

*Table of Specifications (Blueprint)*  
*Hazardous Materials Manager-in-Training (HMMT) Examination*

**SCIENCE AND BASIC TECHNOLOGY**

**Science**

**Chemistry:** Questions covering basic chemistry and the chemical properties of matter, the chemical elements, atoms and bonding, chemical expressions, chemical nomenclature, and chemical reactions.

**Physics (incl. radiation):** Questions covering aspects of physics, as it pertains to the physical properties of matter, energy, detection and health effects associated with ionizing and non-ionizing radiations, and related terminology.

**Geology/Hydrology:** Questions covering geology and hydrology, especially as they relate to soil and ground water pollution, migration and cleanup.

**Biology/Ecology:** Questions covering the effects of hazardous materials on biological and ecological systems.

**Physiology/Health & Safety:** Questions covering physiology, health and safety and how they are affected by chemical, biological, physical, radiological and other hazards likely to be encountered in the workplace.

**Toxicology:** Questions covering toxicology and the application of its principles in reducing and mitigating risks associated with hazardous materials.

**Math & Statistics:** Questions requiring the candidate to use math and statistics in solving problems commonly encountered by the hazardous materials manager.

**Basic Technology**

**Statistical methods:** Questions covering quantitative data gathering, sampling and analysis.

**Basic Laboratory analysis, equipment and instruments:** Questions covering analytical techniques, equipment and instruments, including proper use and limitations.

Upon completion of three years of qualifying experience, a Hazardous Materials Manager-in-Training (HMMT) who has been through this program may register to take the abbreviated CHMM examination, consisting of the sections covering Regulations, Management, and Applied Science & Advanced Technology.