

CERTIFICATE OF ACHIEVEMENT

This Certificate of Achievement is an 18-month program that prepares students for a lucrative career in this area. Students learn to operate the machinery used in wastewater management plants where urban wastewater is treated for release back into the environment. Classes are generally held at the Clark County Sanitation District facilities.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the fundamentals of waste water treatment and related technologies.
- Demonstrate an understanding of the laws and regulations that apply to waste water treatment.
- Demonstrate an understanding of the various treatment methodologies and technologies applicable to waste water treatment.
- Demonstrate an understanding of pump operation and maintenance for waste water treatment operation.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 107	3	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
ESH 202 Environmental Laws and Regulations	3	_____
ESH 240B Wastewater Treatment I	3	_____
ESH 241B Wastewater Treatment II	3	_____
ESH 242B Wastewater Treatment III	3	_____
ESH 246B Water/Wastewater Mathematics I	3	_____
ESH 247B Water/Wastewater Mathematics II	3	_____
ESH 248B Water Quality Analysis and Laboratory	4	_____
ESH 250B Pump Operation and Maintenance	3	_____
ESH 251B Current Issues	3	_____

Computation included in ESH 246B
Human Relations included in ESH 202

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ESHWW-CT

31
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

Guided Pathways 2014-2015
COA ENVIRONMENTAL SAFETY AND HEALTH
WASTEWATER TREATMENT
 31 Credits

First Semester <i>Fall</i>			<i>Credits</i>	<i>Completed</i>
ESH 240B	Wastewater Treatment I	3	Fall Only	
ENG 107	Technical Communication I	3		
	Prerequisite: English Placement Exam			
Total		6		

Second Semester			<i>Credits</i>	
ESH 202	Environmental Laws and Regulations	3	Spring Only	
ESH 241B	Wastewater Treatment II	3		Spring Only
	Prerequisite: ESH 240B			
ESH 246B	Water/Wastewater Mathematics I	3	Spring Only	
	Prerequisite: ESH 240B or 243B			
Total		9		

Summer Semester			<i>Credits</i>	
ESH 250	Pump Operation and Maintenance	3	Summer Only	
ESH 251	Current Issues	3	Summer Only	
Total		6		

Third Semester			<i>Credits</i>	
ESH 242B	Wastewater Treatment III	3	Fall Only	
	Prerequisite: ESH 241B			
ESH 247B	Water/Wastewater Mathematics II	3	Fall Only	
	Prerequisite: ESH 246B			
ESH 248B	Water Quality Analysis and Laboratory	4	Fall Only	
	Prerequisite: ESH 241B and 246B			
Total		10		