

# SCDOT Technician Certification Program at Tri-County Tech

April 27, 2017

Columbia, SC

# SCDOT Technician Certification Program

- <http://www.scdot.org>
  - Doing Business with SCDOT
  - Materials and Research
  - Technician Certification Program

# SCDOT Technician Certification Program

The screenshot displays the SCDOT website interface. At the top, there is a browser window with the URL [www.scdot.org](http://www.scdot.org). The website header features the SCDOT logo on the left, an "Advanced Search" bar with a "Search" button and social media icons for Facebook, Twitter, and YouTube on the right. Below the header is a navigation menu with links for "511-Traveler Info.", "Contact Us", "Resources", "Disclaimer", and "Site Map". A secondary navigation bar includes "Quicklinks", "Getting Around in SC", "Inside SCDOT", "Doing Business with SCDOT", and a prominent orange "Contact SCDOT" button.

The main content area is titled "Project Viewer" and features a map of South Carolina counties. The map is overlaid with the text "Project Viewer" in a large, bold font. Below the map, there is a dark banner with the text "SCDOT Project Viewer" and "A product of SCDOT GIS/Mapping". On the left side of the map area, there is a vertical sidebar menu with the following items: "511/Web Cams", "Commission Stream", "Projects", "Press Releases", "Public Transit", "Reports", "Spending", "Work Requests", and "DBE".

# SCDOT Technician Certification Program

- Providers
  - Tri-County Technical College
    - [www.tctc.edu/scdot](http://www.tctc.edu/scdot)
  - University of South Carolina
    - [http://www.sc.edu/study/colleges\\_schools/engineering\\_and\\_computing/study\\_areas\\_of\\_study/civil\\_and\\_environmental\\_engineering/degree\\_programs/scdot\\_certifications/](http://www.sc.edu/study/colleges_schools/engineering_and_computing/study_areas_of_study/civil_and_environmental_engineering/degree_programs/scdot_certifications/)

# SCDOT Technician Certification Program

- Tri-County Technical College
  - Asphalt Roadway Technician (ART), regular & Pre-Hwy
  - Course Aggregate Levels 1 and 2
  - Earthwork (EW) & Base Course Technician, regular & Pre-Hwy
  - Foundations Technician
  - Hot Mix Asphalt (HMA) Levels 1, 2 and 3
  - Pavement Preservation Level 1
    - Asphalt Seal Coats
    - Micro Surfacing/Slurry Seals
    - Concrete Pavements

# SCDOT Technician Certification Program

- University of South Carolina
  - Concrete Level 1
  - Concrete Level 2

# Types of Courses

- Standard (certification and re-certification)
- Exam-only re-certification option
  - Asphalt Roadway Technician
  - Earthwork & Base Course Technician
- Pre-Highway (no experience required)
  - Asphalt Roadway Technician
  - Earthwork & Base Course Technician

# Standard Courses

- Requirements set by SCDOT Technician Certification Board
  - 6 months of experience prior to attending class (signed by another applicable certified technician)
  - Applicable pre-requisite certifications prior to attending class
  - Cert or Re-cert lasts for 5 years
  - One re-test attempt is allowed per class
    - Must make at least a 60 to be eligible to take a re-test
    - If re-test failed, must attend another full class



# Exam-Only Re-certs

- Requirements set by SCDOT Technician Certification Board
  - Only currently available for
    - Asphalt Roadway Technician
    - Earthwork & Base Course Technician
  - Written exam only
    - No field test requirement for EW
    - Nuclear Gauge HazMat re-cert is NOT included, but you can get it online through Troxler
  - Re-cert only lasts for 3 years
  - No re-test attempt is allowed
    - If test is failed, participant must attend a full class

# Pre-Highway Courses

- Created specifically to expedite certification process
  - Asphalt Roadway Technician
  - Earthwork & Base Course Technician (includes Nuclear Gauge HazMat)
- Requirements set by SCDOT Technician Certification Board
  - 1 month of documented experience (signed by another applicable certified technician) either before OR after attending class
  - All testing included in class
  - Re-test requirements same as standard certification classes
- Certifications last for 5 years, just like standard courses

# Pre-Highway Courses

- More expensive than standard courses because of
  - Length (9 days instead of 3 or 4 days)
  - Fewer students in each class due to more individualized help and hands-on practice
- Scholarships have been available
  - Currently unemployed or underemployed folks
  - New hires who were unemployed or underemployed
  - Contact Tri-County for scholarship application form
    - [conted@tctc.edu](mailto:conted@tctc.edu)
    - 864-646-1700

# TCTC SCDOT Course Scheduling

- Schedule created for an entire calendar year at one time
  - Includes coordination with all instructors, classroom facilities and hotels
- Usually created over the summer for following calendar year starting in January
- Planned schedule for whole year located at top of TCTC's SCDOT homepage ([www.tctc.edu/scdot](http://www.tctc.edu/scdot))
- Course sections open for enrollment at any given time are located on online registration pages for each type of course

# Schedule for Entire Calendar Year

The screenshot shows a web browser window with the URL [www.scdot.org/doing/contractor\\_Inspector.aspx](http://www.scdot.org/doing/contractor_Inspector.aspx). The page features a left-hand navigation menu with the following items: Inspector Certifications, e-TEAMS Extranet, Professional Services, Agritourism & Tourist Oriented Signing Program, File Transfer (FTP) Interface, Local Public Agency Administration, Maintenance, Permits, Procurement, FHWA, Surplus Property, and Technical Documents. The main content area lists several PDF forms with their respective file sizes: [ART Technician C](#), [HMA Level 1 Tech Cert Experience Form 2017](#) (PDF 90 KB), [HMA Level 2 Tech Cert Experience Form 2016](#) (PDF 288 KB), [EARTHWORK Certification Experience Sheet 2016](#) (PDF 201 KB), [Foundations Technician Certification Experience Form 2013](#) (PDF 31.5 KB), [Foundations Job Site Documentation](#) (PDF 102 KB), [Coarse Agg L1 Experience Form 2016](#) (PDF 71.2 KB), [Pavement Preservation Level 1 Asphalt Seal Coats](#) (PDF 83.3 KB), [Pavement Preservation Level 1 Micro/Slurry Coats](#) (PDF 75.8 KB), [Pavement Preservation Level 1 Concrete Pavements](#) (PDF 74.1 KB), [TCTC Campus Map](#) (PDF 79 KB), and [Request for Temporary Certification - Waiver to Practice](#) (PDF 39 KB). Below the list of forms, the text reads: "The following universities provide these SCDOT certification courses:". This is followed by two sections: "Tri-County Technical College" which lists Nuclear Gauge Safety Certification, Earthwork and Nuclear Gauge Technician Program, Foundations Certification, Asphalt HMA Technician Certifications, Coarse Aggregate Technician Certification, and Pavement Preservation; and "The University of South Carolina" which lists Portland Cement Concrete Certification and [Form 700.04 Tutorial](#) (PDF 973 Kb). At the bottom of the page, there is a "Related Links:" section.

**The following universities provide these SCDOT certification courses:**

Tri-County Technical College

- Nuclear Gauge Safety Certification
- Earthwork and Nuclear Gauge Technician Program
- Foundations Certification
- Asphalt HMA Technician Certifications
- Coarse Aggregate Technician Certification
- Pavement Preservation

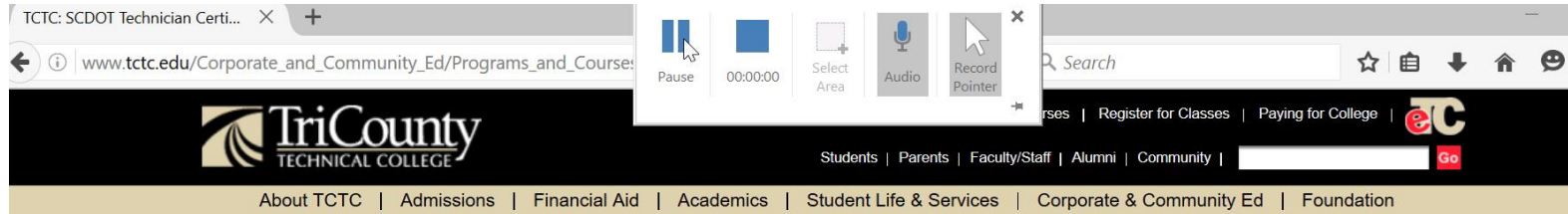
The University of South Carolina

- Portland Cement Concrete Certification
- [Form 700.04 Tutorial](#) (PDF 973 Kb)

**Related Links:**

# Sections Open for Enrollment:

## Example: Asphalt Roadway Technician



- Corporate & Community Ed**
- CCE Scholarships
- A-Z Listing
- What's New ▶
- Register & Pay ▶
- Programs & Courses ▼**
- Business
- Career Certificate/QuickJobs
- Computer/IT
- Conference Planning
- Construction Training Center
- Culinary Arts
- Customized Training
- Design/Creative
- Emergency Response/Security/Law Enforcement
- Environmental
- Healthcare
- Industrial/Manufacturing
- Life and Leisure
- Online Programs & Courses
- Prof CEUs & Recert
- SCDOT ▼
- Teacher Training &

### SCDOT Technician Certification



**2016 Schedule** (subject to change based on enrollment)  
**2017 Schedule** (subject to change based on enrollment)

**Program Description:**  
 Technician Certification:  
 At this point, there are eight different types of technician certification courses offered at Tri-County Technical College. For complete information about requirements of the SCDOT Technician Certification program, please see the [SCDOT Technician Certification website](#) and the [SCDOT Technician Certification Policy](#). For more information or to register for the individual courses offered at Tri-County Technical College, please click the links in the table below.

Certification Course Name:
<a href="#">Asphalt Roadway Technician (ART)</a>
<a href="#">Asphalt Roadway Technician (ART) Recertification</a>
<a href="#">Coarse Aggregate Level 1 Sampling and Grading Technician</a>
<a href="#">Coarse Aggregate Level 1 Sampling and Grading Technician Recertification</a>
<a href="#">Coarse Aggregate Level 2 Testing Technician</a>
<a href="#">Coarse Aggregate Level 2 Testing Technician Recertification</a>

**News**   **Calendar**

**Thomas Strange, Senior Director of Research and Development for Abbott, to Address Tri-County's Spring Graduates**  
[Read More »](#)

**Tri-County's Top Students Honored at Awards Ceremony**  
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**Tri-County to Host FREE BACK TO WORK 50+ Seminar April 27**  
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**Contact Us**

**Corporate & Community Education**  
 (864) 646-1700  
 Toll-free (within the 864 Area Code) at 1-866-269-5677, ext. 1700  
[conted@tctc.edu](mailto:conted@tctc.edu)

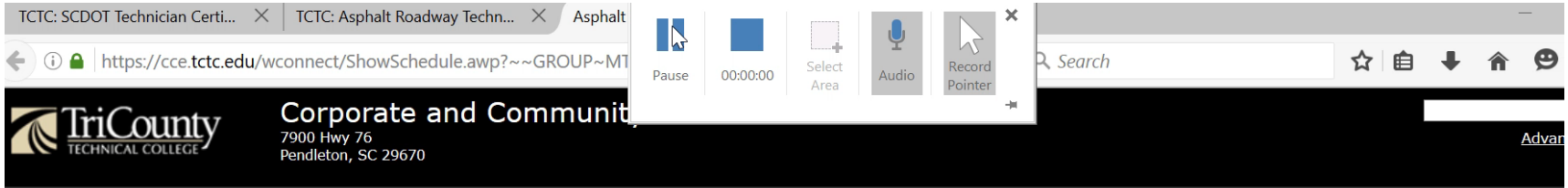
**Office Hours:**  
 Pendleton Campus

# Adding Extra Sections

- If our scheduled sections are full and we have enough students on the waitlist, we will schedule an additional section or sections
  - Add students to waitlist by completing the Waitlist Form at the top of the online registration page and emailing it back to us.
- Employers can also request another section of a specific course type in an alternate location if they have multiple students to enroll (see “Course Locations” slide)



# Waitlist Form



## STUDENTS

[Log On](#)  
[Enrollment Card](#)  
[My Account](#)  
[My History](#)

## COURSES

[by Group](#)  
[by City/State](#)  
[by Instructor](#)  
[Complete Listing](#)  
[Calendar](#)

[Home](#)  
[FAQ](#)  
[Contact Us](#)  
[Site Map](#)  
[Webmaster](#)

## Asphalt Roadway Technician

If there are no available sections of your desired course, please complete this [Waitlist Form](#) and email it to [conted@tctc.edu](mailto:conted@tctc.edu) to be placed on list. If you are requesting a re-certification course, please also include your current certification expiration date in the email.

Code	CourseName	Location	Begins	Ends	Meets	
162MTT62303	<a href="#">Asphalt Roadway Technician Re-Certification - EXAM ONLY</a>	XX - Columbia - Adtm. 105, Midlands Tech Northeast	04/27/17	04/27/17	Th from 8:00 AM to 12 N	47
162MTT62304	<a href="#">Asphalt Roadway Technician Re-Certification - EXAM ONLY</a>	XX - Columbia - Adtm. 105, Midlands Tech Northeast	04/27/17	04/27/17	Th from 1:00 PM to 5:00 PM	47
163MTT50301	<a href="#">Asphalt Roadway Technician Certification(Closed)*</a>	IB 127 - Pendleton Campus, IBDC Building	05/02/17	05/04/17	Tu 9AM - 5PM; W 8:30AM - 5PM; Th 8:30AM - 12:30PM	50
163MTT50302	<a href="#">Asphalt Roadway Technician Certification</a>	IB 127 - Pendleton Campus, IBDC Building	06/27/17	06/29/17	Tu 9AM - 5PM; W 8:30AM - 5PM; Th 8:30AM - 12:30PM	50
163MTT79901	<a href="#">SC DOT Retest</a>	IB 153 - Pendleton Campus, IBDC Building	05/09/17	05/09/17	Tu from 9:00 AM to 1:00 PM	50
163MTT79902	<a href="#">SC DOT Retest</a>	IB 115 - Pendleton Campus, IBDC Building	05/11/17	05/11/17	Th from 9:00 AM to 1:00 PM	50

[Back to Top](#)



# Course Locations

- Pendleton
  - Everything except ART re-cert Exam Only and EW re-cert Exam Only (those are only in Columbia)
- Columbia
  - ART
  - Foundations
  - HMA Level 1
  - HMA Level 3
  - Pavement Preservation Level 1 (all 3 types)
  - ART re-cert Exam Only (all sections)
  - EW re-cert Exam Only (all sections)
- Other locations available upon request
  - Based on instructor and facility availability
  - Must meet minimum number of required students per class
  - Students do not have to all come from the requesting employer

# Asphalt Roadway Courses

Course Title	Number of Courses Offered Each Year					
	2012	2013	2014	2015	2016	2017 <sup>1</sup>
Asphalt Roadway Technician	3	5	6	6	8	8
Pre-Highway Asphalt Roadway Technician	1	1	0	1	5	6
Asphalt Roadway Technician Re-certification EXAM ONLY	N/A	N/A	N/A	N/A	2	4

1. Number of 2017 classes are based on # scheduled classes rather than # held for the dates past April since these dates have not occurred yet.

# Earthwork Courses

Course Title	Number of Courses Offered Each Year					
	2012	2013	2014	2015	2016	2017 <sup>1</sup>
Earthwork & Base Course Technician	6	5	6	6	8	8
Pre-Highway Earthwork & Base Course Technician	1	1	0	1	4	5
Earthwork & Base Course Technician Re-certification EXAM ONLY	N/A	N/A	N/A	N/A	2	4

1. Number of 2017 classes are based on # scheduled classes rather than # held for the dates past April since these dates have not occurred yet.

# Foundations Courses

Course Title	Number of Courses Offered Each Year					
	2012	2013	2014 <sup>2</sup>	2015 <sup>2</sup>	2016	2017 <sup>1</sup>
Foundations Technician	2	3	2	2	4	4

1. Number of 2017 classes are based on # scheduled classes rather than # held for the dates past April since these dates have not occurred yet.
2. Three sections of Foundations were offered in 2014 and 2015, but both years, the third section didn't have enough students to run.

# Hot Mix Asphalt Courses

Course Title	Number of Courses Offered Each Year					
	2012	2013	2014	2015	2016	2017 <sup>1</sup>
HMA Level 1 Plant Technician	4	5	4	4	6	6
HMA Level 2 Job Mix Technician <sup>2</sup>	2	2	2	2	2	2
HMA Level 3 Quality Control Manager <sup>2</sup>	2	2	2	2	2	2

1. Number of 2017 classes are based on # scheduled classes rather than # held for the dates past April since these dates have not occurred yet.
2. HMA Level 2 and HMA Level 3 number of classes have not increased, but we have gone from having minimum numbers to having more classes actually close to being full.

# Pavement Preservation Courses

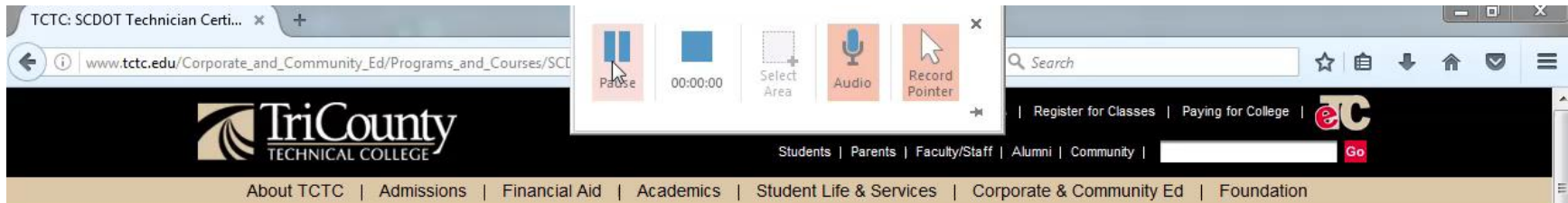
Course Title	Number of Courses Offered Each Year					
	2012	2013	2014	2015	2016 <sup>2</sup>	2017 <sup>1,2</sup>
Pavement Preservation Level 1 Asphalt Seal Coats	3	6	4	4	3	3
Pavement Preservation Level 1 Micro Surfacing	3	6	3	3	2	2
Pavement Preservation Level 1 Concrete Pavements	3	6	3	3	2	2

1. Number of 2017 classes are based on # scheduled classes rather than # held for the dates past April since these dates have not occurred yet.
2. Pavement Preservation certifications were started in 2012, and we were encouraged to get everyone in SCDOT certified as soon as possible. By 2015, most SCDOT personnel were certified, and demand for these classes dropped, and we had to cancel at least one section that we had scheduled every year. However, we anticipate demand to increase again in 2018 due to re-certifications and will schedule more sections accordingly.

# Registration Information

- Students are not guaranteed a spot in the class until payment is received by TCTC.
- Registration methods
  - Online
    - Must pay with a credit card to register online
    - Student should receive an immediate email confirmation/receipt
  - Phone
    - Registration is not guaranteed or confirmed until TCTC receives the actual check or credit card payment.
  - Fax/Email Billing & Registration Form (available on website)
    - Registration is not guaranteed or confirmed until TCTC receives the actual check or credit card payment.

# Registration Information



- Corporate & Community Ed**
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- Register & Pay ▶
- Programs & Courses ▼**
- Business
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## SCDOT Technician Certification



**2016 Schedule** (subject to change based on enrollment)  
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### Program Description:

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[conted@tctc.edu](mailto:conted@tctc.edu)

Office Hours:

Pendleton Campus  
 1100 South Church Street



# Registration Information

- Prerequisites are required for multiple classes.
  - See webpage for each individual type of class for specifics
- Prerequisites are not required at the time of registration
  - Usually required before attending the class, but there are a few exceptions (Foundations, etc.)
    - We cannot award certifications until all prerequisites are submitted even if a student is allowed to attend the class.

# Registration Information

- Standard requirement for certification is 6 months of related experience documented on experience form signed by someone already certified in the applicable SCDOT certification.
  - Don't have 6 months experience?
    - Attend Pre-Highway version of the course
    - Currently only available for ART and EW
  - Don't have SCDOT-certified person to sign forms?
    - Apply for Experience Form Waiver from SCDOT
    - Experience Form Waivers can only be awarded by SCDOT, not by the training providers (TCTC and USC)

# Experience Form Waivers

- Eligibility
  - People who are already certified by another certifying agency and/or
  - People who have significant experience inspecting a particular type of work in another state
- Must apply for waiver by emailing request to appropriate SCDOT contact for that type of certification
  - Contacts listed in SCDOT Technician Certification Policy on the SCDOT website

# Experience Form Waivers

The screenshot displays the SCDOT website interface. At the top, the SCDOT logo is prominent on the left, and an 'Advanced Search' bar is on the right. Below the logo, navigation links include '511-Traveler Info.', 'Contact Us', 'Resources', 'Disclaimer', and 'Site Map'. A secondary navigation bar features dropdown menus for 'Quicklinks', 'Getting Around in SC', 'Inside SCDOT', and 'Doing Business with SCDOT', along with a 'Contact SCDOT' button.

The main content area features a video player titled 'State of the SCDOT'. The video player includes a left sidebar with a list of links: '511/Web Cams', 'Commission Stream', 'Projects', 'Press Releases', 'Public Transit', 'Reports', 'Spending', 'Work Requests', and 'DBE'. The video player itself shows a dark blue background with the text 'State of the SCDOT' and 'View the State of SCDOT Report' with a subtitle 'Delivered to Senate Transportation Committee'. A video control bar at the bottom of the player shows a play button and a progress indicator.

Overlaid on the video player is a media control window with the following elements:

- Pause button
- 00:00:00 timer
- Select Area button
- Audio button
- Record Pointer button

# Waivers to Practice

- Eligibility
  - People who are already certified in another state AND have extenuating circumstances that temporarily prevent them from achieving certification
- Must apply for waiver by emailing request to appropriate SCDOT contact listed in SCDOT Technician Certification Policy on the SCDOT website
- Must operate under the direct responsibility of a SC Licensed Professional Engineer until they are actually certified

# Waivers to Practice

South Carolina Departmen... x +

www.scdot.org

Pause 00:00:00 Select Area Audio Record Pointer

Advanced Search

Enter Keywords Search

511-Traveler Info. | Contact Us | Resources | Disclaimer | Site Map

Quicklinks Getting Around in SC Inside SCDOT Doing Business with SCDOT Contact SCDOT

- 511 Web Cams
- Commission Stream
- Projects
- Press Releases
- Public Transit
- Reports
- Spending
- Work Requests
- DBE

of SCDOT

View the State of SCDOT Report

Project View

# Workforce Recruiting Resources

- Goodwill Job Connection
- Local non-profits (Examples: Anderson Interfaith Ministries, SHARE, Dream Center, etc.)
- Operation Palmetto Employment (veterans)
- SC DSS
- SC Technical Colleges
- SC Voc Rehab (if willing to hire ex-offenders)
- SC Works
- United Way
- In addition to recruiting candidates, may have info about other employer benefits like tax credits, on-the-job training funds, etc.

# Questions and Open Discussion