

PROGRAM APPROVAL APPLICATION
NEW or SUBSTANTIAL CHANGE or LOCALLY APPROVED
(This application may not exceed 3 pages)

Fill In Form

Environmental Technology /Waste Management

Fall 2016

Proposed Program Title

Projected Program Start Date

Rio Hondo College

Rio Hondo Community College District

College

District

Contact Information

Bruce Noble

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Voting Member

Title

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Phone Number

Email

Goal(s) of Program (Check all that apply):

- Career Technical Education (CTE) Transfer Other

Type of Program (Check all that apply):

- Certificate of Achievement 12-17 (or 17-27 quarter) units Certificate of Achievement 18+ semester (or 27+ quarter) units
 Associate of Science Degree Associate of Arts Degree

Reason for Approval Request (Check One):

- New Program Substantial Change Locally Approved

Program Information

0303.00

Recommended [Taxonomy of Program \(TOP\) Code](#)

NA

Units for Major-Degree

NA

Total Units for Degree

24-25

Required Units-Certificate

Written Form

1. Insert the description of the program as it will appear in the catalog. (See PCAH pp. 142 and 170)

The Environmental Technology Waste Management Certificate is designed to prepare students to enter the waste management field or upgrade working individuals with waste management field technician skills. Students will gain the skills and knowledge that allow a person to work in the environmental field in compliance with the governmental

regulations and at the same time protect human health and the environment.

2. Provide a brief rationale for the program.

The Environmental Technology Waste Management Certificate provides students with the courses that all Waste Management Technicians would need to be successful in the waste management field. Rio Hondo currently has several Associate of Science degrees in Environmental Technology and the COA in Environmental Technology /Waste Management is 24-25 units, so it is designed to be completed within a few semesters and to allow for a rapid transition as an intern/employee into the environmental field. The relatively low unit certificate is also designed to increase the number of certificate “completers” in the Environmental Technology Program. Additionally, the lower unit Environmental Technology Field Technician Certificate contains the core courses that this Waste Management Certificate requires for completion and therefore they are “stackable”. The “stackable” nature of these certificates will allow students to be completers with multiple certificates

3. Summarize the Labor Market Information (LMI) and employment outlook (including citation for the source of the data) for students exiting the program. (See PCAH pp. 85-88, 136, 147, 148, 165, 168, and 176)

Many of the RHC interns are placed in full and part time positions with the same companies that they are interning with, once the internship opportunity is finished. This is partly because of their newly gained experience in the field and because they have the proper coursework and required certifications to work successfully in the environmental field. The new waste management certificate will definitely enhance the success rates of such job placement.

In the US, there are presently about 400,000 workers in the Waste Management field, however, the Bureau of Labor Statistics estimates that there will be a 14% (455,000 in 2022) rise in available jobs in the waste management field over the next few years.

This is partly due to the rise of universal waste streams arising from new technologies, the increased frequency of household hazardous waste roundups, and also to the rise of Municipal Recycling Facilities as landfills close. Locally this is being seen with the closure of the Puente Hills Landfill.

Data from Data from the COE – EMSI data for LA/OC, indicates that workers with a SOC of 47-4041 (Hazardous Materials Removal Workers) in the LA-OC Area will have 1209 jobs in 2016 with 32 annual openings. The median income will be \$21.08/hr. The growth of universal waste streams should also increase jobs openings in the near future.

4. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (There is space for 10 listings, if you need more, please contact laocrc@sccollege.edu)

College	Program	Who You Contacted	Outcome of Contact
Golden West College	Recycling & Resource Mgmnt Program	Mary Wallace	Very Supportive
Irvine Valley College	Sustainability & Resource Mgmnt	Jodi Titus	In Progress
Santa Monica College	Recycling & Resource Mgmnt Program	Vickie Drake	In Progress

