



AMERICAN INSTITUTE
OF SAFETY PROFESSIONALS

● PROFESSIONAL COURSE



COURSE CODE • 2122

LABORATORY SAFETY

Create a safe, compliant and high-performing laboratory environment.

12

Modules in one course

8

Contact hours

70%

Pass mark, final online exam

COURSE OVERVIEW

An essential course for professionals in laboratories where chemical, biological, physical and ergonomic hazards require strict control.

Laboratories bring together chemicals, biological agents, compressed gases and specialized equipment. The course covers the regulatory framework and the OSHA Laboratory Standard, risk identification and assessment, chemical management and hazard communication, and fume hoods and engineering controls.

Participants also cover PPE, equipment hazards, compressed gases and cryogenics, emergency preparedness, waste management, biosafety protocols, training, and auditing and safety culture. Graduates are equipped to run labs that are both safe and productive.

CORE COMPETENCIES

- | | |
|--|---|
|  Apply the standard
Laboratory Standard and chemical hygiene |  Assess lab risk
Risk identification and assessment |
|  Manage chemicals
Storage and hazard communication |  Control exposure
Fume hoods and ventilation |
|  Handle gases & biology
Cryogenics, gases and biosafety |  Audit & respond
Emergencies, waste and audits |

WHO IT'S FOR

Lab managers

Researchers

Lab technicians

Chemical hygiene officers

EHS staff

Ideal for anyone working in or managing a laboratory.

AT A GLANCE

12

Modules

8

Contact hours

70%

Pass mark

PROGRAM OUTCOMES

Reduces

lab incidents

Supports

compliance

Protects

researchers

Strengthens

safety culture



WHAT YOU'LL LEARN

Twelve focused modules build practical, job-ready knowledge you can apply in the workplace immediately.

12 Modules

8 Contact hours

70% Pass mark

#	MODULE TITLE
01	Regulatory Framework and Laboratory Standard
02	Laboratory Risk Identification and Assessment
03	Chemical Management and Hazard Communication
04	Ventilation, Hoods, and Engineering Controls
05	Personal Protective Equipment (PPE) in Laboratory Settings
06	Laboratory Equipment Hazards and Controls
07	Compressed Gases and Cryogen Safety
08	Emergency Preparedness and Response in Laboratories
09	Waste Management and Environmental Compliance
10	Biological and Biosafety Protocols in Research Labs
11	Laboratory Safety Training and Competency Programs
12	Laboratory Auditing, Inspections, and Safety Culture

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

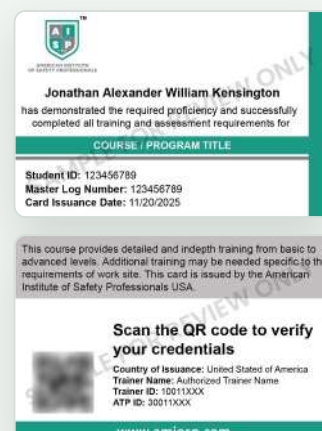
Issued as a digital certificate (PDF) with QR verification. If you select the Hardbound Certificate, a printed copy is also posted to you.



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 practical, job-ready safety skills. 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 course.

\$93,860

Mean annual wage

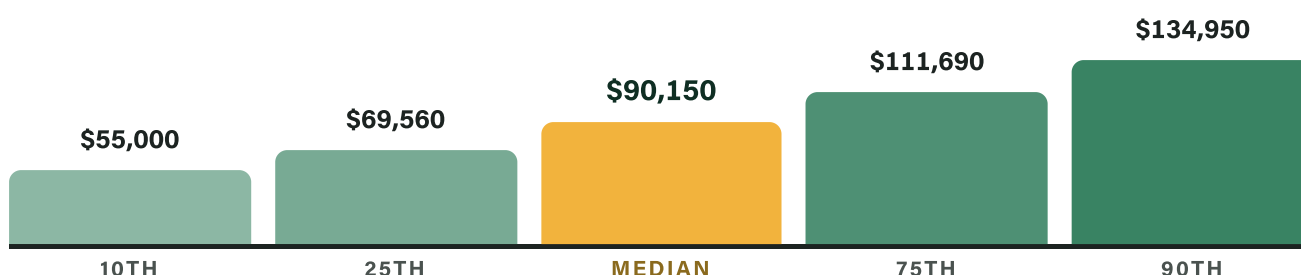
\$90,150

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?

Lab managers, researchers, lab technicians, chemical hygiene officers and EHS staff.

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 certificate carries a unique Master Log Number and QR code, and can be verified 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.



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ENROLL TODAY

READY TO BEGIN?

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

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

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