

# **Taft College**

## **Environmental Health and Safety Program**

### **Career Technical Education**

Environmental Health and Safety (EHS) is an interdisciplinary major administered by the Career Technical Education (CTE) department. The program includes coursework in the following areas: (1) physical and life sciences; (2) environmental law, safety and health requirements and legal aspects of natural resources; (3) protection of environmental resources; (4) industrial health and safety in the workplace. The program also includes general education in communications, computer skills and management.

EHS is a program that includes a certificate program, Associate of Science degree and transfer to university. The certificate and AS degree prepare students for a broad range of careers including occupational safety, health, environmental science, compliance, permitting, technical support and public resources. Students can find employment in the private and public sectors.

The EHS program provides a comprehensive understanding of all three aspects (Environmental, Health and Safety), however the program allows for a concentration of specific aspects of a given discipline.

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## Program Requirements

### Required Courses

<u>ENER 1503</u>	<b>Environmental Awareness &amp; Regulatory Compliance</b>	3.00 Credits(s)
<u>ENER 1510</u>	Introduction to Energy	3.00 Credits(s)
<u>BIOL 1500</u>	<b>Fundamentals of Biology</b>	3.00 Credits(s)
<u>BIOL 1513</u>	<b>Introduction to Environmental Studies</b>	4.00 Credits
<u>BIOL 2202</u>	General Zoology	5.00 Credits
<u>ENER 1025</u>	Oil and Gas Laws and Regulations	1.00 Credits(s)
<u>IES 1500</u>	<b>Occupational Safety and Health Compliance</b>	3.00 Credits(s)
<u>ENER 1513</u>	Work Experience in Energy Technology	1.00-4.00 Credits(s)
<u>GEOL 1500</u>	<b>Introduction to Geology</b>	4.00 Credits(s)
<u>OSH 1532</u>	<b>Industrial Hygiene</b>	3.00 Credits(s)
<u>OSH 1552</u>	Respiratory Protection for Hazardous Materials Handling and Permit Required Confined Spaces	2.00 Credits(s)
<u>OSH 2058</u>	Occupational Safety and Health Standards for the Construction Industry/OSHA 30 hour Construction Ind	2.00 Credits(s)
	OR	
<u>OSH 2061</u>	Occupational Safety and Health Standards for General Industry/OSHA 30 hour General Industry Training	2.00 Credits(s)
<u>OSH 2065</u>	Trainer Course in Occupational Safety and Health Standards	2.00 Credits(s)
<u>OSH 2000</u>	<b>Occupational Safety and Health Capstone</b>	3.00 Credits(s)
<u>OSH 1055</u>	Excavation, Trenching and Soil Mechanics	1.25 Credits(s)
<u>OSH 1056</u>	Electrical Standards	1.25 Credits(s)
<u>OSH 1065</u>	Machinery and Machine Guarding	1.50 Credits(s)

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<u>OSH 1100</u>	Basic Employee Safety for General Industry	0.25 Credits(s)
<u>OSH 1104</u>	Supervisor Safety Training	0.25 Credits(s)
<u>OSH 1106</u>	Hazardous Material (HAZMAT) First Responder Awareness	0.25 Credits(s)
<u>OSH 1107</u>	Medic First Aid Training/CPR	0.25 Credits(s)
<u>OSH 1108</u>	Hazardous Waste Operations Emergency Response (HAZWOPER) Annual Refresher	0.25 Credits(s)
<u>OSH 1109</u>	Emergency Response Technician Training	1.00 Credits(s)
<u>OSH 1112</u>	Forklift Training for Operators	0.25 Credits(s)
<u>OSH 1113</u>	California Commercial Driver License Permit Preparation	1.75 Credits(s)

## **New Courses:**

<b>Endangered Species Regulation and Protection</b>	<b>3 Credits(s)</b>
<b>Intro to Environmental Science (New course or bolster BIOL 1513)</b>	<b>3 Credits(s)</b>

## Environmental Health and Safety Degree

### Comparison of Programs

Courses/ UNITS	Environmental Studies LOCAL DEGREE	Occupational Health and Safety LOCAL DEGREE	ENVIRONMENTAL SCIENCE ADT CSU TRANSFER	ERM @ CSUB
	ENER 1503 (3 units)	ENER 1503 (3 units)		
	ENER 1510 (3 units)	ENER 1510 (3 units)		
	BIOL 2201 (4 units)	BIOL 1500 (3 units)	* AREA B	
	BIOL 2202 (4 units)		*	
			BIOL 2203 (4 units)	
	BIOL 1513 (4 units)		*	
	GEOL 1500 (4 units)	CHEM 1510 4 (4 units)	* AREA B (both)	GEOL 1500 and CHEM 2211 & 2212
				BIOL 2260
	STAT 1510/ PSYC 2200 ( 5 or 4 units)	STAT 1510/ PSYC 2200 5/4	*AREA B4	*
	OSH 1500 (3 units)	OSH 1500 (3 units)		*for ERM 2900
	OSH 1532 (3 units)	OSH 1532 (3 units)		
	ECON 2120 (3 units)		*AREA D	*
		OSH 2058 (2 units)		
		OSH 2061 2 (2 units)		
	WORK EXPERIENCE OR OSH 2900 (3 units)	OSH 2900 OR WORK EXPERIENCE (3 units)		
	ENGL 1500 (3 units)	ENGL 1500 (3 units)	*AREA A2	*
	COMM ? (3 units)	COMM ? (3 units)	*AREA A1	*
	CRIT THINK (3 units)	CRIT THINK (3 units)	*AREA A3	*
	HIST 2231/ 2232 (3 units)	HIST 2231/2232 (3 units)	*AREA C	*
	POSC 1501 (3 units)	POSC 1501 (3 units)	*AREA D	*
	HLED 1510 (3 units)	HLED 1510 (3 units)	*AREA E	*
	ARTS/HUM (3 units)	ARTS/HUM (3 units)	*AREA C	*
	ENTH 1510 (3 units)	ENTH 1510 (3 units)	*AREA F	*
Total units	63 units total	54 units total need 6 units of electives	48 units plus 12 units of electives	

Green classes double count for general education

### Jobs associated with this program

Occupational hygienist

Health and safety manager state certification AS

Certified Safety Personnel BS