



Certified Healthcare Simulation Professional

Design, run, and debrief simulation that measurably improves clinical performance and patient safety.

CHSP — Official Study Material & Handbook

American Institute for Medical Sciences and Management (AIMSM)

Program Overview

The Certified Healthcare Simulation Professional (CHSP) program builds the competence to plan, deliver, and evaluate healthcare simulation-based education — from scenario design and realistic environments to psychologically safe debriefing that changes practice.

It integrates adult-learning theory, simulation modalities (manikin-based, standardized patients, task trainers, virtual and hybrid), and the operational side of running a simulation centre safely and efficiently.

Graduates can build a scenario from learning objectives, operate the technology, lead structured debriefings, and demonstrate the impact of simulation on competence, teamwork, and patient safety.

Why This Program

- Simulation lets teams practise high-risk, low-frequency events without risk to patients.
- Poorly designed scenarios or weak debriefing waste resources and can reinforce bad habits.
- Accreditation and training bodies increasingly expect structured, evidence-based simulation programmes.
- A trained simulation professional turns expensive equipment into measurable improvement in care.

Who Should Attend

- Simulation educators, facilitators, and centre coordinators
- Clinical instructors and preceptors in nursing and medicine
- Simulation technicians and operations specialists
- Quality, patient-safety, and education staff using simulation
- Clinicians who design or deliver in-situ or team-based training

Learning Objectives

- Apply adult-learning and simulation theory to education design.
- Build scenarios from clear learning objectives with appropriate fidelity.
- Select and operate the right simulation modality and technology.
- Lead structured, psychologically safe debriefings that change practice.
- Evaluate learning and the impact of simulation, and run a centre safely.

Learning Outcomes

- Design a complete, objective-driven simulation scenario.

- Match modality and fidelity to the learning need and budget.
- Facilitate a debriefing using a recognised structured method.
- Assess competence and teamwork with valid tools.
- Manage simulation operations, safety, and realism effectively.

Curriculum

Module 1: Foundations of Healthcare Simulation

- History, purpose, and evidence base for simulation
- Adult-learning theory and experiential learning
- Fidelity, modalities, and when to use each

Module 2: Scenario Design & Development

- Writing measurable learning objectives
- Building the scenario: progression, cues, and triggers
- Scripting, roles, and standardized patients
- Pilot-testing and refining a scenario

Module 3: Simulation Technology & the Environment

- Manikins, task trainers, virtual and hybrid simulation
- Audiovisual systems and the control room
- Creating realism (moulage, environment, in-situ simulation)

Module 4: Facilitation & Debriefing

- Prebriefing and establishing psychological safety
- Structured debriefing methods (e.g. advocacy-inquiry, PEARLS)
- Managing difficult debriefings and giving feedback

Module 5: Assessment & Evaluation

- Formative vs. summative assessment in simulation
- Valid tools for competence and teamwork (e.g. checklists, global rating)
- Evaluating programme impact and Kirkpatrick levels

Module 6: Simulation Operations, Safety & Quality

- Running and scheduling a simulation centre
- Safety, infection control, and equipment management in the sim lab
- Simulation for patient safety, QI, and systems testing
- Ethics, confidentiality, and the simulation code of conduct

Assessment

- Module knowledge checks
- Scenario-design exercise from given objectives
- Facilitated debriefing demonstration
- Final written examination (passing score 60%)

Capstone Project

Design a complete simulation scenario for a chosen clinical objective — including objectives, script, environment, roles, assessment tools, and a structured debriefing plan — ready to run in a simulation centre or in situ.

Duration

- Total: 30 Hours
- 20 Hours: instruction and hands-on simulation workshops
- 10 Hours: applied scenario build, facilitation, and assessment

Delivery Modes

- On-Site: Interactive instructor-led workshops and hands-on simulation labs.
- Live Online: Real-time virtual classroom sessions led by an instructor.
- Blended: A combination of live sessions and self-paced digital modules.

Impact

- Scenarios that are objective-driven and genuinely improve performance
- Debriefings that change practice in a psychologically safe way
- Better use of simulation equipment and centre resources
- Measurable gains in competence, teamwork, and patient safety

Career Pathways

- Simulation Educator / Facilitator
- Simulation Centre Coordinator
- Simulation Operations Specialist / Technician
- Clinical Skills & Simulation Lead

Examination & Certification

The CHSP examination assesses applied judgement, not rote recall. The passing score is 60%. On passing, AIMS issues a verifiable digital certificate valid for three years. Use this handbook alongside the course workshops to prepare.