bomb Threat Response (Cont.)                   <ul style="list-style-type: none"> <li>▪ Search Safety</li> <li>▪ Security Team Search Walk Through</li> <li>▪ Response to Suspicious Objects</li> </ul> </li> <li>● Suspicious Vehicle Response                   <ul style="list-style-type: none"> <li>▪ TSWG Evacuation and Refuge Guidelines</li> <li>▪ Refuge Procedures</li> <li>▪ Evacuation Procedures</li> </ul> </li> <li>● Post-Blast Response                   <ul style="list-style-type: none"> <li>▪ Localized Bombings</li> <li>▪ Conventional WMD Incidents</li> </ul> </li> <li>● Chemical &amp; Biological Attack Response                   <ul style="list-style-type: none"> <li>▪ Public Safety Response Sequence</li> <li>▪ Facility-Level Response</li> <li>○ Attack Recognition                       <ul style="list-style-type: none"> <li>● Chemical Attack Indicators</li> <li>● Biological Attack Indicators</li> </ul> </li> <li>○ Response to Indoor Aerosol/Vapor Attacks                       <ul style="list-style-type: none"> <li>● Expedient Respiratory and Skin Protection</li> <li>● Emergency Decontamination</li> </ul> </li> <li>○ Response to Outdoor Aerosol/Vapor Attacks                       <ul style="list-style-type: none"> <li>● Shelter-In-Place Procedures</li> </ul> </li> <li>○ Response to Covert CB Attacks</li> </ul> </li> </ul> </li> </ul>

## What Will You Receive?

In addition to 40-hours of instruction, all students participating in the S2/IACSP Anti-Terrorism Officer Course will receive the following:

- Certificate of Completion suitable for framing
- Course notebook PDF including over 250 pages of slides and reference material
- Digital library archive including security assessment tools and calculators and over 20,000 pages of reference documents related to course topics.
- 1-Year Membership in the International Association of Counterterrorism and Security Professionals (IACSP), including one-year subscription to Counterterrorism & Homeland Security International magazine.
- Application Fee Waiver for the IACSP Certified Anti-Terrorism Officer (cATO) certification (US\$30 value)

## IACSP Certified Anti-Terrorism Officer (cATO®) Professional Certification



In addition to providing 40-hours of instruction on topics essential to protecting facilities against terrorist attack, the S2/IACSP Anti-Terrorism Officer (ATO) course is designed to prepare program participants for independent certification through the International Association for Counterterrorism and Security Professionals Certified Anti-Terrorism Officer (cATO®) Program. In order to be awarded with the IACSP cATO™ certification, eligible candidates are required to complete and successfully pass a 100-question examination based on content included in the IACSP/S2 Institute ATO course.

Information about the IACSP Certified Anti-Terrorism Officer application, examination, and certification process is available online: [www.catocertification.org](http://www.catocertification.org).

**IMPORTANT NOTE: Attending the S2/IACSP Anti-Terrorism Officer course does not guarantee award of IACSP cATO® certification. All course graduates pursuing certification after attending the program must meet essential eligibility criteria and complete the independent application and certification process including successful completion of the cATO® examination.**

## About the Instructor



### Craig S. Gundry, PSP, cATO®

Craig Gundry is the S2 Institute's lead instructor for anti-terrorism subjects and the Vice President of Special Projects for Critical Intervention Services (CIS). Mr. Gundry is responsible for directing CIS consulting and training projects pertaining to terrorism, critical infrastructure security, and managing risks of mass homicide.

Prior to joining CIS, Mr. Gundry was the President of Palladium Media Group, a company specializing in consulting on explosive, chemical, and biological terrorism. Mr. Gundry's expertise in anti-terrorism began as a specialist in force protection and anti-terrorism with the United States Army.



Mr. Gundry is the author of the acclaimed Bomb Countermeasures for Security Professionals CD-ROM and numerous publications on terrorism-related topics. Mr. Gundry is also a court-qualified expert witness on physical security and risk management and provides frequent expert commentary on terrorism and weapons of mass destruction issues for news media organizations including Al-Jazeera, BBC, CNN, The Blaze, and Fox News Network.

As an instructor, Mr. Gundry has been training security and public safety professionals in terrorism-related issues for over 20 years. His previous students have included over 3,500 security professionals, facility managers, military personnel, police officers, and government officials from over 50 nations.

### **How does the webinar system work?**

1. During the week prior to the class, you will receive instructions for participating in the webinar through the Zoom video conferencing system.

The confirmation email will include a list of Zoom access links and conference codes for each day of the program. You will also receive a link for downloading the course notebook in PDF format and the ATO reference documents archive.

2. On Sunday, 24 May, all participants will login into the system fifteen minutes prior to the class start for a roll call and group introduction before the class begins. To join the session, simply use the provided link or enter the date-specific conference code for the meeting when Zoom is first launched.
3. The instructor will manage the meeting including display of the MS PowerPoint presentation for the program. During the lecture session, student microphones will be muted. A ten-minute break will be conducted every hour. During each break, students will have the option of participating in a question and answer session.
4. After the program concludes on Thursday, 04 June 2021, you will receive a scanned PDF of your Certificate of Completion. The original copy will be sent by trackable mail.

### **Enrollment**

**Tuition: USD \$1,100** (*Group discounts available. Contact us for details.*)

To enroll in the S2/IACSP Anti-Terrorism Officer (ATO) Course, use our secure online registration and payment system:

[http://www.s2institute.com/content/\\_pages\\_advanced/\\_courses/ato\\_webinar21.php](http://www.s2institute.com/content/_pages_advanced/_courses/ato_webinar21.php)

Students may also enroll by completing the attached enrollment form and returning it by email to: [ashley@s2institute.com](mailto:ashley@s2institute.com)

Questions regarding enrollment may be submitted to the S2 Institute by email: [info@s2institute.com](mailto:info@s2institute.com)