

# CONSTRUCTION MATERIALS TESTING, SHORT-TERM CERTIFICATE



Education and training for employment as a construction materials testing technician. Students will perform basic field concrete and soil tests under the direction of engineering professionals of company technician managers. This field work is required to ensure that sampling inspection, and testing is performed consistent with project specifications. Test results are prepared for lab reports and transmitted to the proper construction personnel for review.

**This certificate will be automatically awarded when the certificate requirements are completed. If you do not want to receive the certificate, please notify the Office of the Registrar at RegistrarOffice@tri-c.edu.**

Learn more about how certificate credits apply to the related degree.

*There will be no new students accepted in the program for Academic year 2025-2026. This program is being replaced by a Certificate of Proficiency in Transportation Construction Inspection Level II. Current students should reach out to an academic counselor to create an academic plan to complete the Short-term Certificate in Construction Materials Testing am by the end of the Summer 2027 semester or to create an academic plan to transition to the Certificate of Proficiency in Transportation Construction Inspection Level II.*

## Admissions Requirements

- High school diploma or GED.
- MATH-0965 or qualified Math Placement.

## Program Learning Outcomes

1. Interpret the intent of plans and specifications as they relate to the need for testing specified construction materials.
2. Perform standard construction industry practices for sampling and testing of soil, asphalt, and concrete.
3. Be certified in OSHA 30 for the Construction Industry.
4. Be prepared for NICET Level I Construction Materials Testing Asphalt, Concrete, and Soils Certification exam.
5. Be prepared for ACI Concrete Grade I Concrete Field Testing Technician certification exam.

Course	Title	Credit Hours
<b>First Semester</b>		
CNST-1290	Construction Print Reading	2
CNST-1660	Material Testing	2

CNST-1751	Construction Safety	2
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
<b>Credit Hours</b>		<b>9</b>
<b>Second Semester</b>		
CNST-1670	Highway Inspection	2
CNST-2131	Construction Methods and Materials	3
Select one of the following:		
IT-1090	Computer Applications	
IT-109H	Honors Computer Applications	
<b>Credit Hours</b>		<b>5</b>
<b>Total Credit Hours</b>		<b>14</b>

MATH-1140, MATH-1141, MATH-1200, MATH-1270, and MATH-1280 can no longer count towards fulfilling the college-level mathematics requirement. These courses were re-classified as developmental mathematics by the state of Ohio in 2016. Tri-C established a 5-year transitioning window for students who had completed these courses prior to 2016 to apply them towards meeting graduation requirements, which expired in Summer 2021. It is highly recommended to see a counselor to determine the appropriate math required for your current major.