



# 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 may be required.
5. Individual interview required.
6. A campus tour is highly recommended.

**Question? Contact [admissions@nmcc.edu](mailto:admissions@nmcc.edu)**

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# WATER TREATMENT TECHNOLOGY

2020-2021 Curriculum

## Associate in Applied Science Degree Program

<u>First Semester</u>	<u>C</u>	<u>L</u>	<u>CR</u>
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
	<u>13</u>	<u>4</u>	<u>15</u>

### 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
	<u>14</u>	<u>6</u>	<u>17</u>

### 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
	<u>11</u>	<u>8</u>	<u>15</u>

### 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
	<u>14</u>	<u>4</u>	<u>16</u>

**TOTAL REQUIRED** **63**

## Drinking Water Certificate Program

<u>First Semester</u>	<u>C</u>	<u>L</u>	<u>CR</u>
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
	<u>13</u>	<u>4</u>	<u>15</u>

### 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
	<u>12</u>	<u>4</u>	<u>14</u>

**TOTAL REQUIRED** **29**

## WASTEWATER Certificate Program

<u>First Semester</u>	<u>C</u>	<u>L</u>	<u>CR</u>
◆ 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
	<u>11</u>	<u>6</u>	<u>14</u>

### 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
	<u>15</u>	<u>4</u>	<u>17</u>

**TOTAL REQUIRED** **31**

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

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

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

**207-768-2785**

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