



# WATER INDUSTRY

It's never been easier to map out a career path in water industry. Regardless of where you're starting, there's a program that's right for you. **Contact us to learn more!**



## Water Distribution

Fundamentals of Water & Wastewater	<b>Level 2 Advanced</b>	CWS 230 Adv. Water Distribution Systems CWS 204 Applied Hydraulics CWS 110 Lab Analysis for Water & Wastewater <b>Prepares Students for SWRCB D3-D5 Exams</b>
	<b>Level 1 Basic</b>	CWS 134 Pumps, Motors, and Valves CWS 130 Water Distribution Systems CWS106 Electric & Instrumentation Process <b>Prepares Students for SWRCB D1-D2 Exams</b>
		CWS 107 Safety in Water and Wastewater CWS 102 Calculations in Water and Wastewater CWS 101 Fundamentals of Water and Wastewater CWS 100 Career Pathways in Water & Wastewater
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## Water Treatment

Fundamentals of Water & Wastewater	<b>Level 2 Advanced</b>	CWS 212 Adv. Water Treatment Plant Operations CWS 204 Applied Hydraulics CWS 134 Pumps, Motor, Valves <b>Prepares Students for SWRCB T3-T5 Exams</b>
	<b>Level 1 Basic</b>	CWS112 Water Treatment Plant Operations CWS 110 Lab Analysis for Water & Wastewater CWS106 Electric & Instrumentation Process <b>Prepares Students for SWRCB T1-T2 Exams</b>
		CWS 107 Safety in Water and Wastewater CWS 102 Calculations in Water and Wastewater CWS 101 Fundamentals of Water and Wastewater CWS 100 Career Pathways in Water & Wastewater
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## Wastewater Collection Systems

Fundamentals of Water & Wastewater	<b>Level 2 Advanced</b>	CWS 232 Adv. Wastewater Collection Systems CWS 204 Applied Hydraulics CWS 106 Electrical & Instrumentation Processes <b>Prepares Students for CWEA Grade 3-4 Collections</b>
	<b>Level 1 Basic</b>	CWS232 Adv. Wastewater Collection Systems CWS 134 Pumps, Motor, Valves CWS 132 Wastewater Collection Systems <b>Prepares Students for CWEA Grade 1-2 Collections</b>
		CWS 107 Safety in Water and Wastewater CWS 102 Calculations in Water and Wastewater CWS 101 Fundamentals of Water and Wastewater CWS 100 Career Pathways in Water & Wastewater
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## Wastewater Treatment

Fundamentals of Water & Wastewater	<b>Level 2 Advanced</b>	CWS 214 Adv. Wastewater Treatment Plant Operations CWS 204 Applied Hydraulics CWS 134 Pumps, Motors, and Valves <b>Prepares Students for SWRCB Grade 3-5 Exams</b>
	<b>Level 1 Basic</b>	CWS 114 Wastewater Treatment Plant Operations CWS 110 Laboratory Analysis for Water Wastewater CWS106 Electric & Instrumentation Process <b>Prepares Students for SWRCB Grade 1-2 Exams</b>
		CWS 107 Safety in Water and Wastewater CWS 102 Calculations in Water and Wastewater CWS 101 Fundamentals of Water and Wastewater CWS 100 Career Pathways in Water & Wastewater
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STACKABLE CERTIFICATES

## Center for Water Studies: Associate Degree Programs and Certificates

Courses	Units	Backflow and Cross-Connection and Control		Water Distribution Operations	Water Resources Management	Water Treatment Plant Operations	Wastewater Collection Systems	Wastewater Treatment Operations
		20 units	9 units min					
<b>C= Core Courses Required</b>								
<b>E= Elective Courses</b>								
CWS 100 Career Pathways in Water & Wastewater	3	C		C		C		C
CWS 101 Fundamentals of Water/ Wastewater	3	C		C	C	C		C
CWS 102 Calculations I Water/Wastewater Technology	3	C		C	E1	C		C
CWS 103 Water Resources Management	3	E		E	C	E		E
CWS 105 Water Conservation	3	E		E	C	E		E
CWS 106 Electric & Instrumentation Processes	3	E		C		C		C
CWS 107 Safety in Water & Wastewater	3	C		C		C		C
CWS 110 Laboratory Analysis for Water & Wastewater	3	E		C		C		C
CWS 112 Water Treatment Plant Operations	3	E		E	E1	C		E
CWS 114 Wastewater Treatment Plant Operations	3	E		E	E1	E		E
CWS 115 Wastewater Reclamation and Reuse	3	E		E	C	E		E
CWS 130 Water Distribution Systems	3	C		C	E1	E		E
CWS 132 Wastewater Collection Systems	3	E		E	E1	C		E
CWS 134 Pumps, Motors, and Valves	3	E		C		C		C
CWS 204 Applied Hydraulics	3	C		C		C		C
CWS 206 Advanced Electrical & Instrumentation Processes	3	E		E		E		E
CWS 207 Practical Skills in Water & Wastewater Systems	2	E		E		E		E
CWS 210 Advanced Laboratory Analysis for Water & Wastewater	3	E		E		E		E
CWS 212 Advanced Water Treatment Plant Operations	3	E		E		C		E
CWS 214 Advanced Wastewater Treatment Plant Operations	3	E		E		E		E
CWS 230 Advanced Water Distribution Systems	3	C		C		E		E
CWS 232 Advanced Water Collection Systems	3	E		E		C		E
CWS 268 Membrane Plant Operation	3	E		E		E		E
CWS 270 Public Works Supervision	3	E		E		E		E
CWS 280 Backflow Tester Training	2	C		E	E1	E		E
CWS 282 Cross Connection Control Specialist	3	C		E	E1	E		E
CWS 284 Cross Connection Control Specialist-Recycled Water	3	C		E	E1	E		E
CWS 290 Cooperative Work Experience	1 to 4	E		E	C (or OH 290) 2 units	E		E
OH 120 Fundamentals of Ornamental Horticulture	3			C				
OH 170 Plant Materials: Trees and Shrubs	3			C				
OH 221 Landscape Construction: Irrigation and Carpentry	3			C				
OH 250 Landscape Water Management	2			C				
OH 290 Cooperative Work Experience Education	1 to 4			C (or CWS 290) 2 units				
OH 102 Xeriscaps: Water Conservation in the Landscape	2			E2				