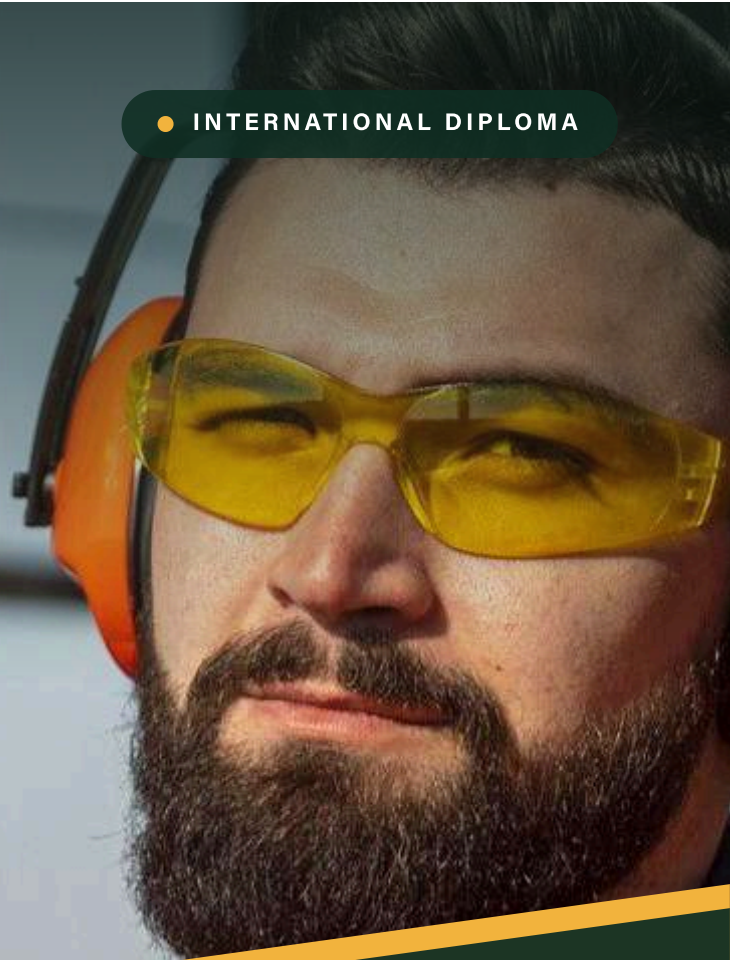




AMERICAN INSTITUTE
OF SAFETY PROFESSIONALS

● INTERNATIONAL DIPLOMA



COURSE CODE • 1022

INTERNATIONAL DIPLOMA IN ADVANCED INDUSTRIAL HYGIENE

The industrial hygiene specialist diploma. Master exposure science, air sampling and analysis, chemical, physical and biological hazard assessment, ventilation and engineering controls, health surveillance and IH auditing.

Level 7 (equivalence)

6 core units

Assignment-based, no written examinations

480

Hours (TQT)

180

Guided learning hours

6

Core units

100%

Assignment-based

DIPLOMA OVERVIEW

Anticipate, recognize, evaluate and control complex workplace health hazards with senior-level expertise.

The International Diploma in Advanced Industrial Hygiene develops advanced technical, analytical and regulatory competence in industrial hygiene and occupational exposure science, reflecting U.S. regulatory practice and internationally recognized frameworks for worker health protection.

It integrates exposure science, toxicology, engineering controls, health surveillance and regulatory compliance into an applied framework, with emphasis on evidence-based exposure assessment, monitoring data interpretation and engineering control verification. It also supports preparation for the CIH (ABIH) and CP-IH (AIHA) examinations, although it does not confer either certification.

GRADUATE CAPABILITIES



Exposure science

Apply advanced exposure science to complex occupational environments



Exposure limits

Interpret OSHA PELs, NIOSH RELs and ACGIH TLVs in real scenarios



Surveillance

Develop and manage health surveillance and biomonitoring programs



Assessment programs

Design and evaluate qualitative and quantitative exposure assessment



Controls

Design, evaluate and verify engineering and ventilation controls



Communication

Communicate exposure risk to management, workers and regulators

WHO IT'S FOR

Industrial hygienists

CIH / CP-IH candidates

Occupational health professionals

EHS managers

Ventilation engineers

Safety consultants

For experienced professionals in manufacturing, chemical, pharmaceutical, oil and gas, mining, construction and laboratory environments. Not introductory.

AT A GLANCE

480 hrs

Total qualification time

180 hrs

Guided learning

300 hrs

Self-study and research



SIX CORE UNITS

Six units progress from exposure science and sampling through hazard assessment and engineering controls to health surveillance, auditing and emerging technology.

480

Hours (TQT)

6

Core units

100%

Assignment-based

Each unit: 80 hours total
qualification time (30 guided
learning + 50 self-study).

UNIT	UNIT TITLE AND CONTENT	HOURS
1022/101	Principles of Industrial Hygiene and Exposure Science The recognition–evaluation–control framework; OSHA Subpart Z, ACGIH TLVs and NIOSH criteria; exposure pathways, dose and determinants; statistical characterization of exposure; PELs, TLVs and RELs; the hierarchy of controls.	80 30 GLH
1022/102	Airborne Contaminants, Sampling, and Analytical Methods Gases, vapours, fumes, mists, dusts and fibres; personal versus area and task-based sampling strategy; pumps, sorbent tubes, filters and direct-reading instruments; NIOSH methods; calibration and chain of custody.	80 30 GLH
1022/103	Chemical, Physical, and Biological Hazard Assessment Solvents, metals, silica and asbestos; noise dosimetry and hearing conservation; vibration; heat stress (WBGT); radiation; bloodborne and airborne pathogens, mould and Legionella; integrated risk characterization.	80 30 GLH
1022/104	Engineering Controls, Ventilation, and Exposure Mitigation Local exhaust hood design, duct velocities, air cleaners and fan selection; dilution ventilation and makeup air; capture velocity, smoke and static pressure testing; substitution, enclosure, isolation and wet methods.	80 30 GLH
1022/105	Occupational Health Surveillance and Risk Communication Pre-placement, periodic and exit screening; biological exposure indices; medical surveillance under OSHA substance standards (lead, benzene, asbestos, silica); epidemiology; risk communication; AIHA and ABIH ethics.	80 30 GLH
1022/106	Advanced Industrial Hygiene Practice, Auditing, and Emerging Technologies IH program audits against OSHA, AIHA and ISO 45001; Bayesian exposure analysis and exposure modeling; wearable monitors, IoT sensors, AI exposure prediction, drone sampling and ventilation digital twins.	80 30 GLH

DELIVERY MODEL

Structured, assignment-based study built for working professionals, with guided independent study, applied research and workplace-relevant analysis instead of fixed lecture schedules.



Online eLearning

Delivered through the AISP Student Dashboard (LMS)



480 Hours

180 guided learning + 300 self-study



Self-Paced

Study around your work; most learners complete in 6–12 months



Lifetime Access

Your learning resources remain in your Student Dashboard after completion



Language: Instruction and assessment are in English. Professional written English is required.



Tutor support: Qualified tutors with industry and academic expertise provide academic guidance, clarify technical and regulatory expectations and give constructive feedback throughout. A designated assessor supports you at every stage.

REGULATORY AND INDUSTRY ALIGNMENT

- ✓ OSHA occupational health and exposure control standards
- ✓ NIOSH exposure assessment and control guidance
- ✓ ACGIH TLVs and Biological Exposure Indices (BEIs)
- ✓ ANSI Z10 and ISO 45001 management principles
- ✓ AIHA professional practice and IH methodologies

YOUR PATH TO THE DIPLOMA

1

Enroll online

Register and access all six units through your Student Dashboard.

2

Study and submit

Work through each unit and submit a formative and a summative assignment for assessment.

3

Earn your diploma

Pass all six units to receive your diploma certificate, transcript and wallet card.



ASSESSED ON WHAT YOU CAN DO

This diploma is assessed entirely through assignment, with no written examinations. Assignments include exposure assessment reports, sampling data interpretation, hazard characterization, engineering control evaluations, surveillance planning and audit-based assessments.

12

Assignments (2 per unit)

26–33k

Words in total

0

Written exams

Pass / Fail

Assessment outcome



Formative (each unit)

800–1,000 words: a technical discussion paper, white paper or guidance document, with developmental feedback from your assessor.



Summative (each unit)

3,500–4,500 words: a professional report, such as an exposure assessment, control evaluation or IH program audit, that applies structured methods and sets out defensible recommendations.



Standards & integrity

Submitted through the student portal and graded by a qualified assessor against a published marking rubric. Work must be properly referenced and is checked for similarity; plagiarism, collusion or contract cheating can lead to disqualification. All assessment decisions are subject to internal quality assurance.



ENTRY REQUIREMENTS

- ✓ A science or engineering background (chemistry, biology, physics, environmental science or engineering) is strongly recommended.
- ✓ Familiarity with occupational health concepts is useful.
- ✓ No formal degree is required where sufficient professional experience is demonstrated.

This qualification is not introductory and is intended for professionals already engaged in exposure evaluation, hazard control, health surveillance or compliance. Professional written English is required, as instruction and assessment are in English.

WHO SHOULD ENROLL

- › Industrial hygienists, including CIH and CP-IH candidates
- › Occupational health professionals (physicians, nurses, safety officers)
- › Safety engineers and EHS managers in manufacturing, chemical, pharmaceutical, oil and gas and mining
- › Ventilation and environmental engineers
- › Safety consultants adding IH services

WHAT YOU RECEIVE

Sample documents shown ·
personal details redacted



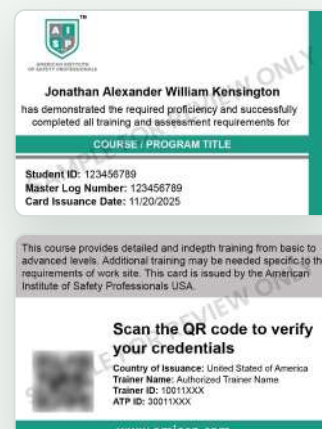
Diploma Certificate

The International Diploma in Advanced Industrial Hygiene, issued by American Institute of Safety Professionals LLC, USA, as a digital certificate (PDF) with QR verification. The hardbound option also includes a printed copy, posted to you.



Official Student Transcript

A formal record of all six units completed and the hours achieved.



Wallet Card

A professional wallet card to carry proof of your diploma on the job.

All three documents are verifiable by employers at [amiosp.com/student-verifications](https://www.amiosp.com/student-verifications).

WHERE THIS DIPLOMA FITS

Industrial Hygiene explains how to measure and control exposure; the Advanced Toxicology diploma (1017) explains why the limits exist. Holding both gives full occupational health competence.

DIPLOMA FEES

Refer to website for prices



Digital
(PDF)

Hardbound + Digital

Courier charges for hardbound copies are quoted separately before dispatch.

Payment assistance
accounts@amiosp.com

THE AISP ADVANTAGE WHY CHOOSE US?



Employer-verifiable worldwide

Every diploma carries a Master Log Number and QR code for instant online verification.



Built for working professionals

Fully online and self-paced, with no exams to sit and no time away from work.



Industry-relevant content

Aligned with OSHA, NIOSH, ACGIH and AIHA practice, and supports CIH and CP-IH exam preparation.



Expert-developed and quality assured

Developed by subject specialists and governed by internal quality assurance for consistent, fair assessment.



Trusted by employers

A credential employers can check in seconds and recognize for its depth.

WHERE THIS DIPLOMA CAN TAKE YOU

The diploma supports progression into senior industrial hygiene and occupational health roles, including:

- Senior Industrial Hygienist / Corporate IH Director
- Exposure Assessment Specialist
- Ventilation and Engineering Controls Specialist
- Occupational Health Surveillance Manager
- Industrial Hygiene Consultant

The figures below show published earnings for occupational health and safety specialists, a closely related occupation. They are labor market data, not an indication of earnings after this diploma.

📍 UNITED STATES DATA ONLY

\$93,860

Mean annual wage

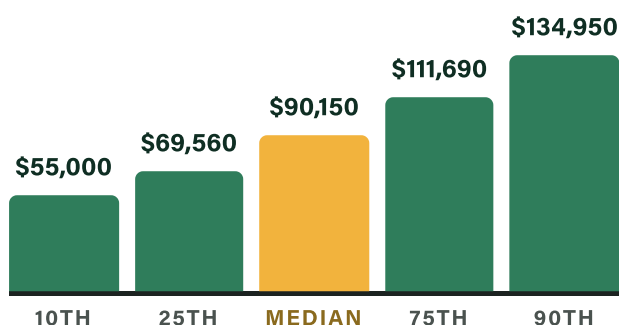
\$90,150

Median annual wage

140,610

Employed nationwide

ANNUAL WAGE RANGE



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, Occupational Health and Safety Specialists). 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 diploma, how it is assessed and what you receive.



STILL HAVE QUESTIONS?

GENERAL
info@amiosp.com

PAYMENTS
accounts@amiosp.com

CALL
+1 (689) 286-3561



ABOUT THE DIPLOMA

Q01

Who is this diploma for?

Experienced industrial hygienists, occupational health professionals, EHS managers, ventilation engineers and consultants.

Q02

Will this make me a CIH?

No. It supports preparation for the CIH (ABIH) and CP-IH (AIHA) examinations, but those certifications are awarded only by their certifying bodies.

Q03

Is this a university degree?

No. It is a professional qualification awarded by the American Institute of Safety Professionals. It does not confer statutory authority, professional licensure or regulatory approval.



STUDY & ASSESSMENT

Q04

How is the diploma delivered?

Fully online through the AISP Student Dashboard (LMS), self-paced, with tutor guidance and a designated assessor.

Q05

How is it assessed?

Through two written assignments per unit (12 in total), graded Pass / Fail against a marking rubric. There are no written examinations.

Q06

How long does it take?

480 hours of total qualification time. Most learners complete the diploma in 6–12 months while working.



ENTRY & AWARD

Q07

Do I need a degree to enroll?

No. A science or engineering background is strongly recommended, and professional experience can stand in for a degree.

Q08

What do I receive?

A diploma certificate, an official transcript and a wallet card, all verifiable at amiosp.com/student-verifications.

Q09

How much does the diploma cost?

Digital and hardbound options are available. See current prices on the [diploma page](#).



AMERICAN INSTITUTE
OF SAFETY PROFESSIONALS

ENROLL TODAY

ADVANCE YOUR PROFESSIONAL STANDING

Take your industrial hygiene practice to a senior level, from sampling strategy to ventilation design. Enroll online and begin your diploma through your AISP Student Dashboard.

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

CONTACT US

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265 Hackensack St, Wood Ridge,
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Payments: accounts@amiosp.com

American Institute of Safety Professionals LLC (Company Reg. No. 15202418). This diploma is an educational and professional qualification. It does not confer statutory authority, professional licensure or regulatory approval. Responsibility for regulatory compliance and legal duties remains with employers, regulators and designated duty holders.

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



QUALITY ASSURANCE & ACADEMIC INTEGRITY

All delivery and assessment are governed by an internal quality assurance framework that protects academic standards, ensures consistent assessment decisions and maintains the integrity of the qualification.

