

Health and Safety Engineers, Except Mining Safety Engineers and Inspectors

17-2111.00



Description: Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and industrial health and safety laws. Includes industrial product safety engineers.

Other Resources:

[ONET Link](#)
[MyNextMove Link](#)

Sample of Reported Job Titles: Health and Safety Specialist, Industrial Hygienist

Job Zone

Title: 4 - Considerable Preparation Needed

Education: Require a four-year bachelor's degree.

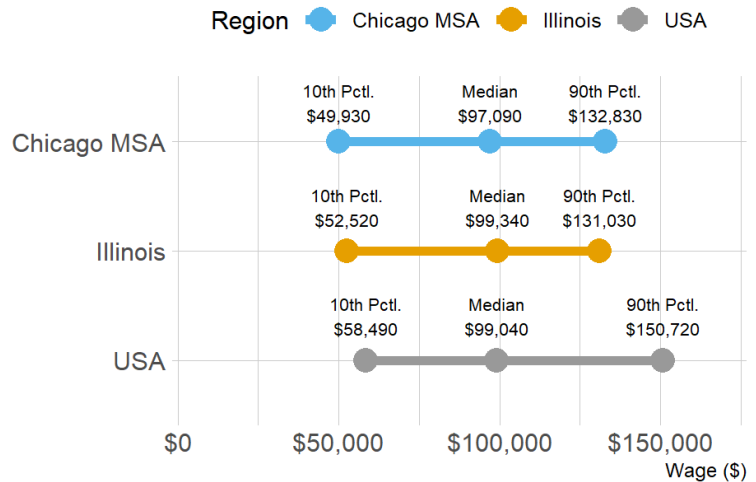
Experience: A considerable amount of work-related skill, knowledge, or experience is needed.

Training: Several years of work-related experience, on-the-job training, and/or vocational training needed.

Core Certifications: Residential Energy Inspector/Plans Examiner, Associate Safety and Health Manager, Product Safety Certification

Hot Technologies: Autodesk AutoCAD, C++, Computer aided design CAD software, Eclipse IDE, Electronic design automation EDA software, Linux, Mathsoft Mathcad

Region	Employment	Location Quotient	Median Wage
Chicago MSA	220	0.32	\$97,090
Illinois	310	0.34	\$99,340
USA	22,870	—	\$99,040



Top 5 Core Tasks According to Current Job Holders

Importance
Frequency (out of 100)

Investigate industrial accidents, injuries, or occupational diseases to determine causes and preventive measures.

More than monthly

90

Conduct research to evaluate safety levels for products.

More than monthly

87

Evaluate product designs for safety.

More than monthly

86

Conduct or coordinate worker training in areas such as safety laws and regulations, hazardous condition monitoring, and use of safety equipment.

More than monthly

86

Maintain and apply knowledge of current policies, regulations, and industrial processes.

Daily

86