

**CERTIFICATE OF ACHIEVEMENT**

The Certificate of Achievement in Environmental Safety and Health, Water Treatment emphasis is an 18-month program that prepares students for a lucrative career in this area. Students learn how to maintain and operate plants that treat water supplies for urban areas. Classes are generally held at the Clark County Sanitation District.

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

- Demonstrate an understanding of the fundamentals of water treatment and related technologies.
- Demonstrate an understanding of the laws and regulations that apply to drinking water treatment.
- Demonstrate an understanding of the various treatment methodologies and technologies applicable to drinking water treatment.
- Demonstrate an understanding of pump operation and maintenance for drinking 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 243B Water Treatment Plant Operations I	3	_____
ESH 244B Water Distribution I	3	_____
ESH 245B Water Treatment Plant Operations II	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		

**31**  
Total Credits

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ESH C03

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.