



**Health, Safety, and Environmental Management** is a program of study within the **Transportation, Distribution, and Logistics Career Cluster**. A Career Cluster is a grouping of occupations and broad industries based on commonalities. There are 16 Career Clusters.

Career clusters link what students learn in school with the knowledge and skills they need for success in college and careers. The Transportation, Distribution, and Logistics Career Cluster exposes students to careers and businesses involved in the planning, management, and movement of people, materials, and products by road, air, rail and water.

There are seven programs of study in this cluster:

- Facility and Mobile Equipment Maintenance
- Health, Safety, and Environmental Management
- Logistics Planning and Management Services
- Sales and Service
- Transportation Operations
- Transportation Systems/Infrastructure Planning, Management, and Regulation
- Warehousing and Distribution Center Operations

## Employment Outlook

A **Health and Safety Engineer** is an example of an occupation in this program of study. They promote worksite or product safety by applying knowledge of industrial processes and mechanical, chemical, and human performance principles. The number of opportunities for health and safety engineers is expected to grow at an average rate through the year 2014. One of the fastest-growing fields of health and safety engineering is robotics. (Career Information System, 2007). The salary range for health and safety engineers is between \$39,930 and \$92,870 (Occupational Outlook Handbook, 2006-2007).

## Using this brochure

Inside you will find a suggested **program of study** that has lots of helpful information. The model is an example of the types of courses and extended learning experiences that are important for the **Health, Safety, and Environmental Management Program of Study**. Use this model to plan your course schedule, educational experiences, and career choices.

At the top of the model, you will find **career goals** with the corresponding **O\*NET code**. The O\*NET code is an official classification of jobs and can be used to locate career-related information. Your teacher, counselor, or media center should be able to help you locate further information.

The upper left side of the model highlights the **core courses and career-related electives** in high school that will help prepare you for your career goal. This model is based upon the Recommended High School Graduation Plan and can easily be adapted for the Distinguished Achievement High School Graduation Plan.

The upper right side of the model highlights examples of **extended learning experiences** that can enhance your knowledge and skills for your career goal. You will find examples of curricular activities, such as participation in Career and Technical Student Organizations like SkillsUSA, career learning experiences, service learning activities, and extracurricular activities.

The lower left side of the model indicates **industry licensures/certifications** and **on-the-job training experiences** that may be available while still in high school. This section also highlights the various levels of **postsecondary education** and examples of **career options** available to you once you have completed that level of education and training.

The lower right side of the model contains examples of **professional associations** available for safety management professionals. Many organizations allow preprofessional membership while enrolled in a postsecondary program. Most organizations have websites which can be easily located by entering the organization name in available search engines.



# Achieve Texas



## Thinking about a career in Safety Management?

This program of study may be for you! Safety managers look for ways to prevent accidents in the workplace. They inspect buildings and machines for hazards and safety violations. One of the fastest growing fields of safety engineering is robotics. Look inside to see the suggested coursework and learning opportunities that will prepare you for an exciting and rewarding career.