

CONSTRUCTION PROJECT MANAGEMENT, CERTIFICATE OF PROFICIENCY



The certificate program prepares students for entry level employment of construction project engineering/management including cost/quantity estimating, computer-aided drafting, and jobsite safety. Program includes coursework in construction print reading, CAD, construction materials, safety, and jobsite management practices.

Program contact: Learn more

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.

Program Admission Requirements

- High School Diploma/GED
- ENG-0995 Applied College Literacies with grade of "C" or higher, or appropriate score on English Placement Test.
- MATH-0965 Intermediate Algebra with grade of "C" or higher, or qualified Math Placement.

Program Learning Outcomes

This program is designed to prepare students to demonstrate the following learning outcomes:

1. Monitoring project work for compliance with contract documents.
2. Interpret the intent of plans and specifications as they relate to the various aspects of the construction project from the perspective of the owner, design professional, construction manager, and contractor and have the associated computer proficiencies.
3. Apply the principles of project management process, innovation and technology to effectively identify characteristics of project delivery systems, and implement project processes for successful project completion.
4. Use various methods to organize project requirements into logical inter-related groupings that represent consensus of project stakeholders to develop a management tool that communicates project status using industry standard software.
5. Use critical thinking skills to anticipate, identify, respond to, and resolve problems.

6. Use verbal and written skills with technological tools to clearly and effectively communicate using appropriate protocols to project stakeholders.

Suggested Semester Sequence

First Semester		Credit Hours
CNST-1281	Construction Engineering Orientation	3
CNST-1290	Construction Print Reading	2
CNST-1751	Construction Safety	2
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
Select one of the following:		3
IT-1090	Computer Applications	
IT-109H	Honors Computer Applications	
Select one of the following ²		3
ACCT-1020	Applied Accounting	
ACCT-1311	Financial Accounting	
MET-2422	Fundamentals of Engineering Economics	
Credit Hours		16
Second Semester		Credit Hours
CNST-2131	Construction Methods and Materials	3
CNST-1411	CAD Technology in Construction	2
CNST-2990	Construction Estimating & Cost Analysis	3
PHYS-1210	College Physics I ¹	4
CNST-XXXX	CNST Elective	3
Credit Hours		15
Total Credit Hours		31

¹ PHYS-2310 General Physics I or MATH-1530 College Algebra or higher may be used to meet this requirement.

² ACCT-1311 Financial Accounting suggested for students transferring for construction management. MET-2422 Fundamentals of Engineering Economics Fundamentals of Engineering Economics recommended for students transferring for civil/construction engineering.

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.