



INSTITUTE OF HAZARDOUS MATERIALS MANAGEMENT

Associate Hazardous Materials Manager (AHMM) Exam Specifications (Blueprint) Effective January 1, 2022

An Associate Hazardous Materials Manager (AHMM) is an early career professional with experience in handling hazardous materials in a wide variety of specialties, such as safety, environmental protection, and compliance, or dangerous goods transportation. The AHMM professional focuses on technical knowledge and expertise in handling hazardous materials gained from some experience in the United States military from time in a military occupation specialty code [MOS] or Air Force Specialty Codes [AFSC], or formal education in undergraduate or graduate degree studies in applied science, environmental science, environmental engineering, chemistry, biology, physics, or geology.

Examples of associated MOS/AFSC codes, not a comprehensive list, others may apply:

Army Corps of Engineers			
Engineer Senior Sergeant (MOS 12A)	Combat Engineer (MOS 12B)	Construction Engineering Supervisor (MOS 12H)	Technical Engineer (MOS 12T)
General Engineering Supervisor (MOS 12X)	Combat Engineering Senior Sergeant (MOS 12Z)		

An AHMM works with those who provide proper controls for material handling, transportation, and security throughout the life cycle of hazardous materials, from design and production through storage, recycling, and ultimate disposal. They apply scientific knowledge, engineering technologies, and best management practices in compliance with appropriate regulatory requirements.

The AHMM examination is a testing instrument designed to evaluate a candidate's minimal competency in the field of hazardous materials management. This Specification Blueprint is intended to offer guidance to candidates by outlining the domains and tasks that will be covered on the examination. The blueprint reflects the consensus of the profession validated via a survey of what hazardous materials specialists do in practice. The Blueprint below describes the subject matter covered by the examination. All test items will be drawn from among the domain areas of the Specification Blueprint.

This Specification Blueprint lists below each domain and competencies with tasks given under each domain. A percentage label accompanies each domain in this Specification Blueprint. This

percentage represents the proportion of the actual AHMM examination devoted to that domain. Tasks provide a reference for activities conducted under each domain.

AHMS Eligibility Requirements:

Option 1:

Education	AND	Professional Experience
Associate degree (or higher) from an accredited college or university.	AND	No experience is required.

Option 2:

Education	AND	Professional Experience
High school graduate (or GED).	AND	180 days or more of continuous active service – or - applicant veterans are required to have a military discharge characterized as anything other than dishonorable conditions including Honorable, Under Honorable Conditions, and General from any branch of the USA military.

Option 3:

Education	AND	Professional Experience
Student CHMM upon completion of their degree.	AND	No experience is required.

DOMAINS AND COMPETENCIES/TASKS	% of Exams
1.0 Hazardous Material Identification/Classification	25%
1.1 Understanding of basic chemistry (acids, bases, oxidizers, organics, metals, halogens, etc.).	
1.2 Understanding of Chemical compatibilities (acids/bases, oxidizers/organics, etc.).	
1.3 Understanding of how to obtain chemical information (Safety Data Sheets, CHEMTREC, United Nations Globally Harmonized System of Classification and Labeling of Chemicals (UN GHS).	

2.0 Safety and Personal Protection	25%
2.1 Exposure pathways.	
2.2 Exposure symptoms.	
2.3 Hierarchy of controls.	
2.4 Personal protective equipment (PPE) levels.	
2.5 Types of PPE, uses, limitations.	
3.0 Facility Operations Involving Materials with Hazards	20%
3.1 Chemical segregation and storage.	
3.2 Signage (National Fire Protection Association [NFPA], Hazardous Materials Identification System [HMIS], Globally Harmonized System of Classification and Labeling of Chemicals [GHS]).	
3.3 Basic fire code, alarms, and suppression systems.	
4.0 Emergencies, Response, and Recovery	20%
4.1 Inventory, Threshold Planning Quantities.	
4.2 Emergency planning, preparation.	
4.3 Secondary containment.	
5.0 Standards, Rules, and Regulations	10%
5.1 Understanding the difference between statutes vs. regulations and how each is created.	
5.2 Local vs. State vs. Federal regulation.	
5.3 International agreements (United Nations Conference on Environment and Development Agenda 21, Basel Convention).	
5.4 International Standards (Globally Harmonized System of Classification and Labeling of Chemicals, ISO 14001 Environmental Management Systems).	