Is safety your number one priority? Are you analytical, cautious, and efficient? If so, a career in occupational health and safety technology may be the right path for you. This is a specialized branch of the health profession that focuses on the environment of workers. Occupational health and safety professionals strive to find and eliminate conditions in the workplace that may result in injury or disease. This is achieved through a process of anticipation, recognition, evaluation, and control of the various stresses that contribute to unsafe working environments.

The San Jacinto College occupational health and safety technology program:

- Is multi-disciplinary in nature, providing students with relevant exposure to biological, chemical, physical, mathematical, and health sciences, as well as a thorough introduction to occupational health and safety concepts.
- Trains students to recognize common occupational safety concerns that deal with safety hazards involved with confined space entry, hazardous energy control, hazard communication, compliance with safety standards, environmental protection, and other areas.
- Prepares students to perform the following functions: identify and analyze accident and loss-producing conditions; develop accident prevention and loss control methods, procedures, and programs; communicate accidents and loss control data to individuals on a need-to-know basis; and measure and evaluate the effectiveness of accident and loss control systems.

Our curriculum is modeled from guidelines of the American Board of Industrial Hygiene (ABIH) and the Board of Certified Safety Professionals (BCSP). The ABIH and BCSP began a jointly sponsored certification program through The Council on Certification of Health, Environmental, and Safety Technologist (CCHEST). CCHEST will administer the testing. Students who pass the certification examination, and pay the required fees, are authorized to use the title Occupational Health and Safety Technologist, and to use the initials OHST after their names. Students may further their studies at an upper level university leading toward Certified Safety Professional and/or Certified Industrial Hygienist.

An environmental, health and safety manager heads the modern safety and health team. Depending on the size of the company and the commitment of its management, the teams include positions for:

- Safety/Environmental Specialist
- Safety/Environmental Engineer
- Industrial Hygienist
- Risk management specialist
- Health physicist
- Occupational physician
- Occupational health nurse

The job of the environmental, health and safety manager is complex and diverse, focusing on analysis, prevention, planning, evaluation, promotion, and compliance. Educational requirements range from technical certificates to graduate degrees. Additional college majors held by practitioners include, environmental science, occupational and environmental health and safety, industrial safety and health technology, industrial technology, industrial engineering technology, manufacturing technology, industrial management, and engineering technology.
Occupational Health and Safety Technology (4OCC-HLTH)

Certificate of Technology

First Term  Credit
EPCT 1307 Introduction to Environmental, Safety and Health Technology ........................................3
OSHT 1309 Physical Hazards Control .................................................3
EPCT 1301 Hazardous Waste Operations and Emergency Response (HAZWOPER) Training and Related Topics ..........3
OSHT 1307 Construction Site Safety and Health .........................3
OSHT 1320 Energy Industrial Safety ..............................................3

Subtotal 15

Second Term  Credit
OSHT 1313 Accident Prevention, Inspection, and Investigation .........................................................3
OSHT 2309 Safety Program Management.................................3
OSHT 2320 Safety Training Presentation Techniques ............3
OSHT 2401 OSHA Regulations - General Industry .........................4
EPCT 1305 Environmental Regulations Overview .......................3
Approved Elective .......................................................................3

Subtotal 16

Certificate of Technology Total 34

Capstone Experience: OSHT 2309

External Learning Experience: OSHT 2380

Approved Electives
EMSP 1160*  EMSP 1501*  EPCT 1311
EPCT 1313  OSHT 1321  OSHT 2380

*EMSP 1501 and EMSP 1160 are both required if used to satisfy the elective requirement for Occupational Health and Safety Technology and must be taken concurrently.

Occupational Health and Safety Technology (3OCC-HLTH)

Associate of Applied Science Degree

Central Campus

First Term  Credit
EPCT 1307 Introduction to Environmental, Safety and Health Technology ........................................3
OSHT 1309 Physical Hazards Control .................................................3
ENGL 1301 Composition I ...............................................................3
*MATH 1333 Contemporary Mathematics for Technical Programs or
MATH 1314 College Algebra ..........................................................3
CHEM 1311 General Chemistry I /CHEM 1111 General Chemistry I-Lab or
CHEM 1305 Introductory Chemistry I/CHEM 1105 Introductory Chemistry I-Lab .................................................4

Subtotal 16

Second Term  Credit
OSHT 1313 Accident Prevention, Inspection, and Investigation .........................................................3
OSHT 2320 Safety Training Presentation Techniques ............3
Speech .........................................................................................3
**CHEM 1312 General Chemistry II/CHEM 1112 General Chemistry II-Lab or
CHEM 1307 Introductory Chemistry II/CHEM 1107 Introductory Chemistry II-Lab .................................................4

Subtotal 13

Third Term  Credit
EPCT 1341 Principles of Industrial Hygiene ........................................3
OSHT 2305 Ergonomics and Human Factors in Safety .............3
OSHT 1307 Construction Site Safety and Health .........................3
ENGL 2311 Technical and Business Writing .........................3
***Humanities or Fine Arts .............................................................3

Subtotal 15

Fourth Term  Credit
EPCT 2333 Environmental Toxicology ...........................................3
OSHT 2401 OSHA Regulations - General Industry .........................4
OSHT 2309 Safety Program Management .........................3
Approved Elective .......................................................................3
***Social and Behavioral Sciences ..............................................4

Subtotal 16

Associate of Applied Science Degree Total 60

Capstone Experience: OSHT 2309

*Students desiring to obtain a baccalaureate degree should take MATH 1314 College Algebra.

**Students desiring to obtain a baccalaureate degree should take CHEM 1312/1112.

***Courses which satisfy this requirement are listed in the Humanities and Fine Arts, and Social and Behavioral Sciences sections of the Transfer Core Curriculum.

Approved Electives
EMSP 1160*  EMSP 1501*  EPCT 1301  EPCT 1305
EPCT 1313  OSHT 1321  OSHT 2380  OSHT 1320

* EMSP 1160 and EMSP 1501 are both required if used to satisfy the elective requirement for Occupational Health and Safety Technology and must be taken concurrently.

Note: For complete program descriptions, please refer to the San Jacinto Community College District Catalog online at www.sanjac.edu/catalog.