



# WATER TREATMENT TECHNOLOGY



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### PROGRAM PURPOSE

The Water Treatment Technology Program will provide students a fundamental understanding of the scientific principles used to treat drinking water as well as sanitize wastewater before it is discharged back into the environment.

Students will learn industry theory and gain “hands-on” experience using laboratory exercises to better understand the information across the spectrum — from the basics to an in-depth study of Water and Wastewater Treatment.



**The State of Maine has an immediate and growing need for qualified water and wastewater treatment plant operators.**

### CAREER OPPORTUNITIES

Graduates qualify as technicians in water and wastewater treatment plant operators.

Additional opportunities exist for laboratory analysis, chemical processing, and sales positions in companies that support the water industry.

### APPLICATION PROCEDURE

*The following procedures constitute the admissions process:*

1. An application form must be submitted accompanied by a nonrefundable \$20 application fee.
2. An official high school transcript must also be submitted (current seniors' transcripts should include completed ranking periods).
3. HiSET/GED test scores must be submitted by applicants who are not high school graduates.
4. Official college transcripts must be submitted by applicants who have attended other colleges or post-secondary schools.
5. Placement testing or appropriate SAT scores and individual interviews are required prior to being admitted.
6. Admissions decisions are made as quickly as possible once a candidate's file is complete.
7. Accepted applicants are required to make a deposit within thirty days of acceptance. Students requesting on campus housing are required to submit an additional deposit to reserve space in the residential complex.

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# WATER TREATMENT TECHNOLOGY

2018-2019 Curriculum

## Associate in Applied Science Degree Program

<u>First Semester</u>	C	L	CR
◆ WTT 103 Intro to Water Treatment Tech	3	0	3
◆ WTT 111 Water Treatment I	2	2	3
◆ WTT 113 Water Plant Operation	3	0	3
DRR 117 Blueprint Read for Const Trades	2	2	3
ENG 111 English Composition	3	0	3
	13	4	15

### Second Semester

◆ WTT 211 Water Treatment II	3	2	4
◆ WTT 201 Water Distribution Systems	2	2	3
◆ WTT 120 Treatment Plant Safety	3	0	3
MAT 119 Applied Mathematics	4	0	4
CHM 201 Applied Sciences	2	2	3
	14	6	17

### Third Semester

◆ WTT 205 Wastewater Collection Systems	3	2	4
◆ WTT 121 Wastewater Treatment I	2	2	3
◆ ELS 119 Intro to Electronic Systems	1	2	2
PHY 150 Physics	3	2	4
Social Science Elective	3	0	3
	12	8	16

### Fourth Semester

◆ WTT 221 Wastewater Treatment II	3	2	4
◆ WTT 124 Wastewater Plant Operation	3	0	3
◆ INS 110 Instrumentation & Process Controls	2	2	3
COM 221 Technical Communications	3	0	3
Humanities Elective	3	0	3
	14	4	16

**TOTAL REQUIRED** 64

◆ Major courses; a minimum grade of "C" or 2.0 required.

## DRINKING WATER Certificate Program

<u>First Semester</u>	C	L	CR
◆ WTT 103 Intro to Water Treatment Tech	3	0	3
◆ WTT 111 Water Treatment I	2	2	3
◆ WTT 113 Water Plant Operation	3	0	3
DRR 117 Blueprint Read for Const Trades	2	2	3
ENG 111 English Composition	3	0	3
	13	4	15

### Second Semester

◆ WTT 211 Water Treatment II	3	2	4
◆ WTT 201 Water Distribution Systems	2	2	3
◆ WTT 120 Treatment Plant Safety	3	0	3
MAT 119 Applied Mathematics	4	0	4
	12	4	14

**TOTAL REQUIRED** 29

## WASTEWATER Certificate Program

<u>First Semester</u>	C	L	CR
◆ WTT 103 Intro to Water Treatment Tech	3	0	3
◆ WTT 205 Wastewater Collection Systems	2	2	3
◆ WTT 121 Wastewater Treatment I	2	2	3
◆ ELS 119 Intro to Electronic Systems	1	2	2
ENG 111 English Composition	3	0	3
	11	6	14

### Second Semester

◆ WTT 221 Wastewater Treatment II	3	2	4
◆ WTT 124 Wastewater Plant Operation	3	0	3
◆ WTT 120 Treatment Plant Safety	3	0	3
◆ INS 110 Instrumentation & Process Controls	1	0	3
MAT 119 Applied Mathematics	4	0	4
	10	14	17

**TOTAL REQUIRED** 31

NMCC is an equal opportunity/affirmative action institution and employer.  
For more information, please call 768-2791.

**207-768-2785**

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