

WASTEWATER COLLECTION SYSTEMS, WATER & WASTEWATER FUNDAMENTALS CERTIFICATE OF SPECIALIZATION



Program Learning Outcomes

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

- Wastewater Collection Systems-1
 - Define common terminology pertaining to collections system components, design, and management as well as inspection and quality control.
- Wastewater Collection Systems-3
 - Given a wastewater collection map book, identify pipeline dimensions, pipe construction materials, direction of flow, and location of valves, services and lift stations.
- 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.

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.