



# 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 operations.

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

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### APPLICATION PROCEDURE

The following procedures constitute the admissions process:

1. Submit an NMCC application along with a \$20 application fee.
2. Submit official high school transcript and/or HiSET/GED scores (current senior's transcript should include completed ranking period grades).
3. Official college transcripts for applicants who have attended other post-secondary schools.
4. If SAT scores are not available, placement testing will be required.
5. Individual interview required.  
A campus tour is highly recommended.

**Questions contact:**  
[admissions@nmcc.edu](mailto:admissions@nmcc.edu)

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# WATER TREATMENT TECHNOLOGY

2019-2020 Curriculum

## Associate in Applied Science Degree Program

<u>First Semester</u>		C	L	CR
DRR 117	Blueprint Read for Const Trades	2	2	3
ENG 111	English Composition	3	0	3
♦ 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
		13	4	15

### Second Semester

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

### Third Semester

♦ ELS 119	Intro to Electronic Systems	1	2	2
PHY 150	Physics	3	2	4
♦ WTT 205	Wastewater Collection Systems	2	2	3
♦ WTT 121	Wastewater Treatment I	2	2	3
	Social Science Elective	3	0	3
		11	8	15

### Fourth Semester

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

**TOTAL REQUIRED** 63

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

## Drinking Water Certificate Program

<u>First Semester</u>		C	L	CR
DRR 117	Blueprint Read for Const Trades	2	2	3
ENG 111	English Composition	3	0	3
♦ 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
		13	4	15

### Second Semester

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

**TOTAL REQUIRED** 29

## WASTEWATER Certificate Program

<u>First Semester</u>		C	L	CR
♦ ELS 119	Intro to Electronic Systems	1	2	2
ENG 111	English Composition	3	0	3
♦ 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
		11	6	14

### Second Semester

♦ INS 110	Instrumentation & Process Controls	2	2	3
MAT 119	Applied Mathematics	4	0	4
♦ WTT 221	Wastewater Treatment II	3	2	4
♦ WTT 124	Wastewater Plant Operation	3	0	3
♦ WTT 120	Treatment Plant Safety	3	0	3
		15	4	17

**TOTAL REQUIRED** 31

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

Key: C= Class Hours, L= Lab Hours, CR= Credit Hours

**207-768-2785**

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