



AMERICAN INSTITUTE
OF SAFETY PROFESSIONALS

● CERTIFIED COURSE



COURSE CODE • 6100

CERTIFIED GENERATIVE AI HEALTH AND SAFETY PROFESSIONAL

CGAHS

Use generative AI to work faster and smarter in EHS, with the guardrails safety-critical work demands.

8

Modules in one program

40

Minimum contact
hours

70%

Pass mark, final online
exam

3 yrs

Credential renewal cycle

COURSE OVERVIEW

A practical certification that takes EHS professionals from prompt engineering to safety automation, with no coding required.

You will learn how large language models work and how AI Copilots already embedded in EHS platforms answer safety questions, and where they silently fail. You will then build precise, reliable prompts for safety work using zero-shot, few-shot and chain-of-thought techniques, system prompts and structured outputs, and assemble a reusable library of more than 15 EHS prompts.

The program applies AI to the highest-value tasks: job safety analyses, PSIF identification, toolbox talks, inspection checklists, SDS summaries, OSHA 1904 incident classification, root cause analysis, compliance gap analysis and safety plans. Throughout, it treats hallucination, verification and governance as essential: human-in-the-loop review, retrieval-augmented generation, and an AI governance policy aligned with the EU AI Act and ISO/IEC 42001.

CORE COMPETENCIES



Engineer prompts

Reliable prompts and a reusable EHS prompt library



Control hallucination

Verification, RAG grounding and human review



Govern AI use

AI policy aligned with ISO/IEC 42001 and the EU AI Act



Accelerate JSAs

AI-assisted hazard identification and PSIF signals



Investigate with AI

Incident classification, RCA and OSHA reporting



Automate workflows

Compliance documents, KPIs and EHS integration

WHO IT'S FOR

EHS professionals

Safety managers

Safety officers

HSE coordinators

Compliance specialists

Safety consultants

Ideal for EHS practitioners who want to use AI effectively and safely in their daily work. No coding or prior AI experience required.

AT A GLANCE

8

Modules

40

Contact hours

70%

Pass mark

3-year

Renewal

PROGRAM OUTCOMES

Saves

hours of documentation time

Improves

hazard identification

Prevents

AI-generated errors

Builds

responsible AI practice



WHAT YOU'LL LEARN

On successful completion, participants gain the skills to apply generative AI across hazard identification, incident investigation, compliance and safety workflows, safely and accountably.

8

Modules

4

Learning tracks

40

Minimum contact hours



AI FOUNDATIONS

TRACK 01

- 01 Foundations of AI and Generative Models for EHS Professionals
- 02 Prompt Engineering Fundamentals for EHS Applications



RISK & GOVERNANCE

TRACK 02

- 03 AI Hallucinations, Risk and Governance in Safety-Critical Contexts



APPLIED AI IN EHS

TRACK 03

- 04 AI-Powered Job Safety Analysis (JSA) and Hazard Identification
- 05 AI-Powered Incident Investigation and OSHA Reporting
- 06 AI for Regulatory Compliance, Safety Documentation and Reporting



AUTOMATION & CAPSTONE

TRACK 04

- 07 Building AI-Powered Safety Workflows and EHS Automation
- 08 Capstone Project and Professional Certification



PRACTICAL CAPSTONE PROJECT

Alongside module assessments, you complete one capstone project: an AI-augmented JSA and incident investigation package, an AI governance policy and implementation plan, or an AI-powered safety document suite. It is evaluated on prompting quality, output accuracy, hallucination control, governance and professional presentation.

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)



40 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.

3

YEARS

CREDENTIAL RENEWAL

Complete a refresher course and examination every three years to keep your certification active. Renewal fees are listed on the course page.



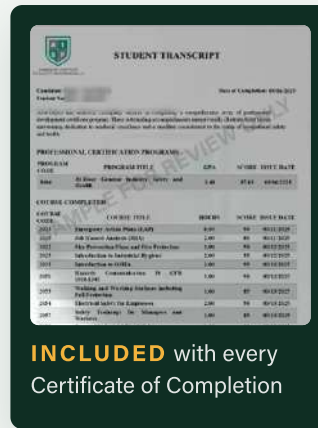
WHAT YOU RECEIVE

Sample documents shown ·
personal details redacted



Certificate of Completion

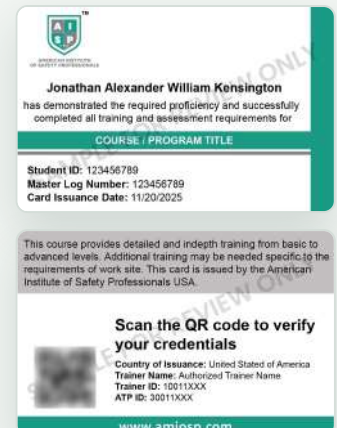
Issued as a digital certificate (PDF) with QR verification. If you select the Hardbound Certificate, a printed copy is also posted to you.



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 certification builds professional-level safety expertise. The figures below show United States earnings for occupational health and safety specialists, the role this training supports. They are published labor market data, not an indication of earnings following this certification.

\$93,860

Mean annual wage

\$90,150

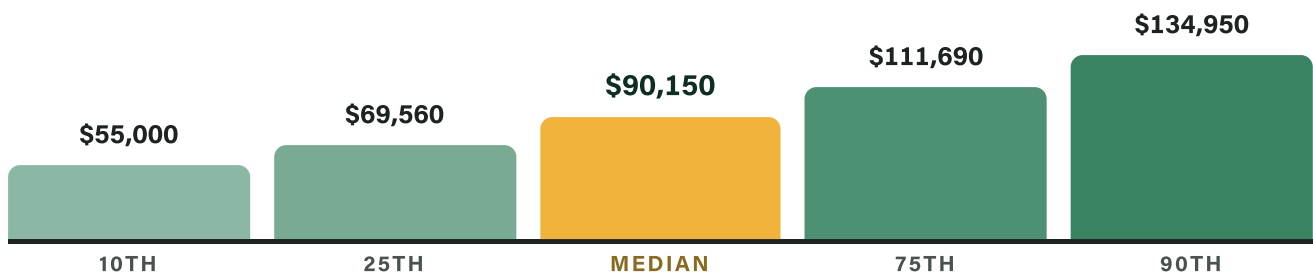
Median annual wage

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 program, the final exam and your certification.



STILL HAVE QUESTIONS?

GENERAL

info@amiosp.com

PAYMENTS

accounts@amiosp.com

CALL

+1 (689) 286-3561



ABOUT THE PROGRAM

Q01

Who is this program for?

EHS professionals, safety managers and officers, HSE coordinators and consultants who want to apply generative AI to safety work.

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 40 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

Does the certification expire?

Renew every three years with a refresher course and exam.

Q09

How much does it cost?

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



AMERICAN INSTITUTE
OF SAFETY PROFESSIONALS

ENROLL TODAY

READY TO BEGIN?

Lead the next generation of safety practice. Enroll in the Certified Generative AI Health and Safety Professional (CGAHS) course and put AI to work responsibly in EHS.

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)

