



# CAREER PATH Industrial & Engineering Technology

CAREER CLUSTER  
**Manufacturing**

CAREER PATHWAY

**Health, Safety and Environmental Assurance**



## OCCUPATIONAL HEALTH & SAFETY SPECIALIST

Review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors. May conduct inspections and enforce adherence to laws and regulations governing the health and safety of individuals. May be employed in the public or private sector. Includes environmental protection officers.

### Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as an occupational health and safety specialist are reinforced by taking rigorous and relevant courses, as well as participating in work-based experiences and student organization activities.

*(See the Sample Personal Plan of Study for suggested coursework, activities, and knowledge and skills to pursue in preparation of an occupation in this Career Cluster.)*

### Education Requirements

Occupation	Percent of Missouri employees aged 25 to 44 in the occupation whose highest level of educational attainment is:		
	High School or Less	Some College	Bachelor Degree or More
Occupational health & safety specialists	9.4%	18.3%	72.4%
Other healthcare practitioners & technical occupations	9.4%	18.3%	72.3%
Healthcare practitioners & technical	9.9%	31.0%	59.1%

Most Common Educational Level: Bachelor's degree

Note: Be sure to learn whether your occupation has a specific requirement for education or licensing. Apprenticeships are available for more than 240 occupations. Visit [www.oa.doleta.gov/bat.cfm](http://www.oa.doleta.gov/bat.cfm)

### National and State Wage Information

Location	Pay Period	2006		
		Entry*	Median	Experienced**
United States	Hourly	\$21.66	\$27.90	\$34.93
	Yearly	\$45,100	\$58,000	\$72,700
Missouri	Hourly	\$19.25	\$24.24	\$30.86
	Yearly	\$40,000	\$50,400	\$64,200

Based on (\*) lower 25% and (\*\*) upper 25% percentile of wages

### National and State Employment Trends

Occupational Health & Safety Specialist	Employment		Percent Change	Job Openings*
	2006	2016		
United States	45,200	48,900	+ 8%	1,230
Missouri	750	810	+ 8%	20

\*The estimate for Job Openings includes both turnover that results from people who leave the occupation (e.g. quit, retire, death) and new jobs that are created.

### Educational Opportunities

*Note: This list may not be all inclusive. For more information about Missouri schools and programs, visit [www.dhe.mo.gov](http://www.dhe.mo.gov)*

#### Drury University

Springfield, MO  
(417) 873-7879  
[www.drury.edu](http://www.drury.edu)

#### Metropolitan Community College - Business & Technology

Kansas City, MO  
(816) 482-5200  
[www.mcckc.edu](http://www.mcckc.edu)

#### Mineral Area College

Park Hills, MO  
(573) 431-4593  
[www.mineralarea.edu](http://www.mineralarea.edu)

#### Missouri Southern State University

Joplin, MO  
(417) 625-9300  
[www.mssu.edu](http://www.mssu.edu)

#### Southwest Baptist University

Bolivar, MO  
(800) 526-5859  
[www.sbniv.edu](http://www.sbniv.edu)

#### Texas County Technical Institute

Houston, MO  
(417) 967-5466  
[www.texascountytech.edu](http://www.texascountytech.edu)

#### Three Rivers Community College

Poplar Bluff, MO  
(573) 840-9600  
[www.trcc.edu](http://www.trcc.edu)

#### University of Central Missouri

Warrensburg, MO  
(660) 543-4111  
[www.ucmo.edu](http://www.ucmo.edu)



**MISSOURI DEPARTMENT OF  
ELEMENTARY AND SECONDARY  
EDUCATION**



[www.dese.mo.gov](http://www.dese.mo.gov)

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