

OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY

Certificate in Occupational Safety and Health Technology

The Occupational Safety and Health Technology Certificate Program will prepare students with a building block toward the Associate of Applied Science Degree. The Certificate Program entails 38 semester hours or 12 courses to receive a background in Safety, Health and Environmental topics.

The certificate in Occupational Safety and Health Technology will lead to careers in the occupational safety and health field where they will identify, analyze and control hazards of the workplace.

Safety and Health Courses		Credit Hours
OSHT 1301	Introduction to Safety and Health	3
OSHT 1405	OSHA Regulations—Construction Industry	4
OSHT 2401	OSHA Regulations—General Industry	4
OSHT 1313	Accident Prevention, Inspection, & Investigation	3
OSHT 1309	Physical Hazards Control	3
OSHT 2305	Ergonomics and Human Factors in Safety	3
OSHT 2309	Safety Program Management *Capstone	3
EPCT 1305	Environmental Regulations Overview	3
EPCT 1341	Principles of Industrial Hygiene	3
EPCT 1313	Contingency Planning	3
OSHT 1321	Fire Protection Systems	3
OSHT 2320	Safety Training Presentation Techniques	3
Total		38

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COURSE DESCRIPTIONS

OSHT1301 – Introduction to Safety and Health

This is an introductory identifying appropriate procedures to minimize or eliminate injuries and illness in the workplace; incorporate job safety analysis (JSA) and appropriate training; and name elements of an effective safety culture.

OSHT 1405 – OSHA Regulations—Construction Industry

A study of Occupational Safety and Health Administration (OSHA) regulations pertinent to the construction industry.

OSHT 2401 – OSHA Regulations—General Industry

A study of Occupational Safety and Health Administration (OSHA) regulations pertinent to general industry.

OSHT 1313 – Accident Prevention, Inspection, & Investigation

This course provides a basis for understanding the nature of occupational hazard recognition, accident prevention, loss reduction, inspection techniques, and accident investigation analysis.

OSHT 1309 – Physical Hazards Control

This course provides a study of the physical hazards in industry and the methods of workplace design and redesign to control these hazards. Emphasis is placed on the regulation codes and standards associated with the control of physical hazards.

OSHT 2305 – Ergonomics and Human Factors in Safety

This course provides an in-depth study of the relationship of human behavior and ergonomics as applied to workplace safety.

OSHT 2309 – Safety Program Management * Capstone

This course examines the major safety management issues that effect the workplace including safety awareness, loss control, regulatory issues, and human behavior modification. This course provides the student with a learning experience that results in consolidation and synthesis of the program competencies.

EPCT 1305 – Environmental Regulations Overview

This course provides an introduction to the history of the environmental movement, including basic requirements for compliance with the environmental regulations

EPCT1341 – Principles of Industrial Hygiene

This course introduces basic concepts in threshold limits, dose response, and general recognition of occupational hazards, including sampling statistics, calibration, and equipment use. It also provides a study of the control of occupational hazards and sample collection and evaluation methods.

EPCT 1313 – Contingency Planning

This course provides an introduction to the development of an emergency response contingency plan for a facility or community. Emphasis is placed on analyzing the hazards, writing and implementing the contingency plans, and evaluating the effectiveness of the contingency plan.

OSHT 1321– Fire Protection Systems

This is a study of fire protection systems and their applications with emphasis on the fire prevention codes and standards.

OSHT 2320– Safety Training Presentation Techniques

Principles of developing and presenting effective industrial/business training are explored in this course. Emphasis is placed on instructor qualifications and responsibilities, principles of teaching including the use of teaching aids and presentation skills.