



Academic Map: Water/Wastewater Treatment: Water Treatment (CA)

Certificate of Achievement (C.A.) | 31 Total Credits | CSN Degree Code: WWTWAT-CT | Catalog Year: 2022-2023 |

Industry, Manufacturing, Construction & Transportation Advanced and Applied Technologies Department of Applied Technologies

Jobs and Employment Information: <https://www.csn.edu/imctarea>

DESCRIPTION: This program prepares students for a career in water and/or wastewater treatment maintenance. Students learn to maintain and operate the machinery used in facilities for the treatment of water supplies in urban areas and/or for the treatment of water supplies in urban areas and/or for wastewater treatment that is released back into the environment.

TERM 1 – TOTAL CREDIT HOURS: 12

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>
MATH 116 Technical Mathematics	3	None
COM 115 Applied Communication	3	None
WWT 105B Water Treatment Operations	3	None
WWT 120B Pump Oper and Maintenance	3	None

<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
GE Math	C	
GE Com	C	
Special Prog Req	C	
Special Prog Req	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 6 - 9

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>
WWT 106B Water Treatment Operations II	3	WWT 105B
WWT 115B Water/Wastewater Mathematics	3	MATH 116 and WWT 101B or WWT 105B
IS 100B or IS 101 ¹	0-3	None

<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
Special Prog Req	C	
Special Prog Req	C	
Digital Literacy	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 10

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>
WWT 205B Water Distribution	3	None
WWT 215B Water/Wastewater Math II	3	WWT 115B
WWT 220B Water Quality Analysis	4	WWT 101B or WWT 105B and WWT 115B

<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
Special Prog Req	C	
Special Prog Req	C	
Special Prog Req	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 3

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>
WWT 225B Wastewater Collection System	3	WWT 215B

<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
Special Prog Req	C	Apply for Graduation

¹Students who require IS 101 will complete a total of 34 credits for this certificate.

