NORTHERN MAINE COMMUNITY COLLEGE

WATER TREATMENT TECHNOLOGY

PROGRAM PURPOSE

The water treatment technology program will provide students with 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.

During the admissions process, students' information related to previous college courses and work-related experience will be evaluated for prior learning credit. Such evaluation may reduce the time for degree completion. The need for trained water treatment technicians is growing across Maine and the United States.

To help address this shortage, Southern Maine Community College (SMCC) is partnering with Northern Maine Community College (NMCC) to offer both certificate and associate degree programs in water treatment technology at the South Portland campus. While state-of-the-art technology will allow students to access lectures from anywhere, hands-on laboratory exercises, conducted under the guidance of qualified faculty members, will take place on the South Portland campus.

CAREER OPPORTUNITIES

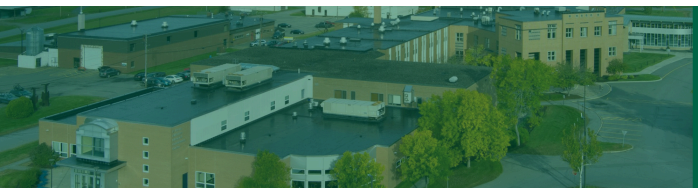
Graduates of this program can find job opportunities as:

- Water Treatment Plant Operator
- Environmental Consultant
- Water Quality Specialist
- Wastewater Treatment Technician
- Regulatory Compliance Officer
- Field Service Technician
- Water Resources Manager

APPLICATION PROCEDURE

The following procedures constitute the admissions process:

1. Submit an NMCC application.
2. Submit official high school transcript and/or HiSET/GED scores (current senior's 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. Meet with an Admissions Counselor.
6. A campus tour is highly recommended.



GET IN TOUCH

207-768-2785 | www.nmcc.edu | nmccadmissions@mainecc.edu | 33 Edgemont Drive Presque Isle, ME 04769

WATER TREATMENT TECHNOLOGY
2025-2026
Associate in Applied Science Degree Program

First Semester			C	L	CR
	DRR 117	Blueprint Reading for Construction Trades	2	2	3
	ENG 111	English Composition	3	0	3
>	**WTT 103**	**Introduction to Water Treatment Technology**	**3**	**0**	**3**
>	**WTT 111**	**Water Treatment I**	**2**	**2**	**3**
>	**WTT 113**	**Water Plant Operation**	**3**	**0**	**3**
			13	**4**	**15**

Second Semester			C	L	CR
>	**CHM 201**	**Applied Sciences**	**2**	**2**	**3**
	MAT 122	Technical Mathematics	2	2	3
>	**WTT 120**	**Treatment Plant Safety**	**3**	**0**	**3**
>	**WTT 202**	**Water Distribution Systems**	**3**	**0**	**3**
>	**WTT 211**	**Water Treatment II**	**3**	**2**	**4**
			13	**6**	**16**

Third Semester			C	L	CR
	BIO 115	General Biology	3	2	4
>	**ELS 119**	**Introduction to Electronic Systems**	**1**	**2**	**2**
>	**WTT 121**	**Wastewater Treatment I**	**2**	**2**	**3**
>	**WTT 206**	**Wastewater Collection Systems**	**3**	**0**	**3**
		Social Sciences Elective	3	0	3
			12	**6**	**15**

Fourth Semester			C	L	CR
	COM 221	Technical Communications	3	0	3
>	**INS 110**	**Instrumentation & Process Controls**	**2**	**2**	**3**
>	**WTT 124**	**Wastewater Plant Operation**	**3**	**0**	**3**
>	**WTT 221**	**Wastwater Treatment II**	**3**	**2**	**4**
		Humanities Elective	3	0	3
			14	**4**	**16**

Total Required **62**

> ***Major courses; a minimum grade of "C" or 2.0 is required***

Key: C=Class hours; L=Laboratory; CR=Credit hours

DRINKING WATER
2025-2026
Certificate Program

First Semester			C	L	CR
	DRR 117	Blueprint Reading for Construction Trades	2	2	3
>	ENG 111	English Composition	3	0	3
>	**WTT 103**	**Introduction to Water Treatment Technology**	**3**	**0**	**3**
>	**WTT 111**	**Water Treatment I**	**2**	**2**	**3**
	WTT 113	**Water Plant Operation**	**3**	**0**	**3**
			13	**4**	**15**

Second Semester			C	L	CR
	MAT 122	Technical Mathematics	2	2	3
>	**WTT 120**	**Treatment Plant Safety**	**3**	**0**	**3**
>	**WTT 202**	**Water Distribution Systems**	**3**	**0**	**3**
>	**WTT 211**	**Water Treatment II**	**3**	**2**	**4**
			11	**4**	**13**

Total Required **28**

Wastewater
2025-2026
Certificate Program

First Semester			C	L	CR
>	**ELS 119**	**Introduction to Electronic Systems**	**1**	**2**	**2**
	ENG 111	English Composition	3	0	3
>	**WTT 103**	**Introduction to Water Treatment Technology**	**3**	**0**	**3**
>	**WTT 121**	**Wastewater Treatment I**	**2**	**2**	**3**
>	**WTT 206**	**Wastewater Collection Systems**	**3**	**0**	**3**
			12	**4**	**14**

Second Semester			C	L	CR
>	**INS 110**	**Instrumentation & Process Controls**	**2**	**2**	**3**
	MAT 122	Technical Mathematics	2	2	3
>	**WTT 120**	**Treatment Plant Safety**	**3**	**0**	**3**
>	**WTT 124**	**Wastewater Plant Operation**	**3**	**0**	**3**
>	**WTT 221**	**Wastwater Treatment II**	**3**	**2**	**4**
			13	**6**	**16**

Total Required **30**