

# CONSTRUCTION ENGINEERING TECHNOLOGY

Code	Title	Credit Hours
CNST-1281	Construction Engineering Orientation	3
CNST-1290	Construction Print Reading	2
MATH-1530	College Algebra (or higher) <sup>1</sup>	4
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 <sup>2</sup>	
IT-109H	Honors Computer Applications	
CNST-1410	Architectural CAD I	3
CNST-1750	Construction Safety	3
CNST-2131	Construction Methods and Materials	3
MATH-1540	Trigonometry (or higher)	3
PHYS-1210	College Physics I <sup>3</sup>	4
CNST-2201	Introduction to Building Information Modeling	3
CNST-2210	Mechanical and Electrical Systems	3
CNST-2990	Construction Estimating & Cost Analysis	3
Select one of the following:		3
ENG-2151	Technical Writing	
ENG-1020	College Composition II	
CNST/MET-xxxx	CNST or MET Elective (See Recommended List Below)	3
Select one of the following:		3
MET-1601	Technical Statics	
MET-2610	Statics <sup>4</sup>	
CNST-2330	Construction Scheduling	3
CNST-xxxx	CNST Elective	3
Select one of the following:		3
MET-2200	Strength of Materials	
MET-2630	Engineering Strength of Materials <sup>4</sup>	
Arts & Humanities/Social & Behavioral Sciences requirement		3
Select one of the following:		3
ACCT-1020	Applied Accounting	
ACCT-1311	Financial Accounting ((See Recommended List Below))	
MET-2422	Fundamentals of Engineering Economics <sup>4</sup>	

<sup>1</sup> MATH-1580 Precalculus or MATH-1610 Calculus I will be accepted in place of both MATH-1530 College Algebra and MATH-1540 Trigonometry but an additional 2 credit hours of general electives may be needed to meet degree requirements.

<sup>2</sup> MET-2550 Engineering Analysis Using MATLAB or IT-2670 C/C++ Programming Language will be accepted in place of IT-1090 Computer Applications to meet this requirement. Recommended for students planning on transferring for Civil/Construction Engineering.

<sup>3</sup> PHYS-2310 General Physics I will be accepted in place of PHYS-1210 College Physics I. Recommended for students planning on transferring for Civil/Construction Engineering.

<sup>4</sup> Recommended for students planning on transferring Civil/Construction Engineering.

Code	Title	Credit Hours
<b>Construction Management Transfer</b>		
CNST-2110	Basic Survey Practices	3
CNST-1510	Green Building & Sustainability I	3
ACCT-1311	Financial Accounting	3
<b>Civil/Construction Engineering Transfer</b>		
CNST-2110	Basic Survey Practices	3
MET-2430	Engineering Probability and Statistics	3
<b>Advanced Construction Management/Utility Management</b>		
CNST-1740	Fundamentals of Geographic Information Science	3
CNST-2631	Construction Management Systems	3
CNST-2510	Introduction to Asset Management	3
CNST-1770	Hazardous Waste Operations and Emergency Response	2
<b>Construction Materials Tester/Construction Inspector</b>		
CNST-1670	Highway Inspection	2
CNST-2140	Advanced Material Testing & Inspection	2
<b>Surveying</b>		
CNST-1740	Fundamentals of Geographic Information Science	3
CNST-2110	Basic Survey Practices	3
CNST-2535	Legal Principles in Surveying	3
CNST-2500	Construction Surveying	3
CNST-2540	Ohio Lands	2
CNST-2570	Geodetic Surveying	3

Other Content

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.

### **Related Degrees and Certificates**

- Construction Materials Testing, Short-Term Certificate
- Construction Operations, Short-Term Certificate
- Construction Project Management, Certificate of Proficiency
- Construction Engineering Technology, Associate of Applied Science

### **Degrees and Certificates**

- Construction Materials Testing, Short-Term Certificate
- Construction Project Management, Certificate of Proficiency

### **Training and Credentials**

- Certified Associate in Project Management