

# ENVIRONMENTAL TECHNOLOGY

DIVISION OF MATHEMATICS & SCIENCES

FOR GREEN ENERGY AND ALTERNATIVE ENERGY TECHNOLOGY PLEASE SEE ELECTRONICS

## ET 110 HAZARDOUS WASTE GENERATION/REDUCTION/TREATMENT

3 Units/Advisory: ENGL 035 or ESL 198 or appropriate assessment, READ 023 or appropriate assessment, and MATH 050 or appropriate assessment.

Transfers to: CSU

This course is designed to educate individuals working in or seeking employment in the hazardous waste management field with an overview of industrial processes and their generation of waste streams. The selected industries include: electroplating, metal finishing and printed circuit board production; oil refining and chemical production; steel production; general manufacturing; printing and graphic production; agriculture; and consumer services.

★ 0041 W 7:00-10:10 PM HERNANDEZ E Rm S121

## ET 260 ENVIRONMENTAL SAMPLING AND ANALYSIS

4 Units/Advisory: ENGL035 or ESL 198 or appropriate assessment, READ 023 or appropriate assessment, MATH 050 or appropriate assessment, CHEM 110, BIOL 120 and BIOL 120L.

Transfers to: CSU

This course provides an overview of the techniques of sampling protocols for obtaining soil, air, surface water, and groundwater samples based on the U.S. EPA approved sampling protocols. In the lecture, emphasis is placed on the aspects of the procurement of the samples through the EPA approved standard operating procedures and practices. In the laboratory, the student will gain practical knowledge and skills for the appropriate collection and handling of environmental samples.

★ 0045 M(Lec) 7:00-10:10pm EARLEY J Rm S121  
 &W(Lab) 7:00-10:10pm EARLEY J Rm S129

## ET 271 WASTEWATER TREATMENT PLANT OPERATIONS II

3 Units/Prerequisite: ET 270.

Advisory: MATH 020 or appropriate assessment, ENGL 035 or ESL 198 or appropriate assessment, and READ 023 or appropriate assessment.

Transfers to: CSU

This is the second course of a series of water treatment courses designed to train individuals, who are working in or who seek employment in the wastewater treatment field, with the practical aspects of operating and maintaining wastewater treatment plants, emphasizing the use of safe practices and procedures. Information presented includes: conventional activated sludge processes, sludge digestion and solids handling, effluent disposal, plant safety and good housekeeping, plant and equipment maintenance, analysis and presentation of data, and records and report writing. Students will also learn to analyze and solve operational problems and to perform mathematical calculations relating to wastewater treatment process control.

★ 0227 T 7:00-10:10 PM SHIMOKOCHI R Rm S121

## ET 290 COOPERATIVE WORK EXPERIENCE/INTERNSHIP FOR ENVIRONMENTAL TECHNOLOGY RELATED FIELDS

1-4 Units/Advisory: READ 023 or appropriate assessment; ENGL 035 or ESL 198 or appropriate assessment.

Transfers to: CSU

This course supports and reinforces on-the-job training in business and industrial establishments under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the field of environmental technology and have completed or enrolled in the appropriate coursework. This course may be taken once and repeated three times for credit.

For more information contact the instructor at [gduran@riohondo.edu](mailto:gduran@riohondo.edu)

0052 TBA Times to be arranged \*1 unit DURAN G Rm TBA  
 0054 TBA Times to be arranged \*2 units DURAN G Rm TBA  
 0055 TBA Times to be arranged \*3 units DURAN G Rm TBA  
 0057 TBA Times to be arranged \*4 units DURAN G Rm TBA

Student Unpaid Internship: 1 Unit/60 hours; 2 Units/120 hours; 3 Units/180 hours; 4 Units/240 hours

Student Paid Internship: 1 Unit/75 hours; 2 Units/150 hours; 3 Units/225 hours; 4 Units/300 hours

★ = Evening ☞ = Online/Hybrid Classes

# FIRE TECHNOLOGY

DIVISION OF PUBLIC SAFETY

STUDENTS SHOULD BE AWARE THAT BASIC FIRE TECHNOLOGY TRAINING CLASS FAC118 REQUIRES ARDUOUS PHYSICAL TRAINING. Entrance into the academy is on a priority basis. Information regarding the priority system is available in the Counseling Office or the Santa Fe Springs Regional Training Center. Students cannot register for the Fire Academy by mail or by phone. Applications for the Academy must be filed at the 11400 Greenstone Ave., Santa Fe Springs between Oct 1st - Nov 16th, 2009.

### ACADEMY CLASS #74

APPLICATIONS: 10/1/2009 – 11/16/2009

REGISTRATION: 1/13/2010

INSTRUCTION BEGINS: 1/19/2010

GRADUATION: 5/15/2010

Family Day- 1/9/2010 @ 10:00 am

PHYSICAL ABILITIES TEST- Mandatory for all who apply- 12/05/2009 @ 0800

### FULL TIME FIRE ACADEMY

#### FULL TIME ACADEMY- EMT 093 IS A PRE-REQUISITE

You must have at least a national registry card/taking EMT during the summer at Rio Hondo does not qualify.

## FAC 118 FIREFIGHTER I, BASIC FIRE ACADEMY

17 Units/Prerequisite: READ 023 or appropriate assessment, ENGL 035 or ESL 198 or appropriate assessment, MATH 030 or appropriate assessment, FTECH 101, FTECH 103, FTECH 104, FTECH 105, FTECH 106, EMT 093. Advisory: BIOL 125.

Transfers to: CSU-Restricted (see counselor for restrictions)

This course is designed for recently employed firefighters and other interested students. Topics covered include organization of the public and private fire service, characteristics and behavior of fire, fire hazards and firefighter safety, extinguishing agents and related extinguishing equipment, fire protection systems and water supply, incident command system, confine space awareness, building construction and assemblies, basic fire fighting tactics and strategy, fire prevention, hazardous materials, emergency care, wild land firefighting, Rapid Intervention, Rescue Systems and physical fitness. This course meets the State Board of Fire Services requirements for designation as a "California Fire fighter I Accredited Academy" (ARA or Accredited Regional Academy by the California State Fire Marshal). Students who complete this course also receive California certification as an Emergency Medical Technician, Vehicle Extrication, Fire Control I & II, Hazardous

Materials First Responder Operational, Confine Space Awareness, Rescue Systems I, S-130,S-190and ICS -200. This course may be taken once and repeated once for credit.

All sections of FAC 118 Basic Fire Academy have a materials fee of \$230.00 per ticket number.

1162 MTW 6:30AM-5:00PM RICKMAN T SFSTC

ThF FIRE ACADEMY CLASS #74 (Full Time Academy)

SFSTC-SANTA FE SPRINGS TRAINING CENTER is located at 11400 Greenstone Ave., Santa Fe Springs, CA

### CAMPUS CLASSES

#### FIRE TECHNOLOGY INFORMATION MEETINGS

There is an orientation meeting held for the Fire Technology Program on the second Tuesday of every month at 6:30 pm. This meeting is for information only for those interested in the Fire Academy and Fire Technology Program. This meeting is held at the SANTA FE SPRINGS TRAINING CENTER located at 11400 Greenstone Ave., Santa Fe Springs, CA. For further information please call Tracy Rickman at (562) 941-4082 ext 21.

## CALIFORNIA STATE FIRE MARSHAL CERTIFICATION COURSES

Visit [www.riohondofire.com](http://www.riohondofire.com) for a complete listing of course offerings