

# Construction Management Major (CETCO)

## Civil Engineering Technology—Construction Management Major (CETCO)

The Civil Engineering Technology - Construction Management Major prepares graduates to coordinate and supervise the construction process from design through construction while meeting schedule, cost, and quality goals.

Graduates earn an Associate of Applied Science degree, and gain thorough understanding of project documentation, building methods and materials, estimating, scheduling, and team dynamics. Graduates also are well-versed in computer-integrated construction, and the practices and methods used throughout residential, commercial, and industrial construction.

The Civil Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, 415 North Charles Street, Baltimore, MD 21201. Phone (410) 347-7700.

The Civil Engineering Technology - Construction Management program is also accredited by the American Council for Construction Education (ACCE), 1717 North Loop 1604 East, Suite 320, San Antonio, TX 78232-1570. Phone (210) 495-6161.

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

To apply for this program at Cincinnati State, visit the Admissions (<http://www.cincinnati.edu/academics/admission>) section of the College website.

## Civil Engineering Technology—Construction Management Major (CETCO)

Semester 1		Lec	Lab	Credits
CET 100	Introduction to Civil Engineering Technology ( <b>B</b> )	2	2	3
CET 105	Introduction to Surveying ( <b>B</b> )	2	3	3
CET 115	Architectural Drafting and Computer Aided Design ( <b>B</b> )	2	4	4
MAT 125	Algebra and Trigonometry ( <b>G</b> )	3	2	4
FYE 1XX	First Year Experience Elective ( <b>B</b> )	1	0	1
Semester 2		Lec	Lab	Credits
CET 110	Advanced Surveying and Construction Layout ( <b>T</b> )	2	3	3
CET 120	Advanced Computer Aided Design: Revit Architecture ( <b>T</b> )	3	3	4
CET 135	Construction Estimating ( <b>T</b> )	2	2	3

CET 225	Building Construction ( <b>T</b> )	2	2	3
ENG 101	English Composition 1 ( <b>G</b> )	3	0	3
Semester 3		Lec	Lab	Credits
COMM 110	Public Speaking ( <b>B</b> )	3	0	3
MAT 126	Functions and Calculus ( <b>B</b> )	3	2	4
CET 291	Full-Time Cooperative Education 1: Civil Engineering Technology ( <b>T</b> )	1	40	2
Semester 4		Lec	Lab	Credits
CET 125	Statics and Strength of Materials (CET) ( <b>T</b> )	3	3	4
CET 230	Construction Management ( <b>T</b> )	2	2	3
CET 235	Construction Scheduling ( <b>T</b> )	2	3	3
CET 240	Cost Engineering ( <b>T</b> )	2	2	3
ENG 10X	English Composition Elective ( <b>G</b> )	3	0	3
Semester 5		Lec	Lab	Credits
PHY 151	Physics 1: Algebra and Trigonometry-Based ( <b>G</b> )	3	3	4
CET 292	Full-Time Cooperative Education 2: Civil Engineering Technology ( <b>T</b> )	1	40	2
Semester 6		Lec	Lab	Credits
CET 200	Structural Design ( <b>T</b> )	3	3	4
CET 245	Building Information Models for Construction ( <b>T</b> )	1	3	2
CET 285	Civil Engineering Technology Construction Management Capstone ( <b>T</b> )	2	3	3
ECO 110	Principles of Macroeconomics ( <b>G</b> )	3	0	3
XXX XXX	Business Elective ( <b>B</b> )	3	0	3
<b>Total Credits:</b>		57	125	77

### 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

#### Business Elective

Any ACC, FIN, MGT, MKT	3
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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

## Civil Engineering Technologies (CETAO, CETCO, CETSO)

### ACCE

- Demonstrate effective communication, both orally and in writing.
- Demonstrate the ability to estimate quantities and costs for the bidding process in a construction project.
- Demonstrate the ability to schedule a basic construction project.
- Demonstrate the ability to use current technology related to the construction process.
- Interpret construction documents (contracts, specifications, and drawings) used in managing a construction project.
- Apply basic principles of construction accounting.
- Use basic surveying techniques used in building layout.
- Discuss basic principles of ethics in the construction industry.
- Identify the fundamentals of contracts, codes, and regulations that govern a construction project.
- Recognize basic construction methods, materials, and equipment
- Recognize basic safety hazards on a construction site and standard prevention measures.
- Recognize the basic principles of structural design.
- Recognize the basic principles of mechanical, electrical, and piping systems.

### ABET

- Ability to apply the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities.
- Ability to apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge.
- Ability to conduct standard tests and measurements, and to conduct, analyze, and interpret experiments.
- Ability to function effectively as a member of a technical team.
- Ability to identify, analyze, and solve narrowly defined engineering technology problems.
- Ability to apply written, oral, and graphical communication in both technical and non-technical environments; and ability to identify and use appropriate technical literature.
- Understanding of the need for and ability to engage in self-directed continuing professional development.
- Understanding of and commitment to address professional and ethical responsibilities, including a respect for diversity.
- Commitment to quality, timeliness, and continuous improvement.

## Faculty

### Program Chair/Advisor

Professor Carol Morman, PE, PS, MS  
carol.morman@cincinnati.edu

## Co-op Coordinators

Jennifer Geiger, BS  
jennifer.geiger@cincinnati.edu

James (Doug) Woodruff, MBA  
james.woodruff@cincinnati.edu

## Evening Student Advisor

Professor Elias Feghali, BS  
elias.feghali@cincinnati.edu

## Courses

### CET 100 Introduction to Civil Engineering Technology 3 Credits. 2 Lecture Hours. 2 Lab Hours.

A course on foundation concepts in civil engineering technology. Topics include: CET program and curriculum, career preparation, licensing, ethics, diversity, and OSHA. Students use Microsoft Word, Excel, and Powerpoint to complete assignments.  
Prerequisites: None

### CET 105 Introduction to Surveying 3 Credits. 2 Lecture Hours. 3 Lab Hours.

A course on foundation concepts of land surveying and site planning. Topics include: angle, distance, and elevation measurement; contours; and mapping and site planning fundamentals. Students complete outdoor field exercises and manual drafting lab exercises.  
Prerequisites: MAT 121 or appropriate placement test score  
Ohio Transfer Assurance Guide Approved

### CET 107 Construction Health and Safety 4 Credits. 4 Lecture Hours. 0 Lab Hour.

An introduction to construction safety. Topics include: risk management, safety hazards, the Code of Federal Regulations, and OSHA Construction Industry Standards outlined in Federal Code 29 CFR Part 1926. Students who complete the course successfully earn the OSHA 30-hour certificate.  
Prerequisites: None

### CET 110 Advanced Surveying and Construction Layout 3 Credits. 2 Lecture Hours. 3 Lab Hours.

A course in land surveying and construction layout. Topics include: traverse calculations, coordinate geometry, and field construction layout with methods of providing line and grade for varied projects. Students complete outdoor field exercises and computer lab exercises.  
Prerequisites: CET 105

### CET 115 Architectural Drafting and Computer Aided Design 4 Credits. 2 Lecture Hours. 4 Lab Hours.

A course on applying architectural drafting techniques and computer aided design concepts. Topics include: building codes, building materials, and fundamentals of CAD software. Students prepare residential working drawings.  
Prerequisites: None

### CET 117 Construction Risk Management and Insurance 4 Credits. 4 Lecture Hours. 0 Lab Hour.

A course on insurance for the construction management process. Topics include: financial risk planning, risk management, insurance markets, property insurance, contractual risks and transfer, forms of liability insurance (commercial, employers, environmental, management, and professional), and workers' compensation.  
Prerequisites: None

**CET 120 Advanced Computer Aided Design: Revit Architecture**  
**4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on CAD techniques that apply building information modeling using Revit Architecture. Topics include: layouts, dimensioning, blocks, and hatching.

Prerequisites: CET 115

**CET 125 Statics and Strength of Materials (CET)**

**4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on applying physical principles to solve problems of equilibrium and behavior in civil engineering structures. Topics include: force resultants, equilibrium, truss analysis, direct stress, bending stress, beam behavior, and combined stress.

Prerequisites: MAT 121 or appropriate placement test score

**CET 127 Environmental and Legal Issues in Construction**

**4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A course on environmental and legal issues affecting construction safety. Topics include: stormwater pollution prevention plans, asbestos abatement, disturbance and abatement of lead-containing materials, silica exposure, EPA regulations, multi-employer worksite rules, intentional torts, safety violations, and union contracts.

Prerequisites: None

**CET 130 Building Codes and Materials**

**3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on building code requirements and their applications to designing and constructing building projects. Topics include: Ohio building, mechanical, electrical, and plumbing codes; and building materials used in construction such as steel, wood, masonry, and concrete.

Prerequisites: CET 115

**CET 133 Home Inspection - American Society of Home Inspectors**

**5 Credits. 2 Lecture Hours. 6 Lab Hours.**

A course that meets requirements for the American Society of Home Inspectors (ASHI) 120-hour home inspection course. Topics include: standards and reports, exterior cladding, exterior structures, roofing and foundations, interiors, electrical systems, heating, air conditioning, and plumbing. Students participate in field inspection lab activity and take a certification exam. A comprehensive final score of 70% is required to pass the course.

Prerequisites: None

**CET 135 Construction Estimating**

**3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on quantifying various components of a commercial project using a complete set of working drawings and specifications. Topics include: blueprint reading, specification analysis, construction methods and materials, and proper estimating communication practices.

Prerequisites: MAT 120, or appropriate placement test score

**CET 137 Construction Safety Plan Management**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on developing construction safety plans. Topics include: essential elements of a safety program; best practices, legal, and regulatory requirements related to safety planning; substance abuse programs; accident investigations; contractor management; and crisis management and planning.

Prerequisites: None

**CET 147 Safety Training Workshops**

**1 Credit. 1 Lecture Hour. 0 Lab Hour.**

Students participate in construction training workshops that provide fundamental instruction in safety methods and practices. Workshops must be approved by the program chair.

Prerequisites: Program Chair consent

**CET 150 Building Technology Studies: Advanced Standing**

**1-30 Credits. 0 Lecture Hour. 0 Lab Hour.**

Students complete courses or programs that develop expertise in skills related to the building trades.

Prerequisites: Program Chair consent

Instructor Consent Required

**CET 191 Part-Time Cooperative Education 1: Civil Engineering Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

**CET 192 Part-Time Cooperative Education 2: Civil Engineering Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their second part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CET 191

**CET 193 Part-Time Cooperative Education 3: Civil Engineering Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their third part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CET 192

**CET 194 Part-Time Cooperative Education 4: Civil Engineering Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fourth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CET 193

**CET 195 Part-Time Cooperative Education 5: Civil Engineering Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fifth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CET 194

**CET 196 Part-Time Cooperative Education 6: Civil Engineering Technology****1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their sixth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CET 195

**CET 198 First Year Special Topics in Civil Engineering Technology****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Civil Engineering Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

**CET 199 First Year Independent Project in Civil Engineering Technology****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Civil Engineering Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Civil Engineering Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor consent

**CET 200 Structural Design****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on methods for evaluation and design of structural steel and reinforced concrete members, using AISC and ACI requirements. Topics include: design methodologies focused on bending moment behavior, tension and compression behavior, shear behavior, and connections; and common field testing techniques for concrete.

Prerequisites: CET 125

**CET 205 Architectural Design and 3D Modeling: Revit Architecture****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on architectural details and information required in a complete set of professional working drawings for an office or commercial building. Topics include: using CAD design software and Revit Architecture.

Prerequisites: CET 120

**CET 210 Lighting and Electrical Systems Design****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on fundamental concepts for lighting and electrical design in commercial buildings. Topics include: creating sets of drawings in AutoCAD and Revit Architecture, and using the National Electric Code.

Prerequisites: CET 120

**CET 211 Advanced Revit 1****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on understanding concepts of mechanical systems and preparing details of mechanical systems layouts using Revit software.

Prerequisites: CET 120

Corequisites: CET 205

**CET 212 Advanced Revit 2****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A continuation of CET 211. Topics include: understanding concepts of electrical, plumbing, and fire protection systems; and preparing details of electrical, lighting, plumbing, and fire protection systems layouts using Revit software.

Prerequisites: CET 211

**CET 215 Mechanical and HVAC Systems Design****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on fundamental concepts of mechanical and HVAC design for commercial buildings. Topics include: creating sets of design drawings using AutoCAD and Revit, and Ohio mechanical and plumbing codes.

Prerequisites: CET 120

**CET 220 3D Modeling: Revit MEP and Revit Structure****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on applying design concepts and preparing details of mechanical and electrical systems, plumbing, and structure in buildings using Revit MEP and Revit Structure software.

Prerequisites: CET 205

**CET 225 Building Construction****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on how buildings and structures are assembled. Topics include: methods and materials for residential, commercial, industrial, and highway construction including wood frame, masonry, pre-engineered metal, tilt-up, and high-rise construction; building codes; zoning regulations; and footing design.

Prerequisites: None

Ohio Transfer Assurance Guide Approved

Ohio Career-Technical Assurance Guide Approved

**CET 230 Construction Management****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course that examines current concerns in construction management. Topics include: project delivery systems, contract types, and using Web-based software for daily project management.

Prerequisites: CET 135

**CET 235 Construction Scheduling****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on preparing precedence diagram CPM schedules and calculating the critical path, including start-to-start and finish-to-finish relationship types with lag. Topics include: using scheduling software, fast-tracking, reverse phase scheduling, and revising and updating schedules.

Prerequisites: CET 135

**CET 240 Cost Engineering****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on how budgets evolve as projects move from pre-design through construction. Topics include: types of estimates employed at each phase, formulating unit prices, time value of money and true profit, cash flow, cost indices, and using estimating software.

Prerequisites: CET 135

**CET 245 Building Information Models for Construction****2 Credits. 1 Lecture Hour. 3 Lab Hours.**

A course on using building modeling software for construction management tasks such as estimating, trade coordination, and scheduling. Topics include: parameter creation, quantity takeoff, estimation, interference checking, and timeline visualization.

Prerequisites: CET 120

**CET 250 Route Location and Design****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on highway design criteria and standards. Topics include: design and layout of horizontal curves, verticals, and spirals; superelevation use; typical sections; and boundary, area, and right-of-way determination. Students complete outdoor field exercises and computer lab exercises.

Prerequisites: CET 110

**CET 251 Elements of Land Surveying 1****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on fundamental concepts and techniques of land boundary surveying. Topics include: records research, state minimum standards, monumentation of corners, and simple plats and legal descriptions. Students must complete field exercises.

Prerequisites: CET 110

**CET 252 Elements of Land Surveying 2****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A continuation of CET 251. Topics include: sequential and simultaneous boundaries, riparian and littoral boundaries, public land surveys, easements, and legal principles of property relating to surveyors.

Prerequisites: CET 251

**CET 255 Land Information Modeling****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on concepts and techniques of land modeling. Topics include: mapping, using geographic information system software, advanced digital terrain modeling, 3D laser scanning, LIDAR, high-definition surveying, and 3D site modeling for visualization and machine-control projects.

Prerequisites: CET 110

**CET 260 Control Surveying****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course in concepts and techniques of control surveying. Topics include: basic geodesy, state plane coordinate concepts and calculations, establishing horizontal and vertical control, GPS positioning, and network adjustment. Students complete outdoor field exercises and computer lab exercises.

Prerequisites: CET 110

**CET 265 Subdivision Design and Drainage Control****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on applying land surveying and civil engineering design principles to land development projects. Topics include: subdivision regulations, zoning regulations, lot layout, street layout, utility design, drainage, and site grading. Students create a set of subdivision drawings to meet local standards.

Prerequisites: CET 255

**CET 266 Surveying History in Ohio, Kentucky, and Indiana****4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A course on the history of surveying in Ohio, Indiana, and Kentucky, including the original surveys in these states.

Prerequisites: Admitted to the Advanced Surveying Certificate (ASC) or Land Surveying Certificate (LSC), or Program Chair approval

**CET 267 Surveying Laws and Ethics****4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A course on surveying law and professional ethics in Ohio, Indiana, and Kentucky, including legislation and regulations affecting land surveyors in these states.

Prerequisites: Admitted to the Advanced Surveying Certificate (ASC) or Land Surveying Certificate (LSC), or Program Chair approval

**CET 270 OSHA 30 for Construction****2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course for workers and employers on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces in the construction industry. Topics include: workers' rights, employer responsibilities, how to file a complaint, and other information required to receive OSHA 30 certification by the U.S. Department of Labor's Occupational Safety and Health Administration.

Prerequisites: None

**CET 277 Survey Calculations and Statistics****4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A course on survey calculations employing statistical concepts. Topics include: descriptive and inferential statistics, advanced coordinate geometry methods, least squares adjustment, and error theory.

Prerequisites: Admitted to the Advanced Surveying Certificate (ASC) or Land Surveying Certificate (LSC), or Program Chair approval

**CET 280 Civil Engineering Technology Architectural Capstone****4 Credits. 2 Lecture Hours. 6 Lab Hours.**

Students design a one-story commercial building with complete, integrated building systems for architectural, mechanical, and electrical systems; apply multiple appropriate codes; and create sets of drawings using AutoCAD and Revit software as appropriate.

Prerequisites: CET 205 and CET 210 and CET 215

**CET 285 Civil Engineering Technology Construction Management Capstone****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

Students respond to a request for construction management services and complete a project that demonstrates integrated competencies in estimating, scheduling, communicating, and teamwork.

Prerequisites: CET 230 and CET 235

**CET 287 Geospatial Surveying****4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A course on surveying using geospatial methods. Topics include: satellite positioning, geographic information systems, remote sensing, and laser scanning.

Prerequisites: Admitted to the Advanced Surveying Certificate (ASC) or Land Surveying Certificate (LSC), or Program Chair approval

**CET 290 Civil Engineering Technology Surveying Capstone****3 Credits. 1 Lecture Hour. 6 Lab Hours.**

Students complete a project that demonstrates integrated competencies in surveying and mapping, including data collection, field work, computer laboratory work, and use of conventional and GPS equipment.

Prerequisites: CET 251

**CET 291 Full-Time Cooperative Education 1: Civil Engineering Technology****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

**CET 292 Full-Time Cooperative Education 2: Civil Engineering Technology**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CET 291

**CET 293 Full-Time Cooperative Education 3: Civil Engineering Technology**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their third full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CET 292

**CET 294 Internship 1: Civil Engineering Technology**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CET 100

**CET 295 Internship 2: Civil Engineering Technology**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CET 294

**CET 298 Second Year Special Topics in Civil Engineering Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Civil Engineering Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

**CET 299 Second Year Independent Project in Civil Engineering Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Civil Engineering Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Civil Engineering Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval