Our Mission

Central Carolina Technical College and the South Carolina Environmental Training Center are dedicated to providing quality training and technical assistance to environmental professionals across the state. We deliver training on campus, online, and onsite to meet the needs of operators and their facilities. Our programs are developed to provide operators with access to the latest technologies and educational services in the water and wastewater industry. Our staff works with utilities, municipalities, and industry to explore, develop, and deliver training that prepares operators for state certification examinations, opportunities to maintain continuing education requirements, and programs to enhance the skills of operators.

Table of Contents

| Registration Form | 3 |
| Online Courses   | 4 |
| Water and Wastewater Operator Certificate | 5 |
| Short School Schedule | 6-7 |
| Course Descriptions | 8-9 |
| Environmental Certification Board (LLR) | 10 |

Course Schedule Information

- Water & Wastewater: 4, 6-7
- Math: 4, 8
- Maintenance: 8
- Safety: 8-9
- Well Driller: 9

Contact Information

Central Carolina Technical College, SCETC
506 North Guignard Drive
Sumter, South Carolina 29150-2468
Phone: 803.778.6656
Fax: 803.778.7879
Email: etc@cctech.edu
Website: www.cctech.edu

SCETC is located on North Guignard Drive (Sumter, SC), directly across from the Central Carolina Technical College Main Campus in Building M600.
Central Carolina Technical College and
South Carolina Environmental Training Center

Registration Form

Mail: Central Carolina Technical College
SC Environmental Training Center
506 N. Guignard Drive - Sumter, SC 29150
Phone: 803-778-6656  Fax: 803-778-7879  Email: etc@cctech.edu

Name_____________________________________________________
Course Name_________________________________________________
Course Date__________________________________________________
Course Cost_____________________________ Online: [  ] YES [  ] NO
Short School Level (Circle One)       A        B        C        D        E
(Water & Wastewater Operators Only)
Date of Birth _________________ Last 4 digits of Social Security ______________
(required)              (requested)
Sex: [  ] M  [  ] F     US Citizen: [  ] YES [  ] NO
Ethnicity: [  ] African American  [  ] American Indian  [  ] Asian  [  ] Hispanic  [  ] White
Work Phone___________________  Cell Phone________________________
I authorize CCTC to text me about any registration, billing, or scheduling issues. [  ] Yes [  ] No
Service provider name _______________________ Text message rates may apply.
Mailing Address_______________________________________________
City___________________________  County_______________________
State_____________________________  Zip______________________
Company Name_______________________________________________
Email Address________________________________________________

Payment Information:
[   ] Check (Payable To: Central Carolina Technical College)
[   ] Credit Card     (Circle One)  VISA      MC      AE
I, _________________________________ hereby authorize CCTC to charge the
credit card listed below according to the terms outlined above. This payment authorization is
for the training/services described above, for the amount indicated above only, and is valid for
one time use only. I certify that I am an authorized user of this credit card and that I will not
dispute the payment with the credit card company; so long as the transaction corresponds to
the terms indicated in this form.

Refunds:
A full refund will be issued for all courses, seminars, and workshops canceled by Central
Carolina Technical College. Registrations canceled before the cutoff date, ten (10) working days before the
scheduled training, will be assessed a 20% administrative fee. There will be no refund for a cancellation less
than ten (10) working days prior to the start date. Refunds may be requested by mail, email, in person, or by
telephone. These requests are the responsibility of the registrant.

Confirmation or receipt available upon request.
Call 803-778-6656 or email etc@cctech.edu

4 easy ways to register:
1. MAIL the completed registration form to:
   Central Carolina Technical College, SCETC
   506 N. Guignard Dr. Sumter, SC 29150
   Please include credit card information or a check payable to
   Central Carolina Technical College.

2. FAX your registration form, with the credit card portion of the
   registration form completed, to SCETC: 803-778-7879

3. HAND DELIVER your registration form to a staff member at:
   SCETC in Building M600 at Central Carolina Technical College in Sumter

4. EMAIL your registration form to etc@cctech.edu.
   Print a registration form at: http://www.cctech.edu

Confirmation or receipt available upon request.
Call 803-778-6656 or email etc@cctech.edu

Enrollment Information - Course registrations are taken on a “first-
come, first-served” basis. Class sizes are limited, and it is recommended
that students register at least one month in advance. Courses with low
enrollment are subject to cancellation prior to class start date. In the event
of cancellation, students will be notified and the tuition refunded.

• Payment must accompany registration.

• When using a credit card for payment, registration forms may be faxed
  or emailed; please include card expiration date and security code. If
  card is declined, alternate form of payment is necessary; STUDENT IS NOT
  REGISTERED UNTIL PAYMENT IS RECEIVED.

• Registration form MUST include student’s date of birth.

• Certificates will be given for each course; duplicates may be purchased for
  $10 each.

It is the policy of the Central Carolina Technical College not to sell or
otherwise distribute course materials outside the venue of controlled
courses. Materials are copyrighted and all rights are reserved.
Online Water & Wastewater COURSES

Short Schools:
Advanced and Basic Short Schools
• P/C Wastewater 28 hours - $450
• Biological Wastewater 28 hours - $450
• Water Treatment 28 hours - $450
• Water Distribution 21 hours - $375 (Basic), $325 (Advanced)

Online training is designed to mirror the face-to-face short schools, and provide students with the tools necessary to enhance operating skills and prepare for the state certification exam. Glossary, crossword puzzles, slide presentations, and quizzes will enhance the learning experience. Students will have direct communication with a personal instructor to help answer questions. Short Schools are intensive training sessions designed as a comprehensive overview for operators of water and wastewater treatment facilities who are preparing for the state certification exam. ABC Need-to-Know criteria for operators are used as the topical outline for each Short School, and the Sacramento Manual is used as the reference text. Tuition includes manual. Course must be completed to earn CEUs – partial credit is not awarded. Students are allowed up to 12 weeks to complete the course (10 weeks for Water Distribution).

12-Hour Reviews
• P/C Wastewater
• Biological Wastewater
• Water Treatment
• Water Distribution

Work at your own pace while sharpening your operating skills. These courses include glossaries, videos, visual aids, and practice quizzes. Students will have direct communication with a personal instructor to help answer questions. Review courses are intended for water and wastewater operators desiring to earn 12 hours of continuing education credit to maintain their water and/or wastewater operator certification and who are not preparing for the state certification exam. Course must be completed to earn CEUs – partial credit is not awarded. Students are allowed up to 4 weeks to complete the course. Course fee is $250.

6-Hour Reviews
• 6-hour Wastewater Review
• 6-hour Water Review

These courses are designed to supplement the continuing education requirements for water / wastewater operators and increase the basic skills that will assist operators in their daily activities at treatment facilities. The courses include: dealing with support systems, unit process control and other core competency material. Students will have direct communication with a personal instructor to help answer questions. Course must be completed to earn CEUs – partial credit is not awarded. The Wastewater Review course meets ABC’s continuing education requirements for approved course topic criteria for biological and PC. The Water Review course meets ABC’s continuing education requirements for approved course topic criteria for water treatment and water distribution. Students are allowed up to 2 weeks to complete the course. Course fee is $175.

Basic Math for Operators: 12-hour Review
This introductory math course is beneficial for water and wastewater operators who are preparing for a basic level state certification exam or for operators who desire a refresher course in mathematics. The course involves practicing basic math calculations that apply to treatment facilities. Course topics include addition, subtraction, multiplication, division, fractions, decimal equivalents, conversions, formulas, units of measure, word problems, and calculating dosages. This course meets ABC’s continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, PC, and well driller. Course must be completed to earn CEUs – partial credit is not awarded. Students are allowed up to 4 weeks to complete the course. Course fee is $350.

Advanced Math for Operators: 12-hour Review
This advanced math course is beneficial for water and wastewater operators who are preparing for an advanced level state certification exam or for operators who desire a refresher course in mathematics. The course involves learning advanced math calculations that apply to treatment facilities. Course topics include a general math review and problems related to coagulation, chemical feeders, clarification, chlorination, fluoride, filtration, hydraulics, motors, pumps, and flow rates. This course meets ABC’s continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, PC, and well driller. Course must be completed to earn CEUs – partial credit is not awarded. Students are allowed up to 4 weeks to complete the course. Course fee is $350.

Pool & Spa - CPO Operator: 10-hours
This course is designed for persons responsible for operating or managing swimming pools and spas. Topics include: South Carolina Rules and Regulations, legal requirements, water requirements, water chemistry, filtration and circulation, disinfection techniques, water testing, troubleshooting, problem prevention, and safety. Students will have direct communication with a personal instructor to help answer questions. Tuition includes the Certified Pool-Spa Operator Handbook from the National Swimming Pool Foundation. Course must be completed to earn CEUs – partial credit is not awarded. Students are allowed up to 4 weeks to complete the course. Course fee is $250.
Earn One Year of Work Experience
Toward your Operator License

**Water & Wastewater Operator Certificate**

Central Carolina Technical College offers an ONLINE Water and a Wastewater Operator Certificate program to help operators gain a better understanding of water or wastewater treatment operations and to provide an opportunity for employees to receive a higher level of certification more quickly. These Certificates provide students with work-ready skills and as an avenue for on-going specialized training with access to the latest technologies and educational services in the water and wastewater fields. Training includes an overview of state and federal regulations, industrial safety, emergency response, hazardous waste and treatment issues with an emphasis on operations.

- All of the courses are offered ONLINE.
- Financial aid is available to eligible students.
- Certificate can be completed in one year.
- **The SC Environmental Certification Board (LLR) has approved the Certificates to count as one year of work experience toward a higher certification level (after trainee year).**
- All of the courses are transferable into the Environmental Engineering Technology Associate Degree program at Central Carolina Technical College.

If you have any questions; please call or email:
Josh Castleberry at 803-778-6601 or castleberryjs@cctech.edu

**Fall Courses:**
EVT 206 - Introduction to Environmental Compliance and
EVT 254 - Industrial Safety & Emergency Response

**Spring Courses:**
EVT 255 – Solid & Hazardous Waste and
EVT 102 - Basic Water Treatment (Water Certificate) or
EVT 108 - Basic Physical/Chemical Wastewater (Wastewater Certificate)

**Summer Courses:**
EVT 110 - Introduction to Treatment Facilities and
EVT 103 - Basic Water Distribution (Water Certificate) or
EVT 109 - Basic Biological Wastewater (Wastewater Certificate)
Short School Description
Short Schools are intensive training sessions designed as a comprehensive overview for operators of water and wastewater treatment facilities who are preparing for the state certification exam. ABC Need-to-Know criteria for operators are used as the topical outline for each Short School, and Sacramento Manuals are used as reference texts. Handouts, videos, demonstrations and practice tests are utilized in the training program.

Book Requirements for Short Schools
Sacramento Manuals are reference texts for all Short Schools, as well as one reference for the South Carolina state certification exams. Manuals are included in the tuition for “D” level Physical/Chemical Wastewater, Biological Wastewater, Water Distribution and the “E” level Water Treatment courses. Manuals are also provided for the “B” level Physical/Chemical Wastewater, Biological Wastewater, and Water Treatment courses. Students are asked to bring the manuals for all other level courses. Additional manuals are available for purchase through the SCETC. Call (803) 778-6656. Please bring a calculator to class.

Review Course Description
Review courses are intended for water and wastewater operators desiring to earn continuing education credit to maintain their operator certification and who are not preparing for the state certification exam. Please bring a calculator to class.

Online Course Description
Online training is designed to mirror face-to-face courses and provide participants with the tools necessary to enhance operating skills and prepare for the certification exam (Short Schools) or gain continuing education credit (Reviews). Glossaries, crossword puzzles, slide presentations, and quizzes enhance the learning experience. Students will have direct communication with their personal instructor to help answer questions. All levels of Short Schools and Reviews are available for online training. See page 4 for additional information.

Water/Wastewater
2018 Course Schedule

Biological Wastewater Treatment Short Schools

<table>
<thead>
<tr>
<th>Price</th>
<th>Days</th>
<th>Start Date</th>
<th>Time</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>Feb. 5-8, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>Feb. 5-8, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>June 4-7, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>June 4-7, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>June 18-21, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>June 18-21, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>Oct. 1-4, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>Oct. 1-4, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>Oct. 15-18, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>Oct. 15-18, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
</tbody>
</table>

Biological Wastewater Reviews

<table>
<thead>
<tr>
<th>Price</th>
<th>Days</th>
<th>Start Date</th>
<th>Time</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$250</td>
<td>TW</td>
<td>June 26-27, 2018</td>
<td>8:30-3:30</td>
<td>12 hrs.</td>
</tr>
<tr>
<td>$250</td>
<td>MT</td>
<td>Oct. 22-23, 2018</td>
<td>8:30-3:30</td>
<td>12 hrs.</td>
</tr>
</tbody>
</table>

Biological Wastewater Online Courses

Online courses are scheduled weekly; see page 4 for additional information.

<table>
<thead>
<tr>
<th>Price</th>
<th>Course</th>
<th>Start Date</th>
<th>Time</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$450</td>
<td>Basic Short School</td>
<td>Jan. 8-11, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>Basic Short School</td>
<td>Jan. 8-11, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>Advanced Short School</td>
<td>Jan. 22-25, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>Advanced Short School</td>
<td>Jan. 22-25, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>Review</td>
<td>May 7-10, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>Review</td>
<td>May 7-10, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>Review</td>
<td>May 21-24, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>Review</td>
<td>May 21-24, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>Review</td>
<td>Sept. 10-13, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>Review</td>
<td>Sept. 10-13, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>Review</td>
<td>Sept. 24-27, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>Review</td>
<td>Sept. 24-27, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
</tbody>
</table>

Physical/Chemical Wastewater Short Schools

<table>
<thead>
<tr>
<th>Price</th>
<th>Days</th>
<th>Start Date</th>
<th>Time</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>Jan. 8-11, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>Jan. 8-11, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>Jan. 22-25, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>Jan. 22-25, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>May 7-10, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>May 7-10, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>May 21-24, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>May 21-24, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>Sept. 10-13, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>Sept. 10-13, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>MTWR</td>
<td>Sept. 24-27, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$399</td>
<td>MTWR</td>
<td>Sept. 24-27, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
</tbody>
</table>

Physical/Chemical Wastewater Reviews

<table>
<thead>
<tr>
<th>Price</th>
<th>Days</th>
<th>Start Date</th>
<th>Time</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$250</td>
<td>WR</td>
<td>May 16-17, 2018</td>
<td>8:30-3:30</td>
<td>12 hrs.</td>
</tr>
<tr>
<td>$250</td>
<td>WR</td>
<td>Sept. 5-6, 2018</td>
<td>8:30-3:30</td>
<td>12 hrs.</td>
</tr>
</tbody>
</table>

Physical/Chemical Wastewater Online Courses

Online courses are scheduled weekly; see page 4 for additional information.

<table>
<thead>
<tr>
<th>Price</th>
<th>Course</th>
<th>Start Date</th>
<th>Time</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$450</td>
<td>Basic Short School</td>
<td>Jan. 8-11, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$450</td>
<td>Advanced Short School</td>
<td>Jan. 8-11, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$250</td>
<td>Review</td>
<td>May 7-10, 2018</td>
<td>8:30-4:30</td>
<td>28 hrs.</td>
</tr>
<tr>
<td>$175</td>
<td>6 hr Review for Wastewater Operators</td>
<td>May 7-10, 2018</td>
<td>8:30-4:30</td>
<td>6 hrs.</td>
</tr>
</tbody>
</table>
### Water Distribution Short Schools

<table>
<thead>
<tr>
<th>Price</th>
<th>Dates</th>
<th>Days</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$375</td>
<td>Apr. 9-11, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) D</td>
</tr>
<tr>
<td>$325</td>
<td>Apr. 9-11, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) C</td>
</tr>
<tr>
<td>$325</td>
<td>Apr. 23-25, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) B</td>
</tr>
<tr>
<td>$325</td>
<td>Apr. 23-25, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) A</td>
</tr>
<tr>
<td>$375</td>
<td>Aug. 6-8, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) D</td>
</tr>
<tr>
<td>$325</td>
<td>Aug. 6-8, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) C</td>
</tr>
<tr>
<td>$325</td>
<td>Oct. 8-10, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) B</td>
</tr>
<tr>
<td>$325</td>
<td>Oct. 8-10, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) A</td>
</tr>
<tr>
<td>$375</td>
<td>Dec. 3-5, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) D</td>
</tr>
<tr>
<td>$325</td>
<td>Dec. 3-5, 2018</td>
<td>MTW</td>
<td>8:30-4:30 (21 hrs.) C</td>
</tr>
</tbody>
</table>

### Water Distribution Reviews

<table>
<thead>
<tr>
<th>Price</th>
<th>Dates</th>
<th>Days</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$250</td>
<td>Nov. 27-28, 2018</td>
<td>TW</td>
<td>8:30-3:30 (12 hrs.)</td>
</tr>
</tbody>
</table>

### Water Distribution Online Courses

Online courses are scheduled weekly; see page 4 for additional information.

- $375 Basic Short School (21 hrs.)
- $325 Advanced Short School (21 hrs.)
- $250 Review (12 hrs.)
- $175 6 hr Review for Water Operators (6 hrs.)

### Water Treatment Short Schools

<table>
<thead>
<tr>
<th>Price</th>
<th>Dates</th>
<th>Days</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$450</td>
<td>Mar. 5-8, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) E</td>
</tr>
<tr>
<td>$399</td>
<td>Mar. 5-8, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) D</td>
</tr>
<tr>
<td>$399</td>
<td>Mar. 5-8, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) C</td>
</tr>
<tr>
<td>$450</td>
<td>Mar. 26-29, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) B</td>
</tr>
<tr>
<td>$399</td>
<td>Mar. 26-29, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) A</td>
</tr>
<tr>
<td>$450</td>
<td>July 16-19, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) E</td>
</tr>
<tr>
<td>$399</td>
<td>July 16-19, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) D</td>
</tr>
<tr>
<td>$399</td>
<td>July 16-19, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) C</td>
</tr>
<tr>
<td>$450</td>
<td>Sept. 17-20, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) B</td>
</tr>
<tr>
<td>$399</td>
<td>Sept. 17-20, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) A</td>
</tr>
<tr>
<td>$450</td>
<td>Nov. 5-8, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) E</td>
</tr>
<tr>
<td>$399</td>
<td>Nov. 5-8, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) D</td>
</tr>
<tr>
<td>$399</td>
<td>Nov. 5-8, 2018</td>
<td>MTWR</td>
<td>8:30-4:30 (28 hrs.) C</td>
</tr>
</tbody>
</table>

### Water Treatment Reviews

<table>
<thead>
<tr>
<th>Price</th>
<th>Dates</th>
<th>Days</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>$250</td>
<td>Nov. 12-13, 2018</td>
<td>MT</td>
<td>8:30-3:30 (12 hrs.)</td>
</tr>
</tbody>
</table>

### Water Treatment Online Courses

Online courses are scheduled weekly; see page 4 for additional information.

- $450 Basic Short School (28 hrs.)
- $450 Advanced Short School (28 hrs.)
- $250 Review (12 hrs.)
- $175 6 hr Review for Water Operators (6 hrs.)
Math Exam Prep
This course can be delivered at your facility. Call 803-778-6656 or email etc@cctech.edu for more information.

Math Prep for E, D, & C Level Exams

$60  F  Jan. 12, 2018  8:30-11:30  (3 hrs.)
$60  F  Feb. 9, 2018  8:30-11:30  (3 hrs.)
$60  F  March 9, 2018  8:30-11:30  (3 hrs.)
$60  Th.  April 12, 2018  8:30-11:30  (3 hrs.)
$60  F  May 11, 2018  8:30-11:30  (3 hrs.)
$60  F  June 8, 2018  8:30-11:30  (3 hrs.)
$60  F  July 20, 2018  8:30-11:30  (3 hrs.)
$60  Th.  Aug. 9, 2018  8:30-11:30  (3 hrs.)
$60  F  Sept. 14, 2018  8:30-11:30  (3 hrs.)
$60  F  Oct. 5, 2018  8:30-11:30  (3 hrs.)
$60  F  Nov. 9, 2018  8:30-11:30  (3 hrs.)
$60  Th.  Dec. 6, 2018  8:30-11:30  (3 hrs.)

This math course is beneficial for water and wastewater operators who are preparing for basic level (E, D, & C) state certification exam or for operators who desire a refresher course in mathematics. The course involves practicing basic math calculations that apply to treatment facilities. Course topics include addition, subtraction, multiplication, division, fractions, decimal equivalents, conversions, formulas, units of measure, word problems, and calculating dosages. This course meets ABC's continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, PC, and well driller. Call the SCETC at 803-778-6656 for more information or to schedule this course at your facility.

Math Prep for A & B Level Exams

$60  F  Jan. 26, 2018  8:30-11:30  (3 hrs.)
$60  F  Feb. 16, 2018  8:30-11:30  (3 hrs.)
$60  F  March 30, 2018  8:30-11:30  (3 hrs.)
$60  Th.  April 26, 2018  8:30-11:30  (3 hrs.)
$60  F  May 25, 2018  8:30-11:30  (3 hrs.)
$60  F  June 22, 2018  8:30-11:30  (3 hrs.)
$60  F  Sept. 21, 2018  8:30-11:30  (3 hrs.)
$60  F  Sept. 28, 2018  8:30-11:30  (3 hrs.)
$60  Th.  Oct. 11, 2018  8:30-11:30  (3 hrs.)
$60  F  Oct. 19, 2018  8:30-11:30  (3 hrs.)

This math course is beneficial for water and wastewater operators who are preparing for an advanced level (A & B) state certification exam or for operators who desire a refresher course in mathematics. The course involves learning advanced math calculations that apply to treatment facilities. Course topics include a general math review and problems related to coagulation, chemical feeders, clarification, chlorination, fluoride, filtration, hydraulics, motors, pumps, and flow rates. This course meets ABC's continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, PC, and well driller. Call the SCETC at 803-778-6656 for more information or to schedule this course at your facility.

Maintenance for Operators
These courses can be offered at your facility. Call 803-778-6656 or email etc@cctech.edu for more information.

Electrical Maintenance

$250  T  June 12, 2018  8:30-3:30  (6 hrs.)
$250  W  Nov. 14, 2018  8:30-3:30  (6 hrs.)

The course will cover the electrical fundamentals for wastewater operators. Topics may include; atomic theory & energy sources, electric circuit basics, electromagnetism, inductance, & capacitance, power systems, control system components, reading electrical diagrams, electrical measurements, normal operations and troubleshooting. This course meets ABC's continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, PC, and well driller.

Pump Maintenance

$250  W  June 13, 2018  8:30-3:30  (6 hrs.)

The course will cover an overview of pump theory, types, components, and repair. Other topics may include a review of selection & replacement of packing and mechanical seals, pump piping system, pump hydraulics, normal operating conditions, lineshaft turbine operating conditions, special pumping units, and abnormal operating conditions. This course meets ABC's continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, PC, and well driller.

Safety
These courses can be offered at your facility. Call 803-778-6656 or email etc@cctech.edu for more information.

8-Hr. HAZWOPER Refresher
$199  M  May 14, 2018  8:30-5:30  (8 hrs.)
$199  Th  Nov. 1, 2018  8:30-5:30  (8 hrs.)

This course provides an awareness level for employees who may witness or discover a hazardous waste release. This course covers the OSHA mandated 8 hours of annual refresher training for 24 hour and 40 hour HAZWOPER. Topics include: legal overview, properties and identification of hazardous materials, protective equipment, use of instrumentation, and incident planning. This course can also be delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.

24-Hr. HAZWOPER
$450  MTW  May 14-16, 2018  8:30-5:30  (24 hrs.)

This three-day course is designed for employees who respond to a hazardous waste release for the purpose of protecting property, persons, or the nearby environment, but is not responsible for stopping or cleaning up the release. Topics include: legal overview, properties of hazardous materials, use of respiratory protection and personal protective equipment, spill remediation, and decontamination techniques, and a dress-out field exercise. This course meets the OSHA 29 CFR 1910.120 training requirements. The 24-hour HAZWOPER certification requires an 8 hour annual refresher. This course can also be delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.

40-Hr. HAZWOPER
$650  M-F  May 14-18, 2018  8:30-5:30  (40 hrs.)

This five-day course is designed for persons who respond to a hazardous waste release to stop the release. The program includes intensive classroom and practical dress-out spill/cleanup exercises. Legal overview of regulations, basic toxicology, site characterization and analysis, monitoring equipment, spill mitigation, drum over-pack and repair, and full dress field exercises are included. This course meets the OSHA 29 CFR 1910.120 training requirements. The 40 hour HAZWOPER certification requires an 8 hour annual refresher. This course can also be delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.

Safety for Treatment Plant Operators
$125  W  April 18, 2018  8:30-3:30  (6 hrs.)
$125  M  Oct. 29, 2018  8:30-3:30  (6 hrs.)

This course focuses on safety topics specific to the water/wastewater industry. Topics include: confined space, bloodborne pathogens, electrical hazards, hazardous communication, lockout/tagout, and personal protective equipment. This course meets ABC's continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, PC, and well driller.

Bill Howard | South Carolina RSM - Mid-Atlantic Division
P 800.227.4224 ext. 5502 | M 704.249.7687
bhoward@hach.com | www.hach.com
Customized Training at Your Facility

Almost all courses in our catalog can be delivered onsite at your location. The courses listed below are only offered as onsite training. Here are the benefits of customized training:

- Reduce travel time & expenses
- Expert instructors
- Cost effective
- Flexible delivery times

Call 803.778.6656 or email etc@cctech.edu to discuss onsite training for your operators.

Safety Courses

Confined Space Entry

This course is designed to meet the OSHA (29 CFR 1910.146) requirements for training of persons who must enter and work in confined spaces. This course defines a confined space, explains confined space hazards and preparations for entering. This program stresses the importance of safety awareness and hazard evaluation control. Permits will be written and entries will be performed in our confined space simulator. This course meets ABC's continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, and PC. This course can be customized and delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.

Confined Space Entry and Rescue

This course is designed to meet the OSHA (29 CFR 1910.146) requirement for training of persons who must enter and work in confined spaces. This course defines a confined space, explains confined space hazards, preparations for entering, and procedures for performing rescues from confined spaces. This program stresses the importance of safety awareness and hazard evaluation and control. Permits will be written, and actual entries will be performed in our confined space simulator. This course meets ABC's continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, and PC. This course can be customized and delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.

Trenching & Shoring Competent Person Training

This course will help reduce the risk of excavation-site accidents. The dangers of trenching and shoring and the responsibilities of a "competent person" will be discussed. Other topics include soil classification, protective support systems, general safety practices, and emergency response procedures. This course meets ABC's continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, and PC. This course can be customized and delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.

Chlorine Safety

This course offers specialized training in the handling of chlorine cylinders. Students will learn the hazards associated with chlorine and how to find and repair leaks. Students will also gain hands-on experience with the level A & B repair kit. This course meets ABC's continuing education requirements for approved course topic criteria for water treatment, water distribution, biological, and PC. Call the SCETC at 803-778-6656 for the next start date or to schedule this course at your facility.

OSHA 10-Hour General Industry

This 10-hour OSHA course covers the role and function of OSHA, and methods of compliance based on the General Industry Standards. This course includes Occupational Safety and Health Act required material and topics that directly relate to the water/wastewater industry. Topics include: confined space, electrical hazards, hazardous communication, lockout/tagout, bloodborne pathogens, and personal protective equipment. It is recommended this course be taken every three years to receive updated information from OSHA. This course can be delivered onsite at your facility. Dates and times can be scheduled at your convenience.

OSHA 30-Hour General Industry

This 30-hour OSHA course covers the role and function of OSHA, and methods of compliance based on the General Industry Standards. This course includes Occupational Safety and Health Act required material and topics that directly relate to the water/wastewater industry. Topics include: confined space, chlorine safety, electrical hazards, hazardous communication, lockout/tagout, bloodborne pathogens, and personal protective equipment. It is recommended this course be taken every three years to receive updated information from OSHA. This course can be delivered onsite at your facility. Dates and times can be scheduled at your convenience.

HAZMAT-RCRA-DOT

This 8-hour course covers loading & unloading, storing, transporting, packaging, labeling, marking, placarding, manifesting and emergency preparedness to accidents involving hazardous materials. This course meets the DOT renewal requirement as listed in 49 CFR 172 (must be renewed every three years) and the annual RCRA renewal requirement. This course can be delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.

HAZMAT-RCRA

This 4-hour course will cover the labeling & marking shipments, placarding, packaging, and manifesting of hazardous materials. This course meets the DOT renewal requirement as listed in 49 CFR 172 (must be renewed every three years) and the annual RCRA renewal requirement. This course can be delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.

Well Driller Courses

Between July 1, 2017 and June 30, 2019, every South Carolina well driller must obtain twelve (clock hours) continuing education units or pass an exam of the next highest level. Well drillers should keep records of all courses attended. When you receive your renewal form in 2019, there will be a space to record the number of hours you have received. Continuing education can be obtained from schools, workshops, seminars, conferences, online training, and/or in-house training sessions. For more information, visit the SC Environmental Certification Board website at http://www.llr.state.sc.us/POL/Environmental/.

A number of our courses meet approved course topic criteria for well drillers.

- Electrical Maintenance — 6 hours (see page 8)
- Pump Maintenance — 6 hours (see page 8)
- Basic Math (online) — 6 or 12 hours (see page 4 & 8)
- Advanced Math (online) — 6 or 12 hours (see page 4 & 8)

Well Driller “D” Level and Regulation Review

This 12-hour course is designed for persons desiring to achieve a D level well driller license in the state of South Carolina. The following regulations will be reviewed: South Carolina Individual Residential Well & Irrigation Well Permitting (R.61-44), South Carolina Well Standards (R.61-71), and South Carolina Labor, Licensing, and Regulation laws. This course is also a good update for well drillers who would like a refresher on South Carolina laws and regulations. This course can be delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.

Advanced Well Drilling Short School

This 12-hour course covers advanced knowledge of well drilling practices and construction standards. Classification and regulation of wells, establishing standards for location, construction, materials, reporting, operation, maintenance, and abandonment will be discussed. It is designed for persons desiring to achieve an advanced level (C, B or A) well driller license (Rock, Environmental or Coastal) in the state of South Carolina. This course can be delivered onsite at your facility. Dates and times can be scheduled at your convenience. Call 803-778-6656 for additional information.
Environmental Certification Board

The South Carolina Department of Labor, Licensing and Regulation (LLR) recommend the South Carolina Environmental Training Center (SCETC) for training to help prepare operators for state certification exams and continuing education units for water and wastewater training.

Operators are required to obtain at least 12 hours of continuing education over a two-year period or take and pass an exam. This period begins on July 1st of an odd year and ends June 30th two years later – also an odd year. Operators may use the same hours to cover more than one certification if the subject is relevant to both/all areas. Operators must maintain their own records for continuing education credit. Visit LLR’s website for additional information. http://www.llr.state.sc.us/POL/Environmental/Operator Exam Information

The Association of Boards of Certification (ABC) offers standardized and client-customized certification exams. South Carolina exams include the categories of water treatment, water distribution, biological wastewater and physical/chemical wastewater. ABC offers valuable examination resources for operators preparing for an exam. Visit ABC’s website to learn more about the following resources. http://www.abccert.org/

- Formula Sheets - ABC Formula/Conversion Tables are provided during the examination and should be used to solve exam calculations.
- Sample Exam Questions - Get a feel for the exam with these sample questions. While you will not find questions directly from an exam, they will help you familiarize yourself with a certification exam.
- Need-to-Know Criteria - Need-to-Know Criteria describe the core competencies covered on the ABC standardized exams and are a valuable preparation tool.
- Computerized Examination Help – View the features of the computerized exam software.

Before an operator is allowed to sit for a Biological Wastewater, Physical/Chemical Wastewater, Water Distribution, Water Treatment or Well Driller examination they must be approved by the South Carolina Environmental Certification Board. Applications for operator certification are available on LLR’s website.

The South Carolina environmental certification examinations are administered by Applied Measurement Professionals (AMP) Assessment Centers. The exams are given on a computer at over 150 locations throughout the United State. In South Carolina, exam facilities are located in Columbia, Spartanburg and Charleston. A current listing of AMP Assessment Centers, including addresses and driving directions, may be viewed at the AMP’s website located at www.goAMP.com. The examinations are administered by appointment only, Monday through Saturday at 9:00 a.m. and 1:30 p.m. Candidates are scheduled on a first-come, first-served basis. To register for an exam go to www.goAMP.com or call 1-800-345-6559.

The Benefits

The benefits of a customized registered apprenticeship program can be substantial.
- Increased productivity
- Better retention
- Decreased turnover
- Higher morale
- Enhanced employee loyalty
- Increased skill levels

The South Carolina Environmental Certification Board has stated that apprenticeship programs incorporating the ABC’s Need-to-Know criteria may be eligible to advance operators to higher levels of licensure more quickly.

Apprenticeships for the Water Industry

These utilities have discovered the benefits of apprenticeship programs:

We Are Columbia
Charleston Water System
Brooke County Water & Sanitation
Florence
GEORGETOWN COUNTY WATER & SEWER DISTRICT
Spartanburg Water

Sometimes preparing for an exam is more than knowing the technical aspects of the material. The South Carolina Environmental Training Center (SCETC) recognizes the state certification exams can be stressful and even overwhelming. The SCETC has developed a Study Guide for South Carolina Operators. The guide explains how to develop an effective study plan, and provides general test-taking strategies that will help you better prepare for the operator exams. As a bonus, you will receive a flash drive that provides study questions to help prepare for the exam. This guide is available for $30 for operators studying for the biological, physical/chemical, water, and distribution exams. This guide is provided at no-charge for any student enrolled in a SCETC short school. Call 803-778-6656 or email etc@ctech.edu for your copy!

The information contained in the guide is meant to serve as a comprehensive collection of study strategies to help prepare for an examination. Reading the guide and using the practice flash drive does not guarantee a passing score on the South Carolina operator examinations.
Move Thousands of Gallons of Water with One Finger

Access Your System from Any Web-enabled Device

“For about a quarter of the cost of a traditional SCADA system I now have all I need to run my water system. Very easy to install and even easier to maintain.”

- Bobby Brock, General Manager of Marlboro Water Company.

The Mission SCADA system with the Tank and Well Control Package allows you to adjust the various pump on/pump off trigger levels from any web enabled device. When the tank levels fall outside the boundaries, a command signals up to three other RTUs, or groups of RTUs, to turn on and off relays, energize pumps and refill the tank.

On the website the customer can:
- View current and historic tank level
- View real-time well call and run status

With a supervisor’s password the customer can:
- Enable and disable alternation
- Manually run or lock out individual wells
- Modify tank set points
- Adjust high and low level alarm points
- Change alarm callout schedules

David Hancock
dhancock@clearwaterinc.net
803-727-8816

Rodney Edwards
rodney@clearwaterinc.net
843-670-4451

Shad Stringfellow
shad@clearwaterinc.net

Locally Represented By:

ClearWater, Inc.
(828) 855-3182
info@clearwaterinc.net
www.clearwaterinc.net

Advanced Monitoring • Low Cost • Managed SCADA