

# WATER AND WASTEWATER TREATMENT CERTIFICATE

---

## Description

Students earning a certificate in Water and Wastewater Treatment will:

1. Understand the function and be able to design physical and chemical separation processes in water and wastewater treatment.
2. Understand the principles that control the design and operation of biological unit process municipal wastewater treatment and be able to design processes for organics removal and nitrogen and phosphorus reduction, and biosolids stabilization.

## Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

Code	Title	Semester Hours
Select three of the following:		9
CIVL 601	Sustainable Water Quality and Resources	
CIVL 617	Water Treatment Processes	
CIVL 618	Water Reuse and Desalination	
CIVL 619	Advanced Integrated Water Treatment Systems	
<b>Total Semester Hours</b>		<b>9</b>