



AMERICAN INSTITUTE
OF SAFETY PROFESSIONALS

● PROFESSIONAL COURSE



COURSE CODE • 2143

AVIATION AND DEFENSE SAFETY

Manage occupational and mission-critical safety across aviation and defense operations.

8

Modules in one course

8

Contact hours

70%

Pass mark, final online exam

COURSE OVERVIEW

A course for professionals in commercial, general and military aviation and in defense manufacturing, maintenance, testing and range operations, working under FAA, ICAO and DoD frameworks.

You will learn to apply an aviation safety management system under ICAO Annex 19 (safety policy, risk management, safety assurance and safety promotion), manage ground operations safety on the ramp, in hangars and during fueling, and run foreign object debris (FOD) prevention programs.

The course also covers MRO safety (maintenance falls, fuel-tank confined spaces, aircraft lockout and chemical exposure), aviation hazmat, human factors and just culture, and defense-specific safety: explosives and propellants, quantity-distance, range and live-fire safety, and laser safety.

CORE COMPETENCIES

- | | |
|---|--|
|  Run aviation SMS
ICAO Annex 19 and the FAA framework |  Secure the ramp
Ground operations, fueling and jet blast |
|  Prevent FOD
FOD walks, tool control and culture |  Protect MRO teams
Falls, confined spaces, LOTO and chemicals |
|  Control explosives
Quantity-distance and range safety |  Manage human factors
Fatigue, pressure and just culture |

WHO IT'S FOR

Aviation safety officers

Defense safety professionals

Ground operations supervisors

Maintenance managers

Defense contractors

Ideal for professionals in airlines, airports, MRO organizations and defense, and those moving into these sectors.

AT A GLANCE

8

Modules

8

Contact hours

70%

Pass mark

PROGRAM OUTCOMES

Protects

people and aircraft

Prevents

FOD and ground incidents

Strengthens

mission readiness

Ensures

regulatory compliance



WHAT YOU'LL LEARN

Eight focused modules build practical, job-ready knowledge you can apply on the flight line, in the hangar and on the range immediately.

8

Modules

8

Contact hours

70%

Pass mark

#	MODULE TITLE
01	Introduction to Aviation and Defense Safety: Roles, Responsibilities, and Legal Requirements
02	Hazard Identification and Risk Assessment in Aviation and Defense Operations
03	Operational Safety Standards, Procedures, and Best Practices
04	Emergency Preparedness, Incident Management, and Crisis Response
05	Aviation Safety Regulations, Compliance, and Reporting
06	Defense Safety Protocols, Security Measures, and Protective Equipment
07	Monitoring, Auditing, and Continuous Improvement of Safety Programs
08	Creating a Culture of Safety, Accountability, and Operational Excellence

INSTRUCTIONAL DESIGN

Structured eLearning with clear explanations, visual illustrations and scenario-based examples, supported by official reference books you keep after completion.



Online eLearning

Delivered through the AISP Student Dashboard (LMS)



8 Hours

Contact hours



Self-Paced

Study at your own pace with official reference books, downloadable from the Student Dashboard and yours to keep



Lifetime Access

Your course materials remain available in your Student Dashboard after completion

 **Language:** All course materials, reference books and examinations are delivered in English, Spanish, German and Arabic. Reference books are provided as downloadable PDFs.

FINAL EXAMINATION

1

Score 70% or higher

Complete a timed, open-reference online examination taken through the Student Dashboard, drawn from a structured question bank.

2

Retake if needed

If you do not pass first time, further attempts are available. A short review period applies between attempts so you can revisit the course material.

3

Earn your certificate

A passing score confirms your eligibility for the Certificate of Completion. Once passed, the exam cannot be retaken to improve the score.

1

MONTH

RECOMMENDED COMPLETION

Most learners complete this course within one month, studying at their own pace through the Student Dashboard.



WHAT YOU RECEIVE

Sample documents shown ·
personal details redacted



Certificate of Completion

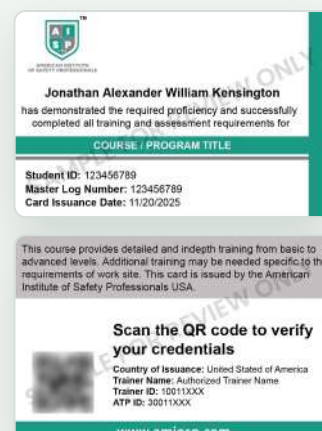
Issued as a digital certificate (PDF) with QR verification. If you select the Hardbound Certificate, a printed copy is also posted to you.



INCLUDED with every
Certificate of Completion

Official Student Transcript

Records your course, training hours and result.



Wallet Card

Portable proof of your credential on site, verifiable by QR code.

All three are issued by American Institute of Safety Professionals LLC, USA and can be verified by any employer at amiosp.com/student-verifications

COURSE FEES

Two certificate options

Digital Certificate

Issued as a PDF, with QR verification

Refer to website for prices →

Hardbound Certificate

Printed and posted to you, and includes the digital certificate

Refer to website for prices →

Shipping and handling for the hardbound option is not included in the course fee. It is calculated according to the delivery address and invoiced separately once the certificate is ready to dispatch.

Payment assistance
accounts@amiosp.com

THE AISP ADVANTAGE WHY CHOOSE US?



Employer-verifiable worldwide

Every credential carries a unique Master Log Number and QR code, verifiable online by any employer



Fast-track online learning

Tailored for busy professionals



Industry-relevant content

Aligned with current safety standards



Expert-developed curriculum

Written by instructors with hands-on field experience



Trusted by employers

Used by safety professionals across industries internationally

YOUR CAREER IN NUMBERS

This course builds a specific competency within occupational safety practice. The figures below show United States earnings for occupational health and safety specialists, the profession this competency supports. They are published labor market data for that occupation, not an indication of earnings following this course.

\$93,860

Mean annual wage

\$90,150

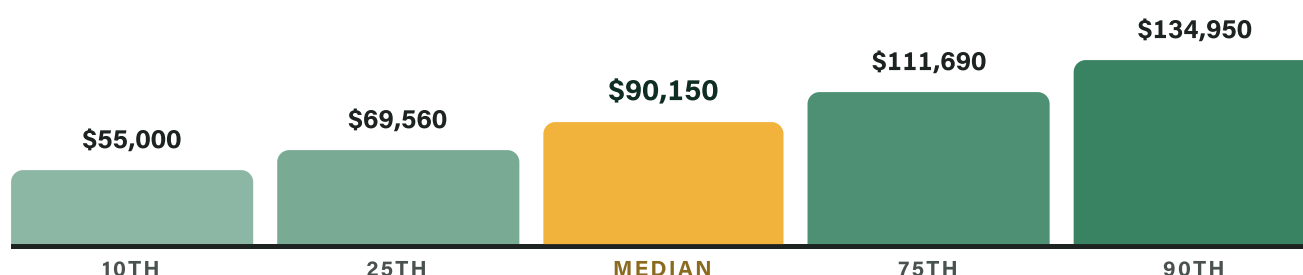
Median annual wage

140,610

Employed nationwide



ANNUAL WAGE RANGE



INDUSTRIES WITH THE MOST JOBS

Local government	9,560
Management & technical consulting	8,400
Federal government	7,410
Nonresidential building construction	7,050
State government	6,490



PAY BY SECTOR

Manufacturing	\$95,270
Construction	\$95,860
Government	\$90,530
Professional & technical services	\$94,940



TOP-PAYING INDUSTRIES

Oil and gas extraction	\$120,700
Scientific R&D services	\$118,800
Aerospace products mfg.	\$118,560
Electric power generation & distribution	\$117,990
Chemical manufacturing*	\$106,400

* Chemical manufacturing: NAICS 3251, 3252, 3253 and 3259 only.

Source: U.S. Bureau of Labor Statistics, Occupational Employment and Wage Statistics, May 2025 (SOC 19-5011). United States only; excludes self-employed workers. Earnings vary by experience, location and employer; no salary is guaranteed.

FREQUENTLY ASKED QUESTIONS

Quick answers about the course, the final exam and your certificate.



STILL HAVE QUESTIONS?

GENERAL
info@amiosp.com

PAYMENTS
accounts@amiosp.com

CALL
+1 (689) 286-3561



ABOUT THE COURSE

Q01

Who is this course for?

Aviation safety officers, defense safety professionals, ground operations supervisors, maintenance managers and defense contractors.

Q02

How is the course delivered?

Online through the AISP Student Dashboard (LMS), with official reference books to download and keep, and lifetime access to your course materials.

Q03

How long does it take?

A minimum of 8 contact hours. The course is self-paced, and most learners finish within one month.



EXAM & RESULTS

Q04

What score do I need to pass?

A minimum of 70% on a timed, open-reference online examination taken through the Student Dashboard.

Q05

When will I receive my results?

Immediately, by email to your registered address.

Q06

What if I don't pass first time?

Further attempts are available. A short review period applies between attempts so you can revisit the course material.



CERTIFICATION & FEES

Q07

What do I receive?

A Certificate of Completion, an official Student Transcript and a wallet card, all with QR verification. The Hardbound Certificate includes a printed copy posted to you in addition to the digital certificate.

Q08

Can employers verify my certificate?

Yes. Every credential carries a unique Master Log Number and QR code, verifiable at amiosp.com/student-verifications.

Q09

How much does it cost?

Prices for the Digital and Hardbound Certificate are on the [course page](#). Hardbound shipping is calculated by delivery address and invoiced separately.



AMERICAN INSTITUTE
OF SAFETY PROFESSIONALS

ENROLL TODAY

READY TO BEGIN?

Advance your safety career with confidence. Enroll in the Aviation and Defense Safety course and build skills you can apply on the job immediately.

ENROLL AT [AMIOSP.COM](https://amiosp.com) →

CONTACT US

American Institute of Safety Professionals LLC

265 Hackensack St, Wood Ridge,
New Jersey 07075, USA



+1 (689) 286-3561



info@amiosp.com



Payments: accounts@amiosp.com



www.amiosp.com

[WWW.AMIOSP.COM](https://www.amiosp.com)

