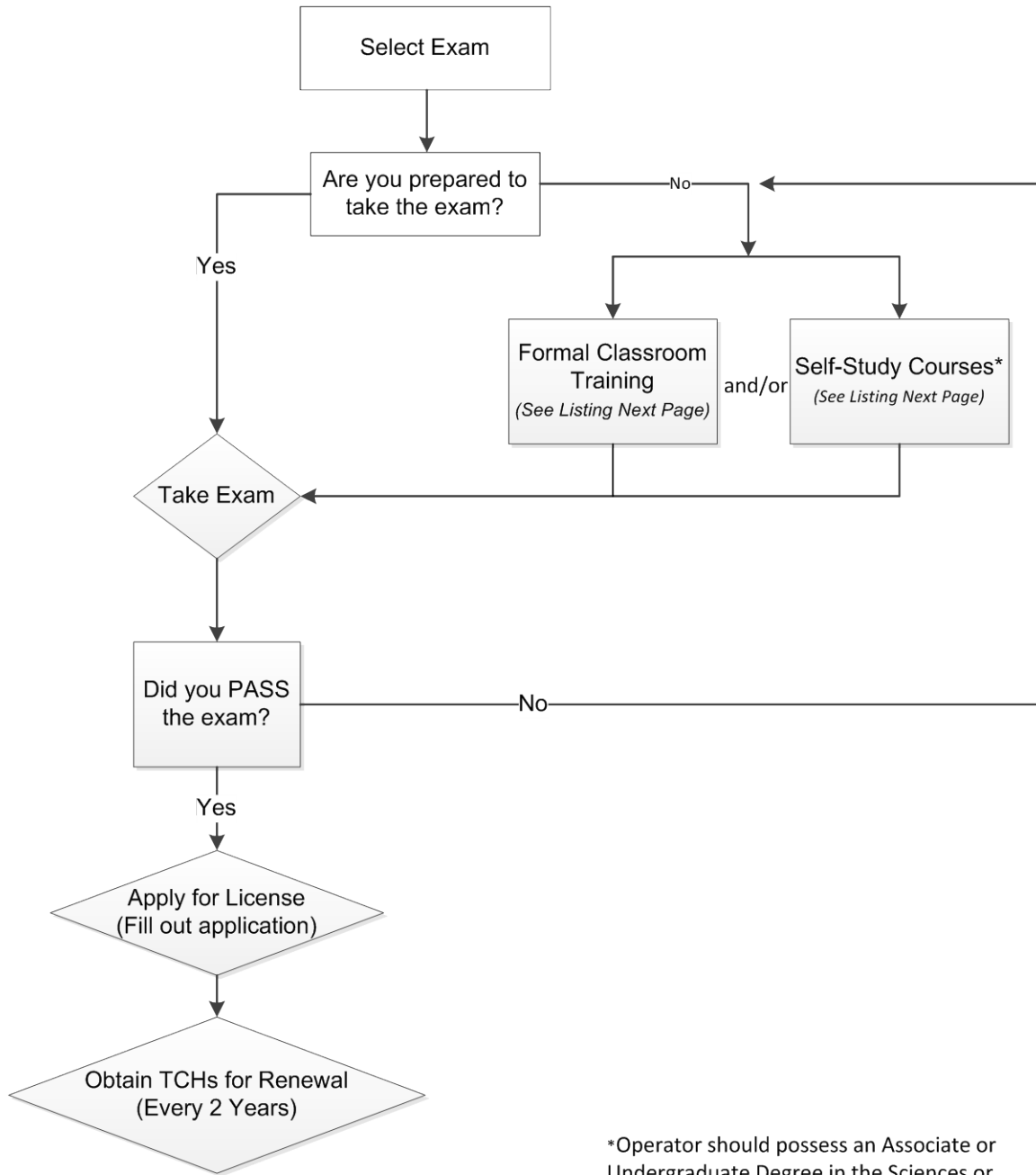


Recommended Preparation for a WWTP Operator's License Examination



*Operator should possess an Associate or Undergraduate Degree in the Sciences or Engineering for the Self-Study Path



RECOMMENDED COURSES

NEIW PCC Massachusetts Wastewater Operator Training (MWOT) Program

The Board of Wastewater Operator Certification provides training courses to assist operators in preparing for all Grades of municipal, industrial, and combined exams. For Spring 2021, this MWOT Program will be offered virtually through NEIW PCC. We hope to return to in-person training once it is safe to do so. You can view/register for the courses via the following links: <https://portal.neiwpc.org/training-calendar.asp> or [MWOT Catalog](#).

There are also many additional exam preparation opportunities, including other online training providers, correspondence courses, study guides, vendor training, YouTube videos, and asking questions of experienced operators at either your facility or through MAWEA. It may take a combination of training approaches to prepare for a wastewater certification exam. If you know of additional training opportunities that can supplement the courses listed below, please contact John Murphy of MassDEP (john.j.murphy@mass.gov, 617-352-3375).

The following tables offer a guide to selecting NEIW PCC courses for each of the Massachusetts operator exams. Operators are also encouraged to take any other classes on our training calendar to brush up on those topics.

MUNICIPAL GRADES 1 - 4

Class name	Grade of Exam				NEIW PCC Spring 2021		TCHs
	1	2	3	4	Date	Time	
Centrifugal Pumps 101	x	x	x	x	03/10/21	10:00 AM - 12:00 PM	2
Centrifugal Pumps 201			x	x	03/17/21	10:00 AM - 12:00 PM	2
Collection Systems 101	x	x	x	x	03/24/21	10:00 AM - 12:00 PM	2
Collection Systems 201			x	x	03/31/21	10:00 AM - 12:00 PM	2
Introduction to Municipal Wastewater Treatment	x	x	x	x	04/06/21	9:00 AM - 12:00 PM	3
Introduction to Industrial Wastewater Treatment	x	x	x	x	04/07/21	9:00 AM - 12:00 PM	3
Water Quality and Effluent Limitations for Wastewater Treatment NPDES Permitting			x	x	04/08/21	8:30 AM - 11:30 AM	3
Massachusetts Wastewater Regulations & Certification Overview	x	x	x	x	04/13/21	10:00 AM - 12:00 PM	2
Basic Wastewater Math (Session 1)	x	x			04/14/21	9:00 AM - 12:00 PM	3
Sampling Techniques and Chain of Custody for a WWTF			x	x	04/15/21	8:30 AM - 11:30 AM	3
Basic Municipal Wastewater - Preliminary & Primary Treatment	x	x	x	x	04/20/21	9:00 AM - 12:00 PM	3
Basic Wastewater Math (Session 2)	x	x			04/21/21	9:00 AM - 12:00 PM	3
Laboratory Analyses - pH and Total Residual Chlorine			x	x	04/22/21	8:30 AM - 11:30 AM	3
Basic Wastewater - Activated Sludge Processes	x	x	x	x	04/27/21	9:00 AM - 12:00 PM	3
Laboratory Analyses - BOD and Dissolved Oxygen			x	x	04/29/21	8:30 AM - 11:30 AM	3
Intermediate Wastewater Math (Session 1)			x	x	05/03/21	10:00 AM - 12:00 PM	2
Introduction to Microbiology	x	x	x	x	05/04/21	9:00 AM - 12:00 PM	3
Laboratory Analyses - Solids			x	x	05/06/21	8:30 AM - 11:30 AM	3
Intermediate Wastewater Math (Session 2)			x	x	05/10/21	10:00 AM - 12:00 PM	2
Basic Municipal Wastewater - Disinfection	x	x	x	x	05/11/21	9:00 AM - 12:00 PM	3
Laboratory Analyses - Bacteria			x	x	05/13/21	8:30 AM - 11:30 AM	3
Basic Municipal Wastewater - Solids Handling	x	x	x	x	05/18/21	9:00 AM - 12:00 PM	3
Basic Wastewater Safety	x	x	x	x	05/20/21	10:00 AM - 12:00 PM	2
Introduction to Wastewater Laboratory	x	x	x	x	05/25/21	9:00 AM - 12:00 PM	3



RECOMMENDED COURSES

NEIW PCC Massachusetts Wastewater Operator Training (MWOT) Program

INDUSTRIAL GRADES 1 – 4

Class name	Industrial Exams				NEIW PCC Spring 2021		TCHs
	1	2	3	4	Date	Time	
Advanced Industrial Wastewater - Treatment Processes			x	x	02/17/21	9:00 AM - 12:00 PM	3
Advanced Pumps and Hydraulics			x	x	02/18/21	9:00 AM - 12:00 PM	3
Advanced Industrial Wastewater - Metals Treatment Processes			x	x	02/24/21	9:00 AM - 12:00 PM	3
Electricity, Motors, & Horsepower			x	x	02/25/21	10:00 AM - 12:00 PM	2
Advanced Wastewater Safety			x	x	03/03/21	9:00 AM - 12:00 PM	3
Centrifugal Pumps 101	x	x	x	x	03/10/21	10:00 AM - 12:00 PM	2
Introduction to Industrial Wastewater Treatment	x	x			04/07/21	9:00 AM - 12:00 PM	3
Massachusetts Wastewater Regulations & Certification Overview	x	x	x	x	04/13/21	10:00 AM - 12:00 PM	2
Basic Wastewater Math (Session 1)	x	x			04/14/21	9:00 AM - 12:00 PM	3
Sampling Techniques and Chain of Custody for a WWTF			x	x	04/15/21	8:30 AM - 11:30 AM	3
Basic Wastewater Math (Session 2)	x	x			04/21/21	9:00 AM - 12:00 PM	3
Basic Industrial Wastewater - Characteristics and Chemistry	x	x			04/28/21	9:00 AM - 12:00 PM	3
Intermediate Wastewater Math (Session 1)			x	x	05/03/21	10:00 AM - 12:00 PM	2
Basic Industrial Wastewater - Physical Chemical Treatment	x	x			05/05/21	9:00 AM - 12:00 PM	3
Intermediate Wastewater Math (Session 2)			x	x	05/10/21	10:00 AM - 12:00 PM	2
Basic Industrial Wastewater - Solids Handling and Filtration	x	x			05/12/21	9:00 AM - 12:00 PM	3
Basic Wastewater Safety	x	x			05/20/21	10:00 AM - 12:00 PM	2
Introduction to Wastewater Laboratory	x	x			05/25/21	9:00 AM - 12:00 PM	3



RECOMMENDED COURSES

NEIW PCC Massachusetts Wastewater Operator Training (MWOT) Program

COMBINED GRADES 5 & 6

Class name	Spring 2021		TCHs
	Date	Time	
Massachusetts Wastewater Regulations and Certification Overview	02/09/21	10:00 AM - 12:00 PM	2
Advanced Wastewater Sampling, Laboratory, & Microbiology	02/11/21	8:30 AM - 11:30 AM	3
Advanced Municipal Wastewater - Treatment Technologies	02/16/21	9:00 AM - 12:00 PM	3
Advanced Pumps and Hydraulics	02/18/21	9:00 AM - 12:00 PM	3
Advanced Municipal Wastewater - Activated Sludge	02/23/21	9:00 AM - 12:00 PM	3
Electricity, Motors, & Horsepower	02/25/21	10:00 AM - 12:00 PM	2
Advanced Municipal Wastewater - Biological Nutrient Removal	03/02/21	9:00 AM - 12:00 PM	3
Advanced Wastewater Safety	03/03/21	9:00 AM - 12:00 PM	3
Advanced Municipal Wastewater - Solids Handling	03/09/21	9:00 AM - 12:00 PM	3
Advanced Municipal Wastewater - Process Control & Troubleshooting	03/16/21	9:00 AM - 12:00 PM	3
Advanced Municipal Wastewater - Administration, Management, & Finance	03/23/21	9:00 AM - 12:00 PM	3
Collection Systems 101	03/24/21	10:00 AM - 12:00 PM	2
Collection Systems 201	03/31/21	10:00 AM - 12:00 PM	2
Sampling Techniques and Chain of Custody for a Wastewater Treatment Facility	04/15/21	8:30 AM - 11:30 AM	3
Laboratory Analyses - pH and Total Residual Chlorine	04/22/21	8:30 AM - 11:30 AM	3
Basic Industrial Wastewater - Characteristics and Chemistry	04/28/21	9:00 AM - 12:00 PM	3
Laboratory Analyses - Biochemical Oxygen Demand and Dissolved Oxygen	04/29/21	8:30 AM - 11:30 AM	3
Intermediate Wastewater Math (Session 1)	05/03/21	10:00 AM - 12:00 PM	2
Basic Industrial Wastewater - Physical Chemical Treatment	05/05/21	9:00 AM - 12:00 PM	3
Laboratory Analyses - Solids	05/06/21	8:30 AM - 11:30 AM	3
Intermediate Wastewater Math (Session 2)	05/10/21	10:00 AM - 12:00 PM	2
Laboratory Analyses - Bacteria	05/13/21	8:30 AM - 11:30 AM	3

ADDITIONAL TRAINING OPPORTUNITES

Please note that this is not a comprehensive list of available wastewater operator training. There are many other training providers and opportunities available.

SELF-STUDY COURSES

- Sacramento State – Water Programs: <https://www.owp.csus.edu/courses/wastewater.php>
- Water Environment Federation (Wastewater Treatment Fundamentals):
<https://www.wef.org/resources/publications/books/>
- CEUPlan.com
- RoyCEU.com
- SkillWorks.com



RECOMMENDED COURSES

NEIW PCC Massachusetts Wastewater Operator Training (MWOT) Program

FREE COURSES OFFERED BY BRISTOL COMMUNITY COLLEGE

Through a grant from the DESE Integrated Education & Training Program, BCC is able to offer the following water and wastewater courses at no charge for attending (students will still have to purchase course textbooks):

<u>Course #</u>	<u>Section</u>	<u>Course Title</u>	<u>Credits</u>
13806	EGR 143.GRA	Conceptual Math for Environmental Technicians	3
13914	EGR 145.STM	Computerized Systems in the Water Industry	3
13807	EGR 241.GRA	Clean Water Technology 1 (Wastewater Treatment)	4
13913	EGR 242.STM	Clean Water Technology 2 (Wastewater Treatment)	4
13915	EGR 248.STM	Advanced Water Treatment (Drinking Water)	4

View and register for these courses at: [Course Search - Bristol Community College \(bristolcc.edu\)](http://bristolcc.edu/course-search)
Questions? Contact Robert Rak at Robert.Rak@bristolcc.edu.

OTHER TRAINING PROVIDERS IN NEW ENGLAND

- Falcone Environmental Services
- NEWWTA
- Peterson School
- Practical Applications
- Tighe & Bond
- Wastewater Technology Trainers
- Local colleges, universities, and community colleges