

Architectural Option (CETAO)

Civil Engineering Technology— Architectural Option (CETAO)

The Civil Engineering Technology - Architectural Option prepares graduates to bridge the gap between the architect and design engineer by assisting in the design of architectural, mechanical, electrical, and lighting systems for buildings. Architectural technicians fill support positions in various architectural and engineering firms, and provide an important interface between the architect and the project engineer.

Graduates earn an Associate of Applied Science degree. To prepare students for the current needs of the profession, the curriculum provides fundamental knowledge of building information modeling and computer aided design (CAD) using Revit Architecture and Revit MEP software for design and construction of architectural, mechanical and lighting systems.

In addition, students gain knowledge of construction methods and principles, architectural drafting and design, and the structural design involved in building construction.

For more information, please contact the Center for Innovative Technologies at (513) 569-1743.

To apply for this program at Cincinnati State, visit our Admissions Page (<http://www.cincinnati.edu/academics/admission>)

Civil Engineering Technology— Architectural Option (CETA)

Semester 1		Lec	Lab	Credits
CET 100	Introduction to Civil Engineering Technology (B)	2	2	3
CET 105	Introduction to Surveying (B)	2	3	3
CET 115	Architectural Drafting and Computer Aided Design (B)	2	4	4
MAT 125	Algebra and Trigonometry (G)	3	2	4
FYE 1XX	First Year Experience Elective (B)	1	0	1
Semester 2				
CET 120	Advanced Computer Aided Design: Revit Architecture (T)	3	3	4
CET 125	Statics and Strength of Materials (CET) (T)	3	3	4
CET 130	Building Codes and Materials (T)	2	2	3
ENG 101	English Composition 1 (G)	3	0	3
MAT 126	Functions and Calculus	3	2	4
Semester 3				
CET 291	Full-Time Cooperative Education 1: Civil Engineering Technology	1	40	2
COMM 110	Public Speaking	3	0	3

ENG 10X	English Composition Elective (G)	3	0	3
Semester 4				
CET 205	Architectural Design and 3D Modeling: Revit Architecture (T)	3	3	4
CET 210	Lighting and Electrical Systems Design (T)	2	3	3
CET 215	Mechanical and HVAC Systems Design (T)	2	3	3
PHY 151	Physics 1: Algebra and Trigonometry-Based	3	3	4
Semester 5				
CET 292	Full-Time Cooperative Education 2: Civil Engineering Technology	1	40	2
Semester 6				
CET 200	Structural Design (T)	3	3	4
CET 220	3D Modeling: Revit MEP and Revit Structure (T)	2	3	3
CET 280	Civil Engineering Technology Architectural Capstone (T)	2	5	4
ECO 110	Principles of Macroeconomics (G)	3	0	3
Total Credits:		52	124	71

Electives

First Year Experience Elective

FYE 100	College Survival Skills	1
FYE 105	College Success Strategies	2
FYE 110	Community College Experience	3

English Composition Elective

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Faculty

Program Chair

Professor Carol Morman, PE, PS, MS
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Co-op Coordinators

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