

WASTEWATER COLLECTION SYSTEMS, ADVANCED WASTEWATER COLLECTION SYSTEMS CERTIFICATE OF SPECIALIZATION



Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Wastewater Collection Systems-7
 - Perform basic mathematical computations and conversions relating to wastewater collection systems, pressure, volume, velocity, chemical dosage, and hydraulic and organic loading.
- Wastewater Collection Systems-5
 - Describe the nine basic cleaning methods and basic principles involved in hydraulic and mechanical cleaning methods.
- Wastewater Collection Systems-2
 - Identify the types and functions of pipes and fittings used in wastewater collection system design and management.
- Wastewater Collection Systems-4
 - Describe in detail basic underground location and leak detection, trenching and shoring, and backfill and compaction methods of construction used in the field.

Certificate Requirements

Code	Title	Units
CWS-106	Electrical & Instrumentation Processes	3
CWS-204	Applied Hydraulics	3
CWS-232	Advanced Wastewater Collection Systems	3
Total Units		9

Certificate of Specialization

Students who complete the requirements above qualify for a certificate in that area of emphasis. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.