

CONSTRUCTION TECHNOLOGY CAREER PROGRAM, AS

Program code: CTEC-AS

Location: Norwalk, Three Rivers

Program Description

This program is locally specialized as it provides technical knowledge for individuals interested in active participation in building our communities. Graduates are prepared for careers in the construction industry as construction managers, project superintendents, and building officials.

Learning Outcomes

1. Identify commonly used building materials.
2. Develop basic business and accounting skills.
3. Understand the different methods of construction, structural and mechanical systems, and surveying equipment.
4. Understand and analyze construction contract documents and calculate construction estimates.
5. Read and interpret blueprints.
6. Develop technical communication skills for effective collaboration and cooperation with other students, instructors, clients, and other stakeholders.

The Construction Technology degree program will be lecture and studio based. The program will also provide hands-on building opportunities. For example, how to build formwork, tie rebars for footing, and calculating the number of cubic yards of concrete required. Furthermore, the class will teach about construction methods while maintaining building code requirements. Other opportunities will include creating sustainable building forms using advanced framing methods and using superior wall construction as the method to eliminate construction waste.

Degree Requirements

Code	Title	Credits
General Education Courses		
ENG 1010	Composition	3
ENG 1020	Composition II and Literature	3
MATH 1600	College Algebra	3
PHYS 1201	General Physics I	4
ARCH 1002	Architecture of the World	3
COMM 1301	Public Speaking	3
CCS 1001	College and Career Success	3
Program Requirements		
ACCT 1130	Principles of Financial Accounting	3
ARCH 1008	Construction Materials and Methods	3
ARCH 1129	Fundamentals of Construction Management	3
ARCH 2010	Site Design	3
ARCH 2015	Construction Documents	3
ARCH 2029	Structures	3
ARCH 2229	Construction Estimating	3
BUSN 1100	Introduction to Business	3

BUSN 1150	Business Software Applications	3
BUSN 2100	Business Communication	3
CAD 1140	Architectural CAD	3
Elective - Choose any General Education Elective		3
Elective - Choose a Construction course or Internship		3
Total Credits		61