

Construction Technology

PROGRAM DESCRIPTION:

The Construction Technology class is a two-year program operated jointly by the Skills Center and Clark College. Students completing the first and second year with a grade of “B” or higher, are eligible for credits from Clark College. An additional course work at Clark College will lead to an Associate of Applied Science Degree.

Students enrolled in the Construction Technology program will learn the following during a two year program:

- ◆ Shop and job site safety
- ◆ Construction mathematics and measuring
- ◆ Tool safety and usage
- ◆ Building plans design
- ◆ Building Codes
- ◆ Building materials
- ◆ Cost estimation
- ◆ Build a shed
- ◆ Build a scale model house
- ◆ Build a large structure such as a house, shop, barn, etc. (2nd year)
- ◆ Professionalism skills

PROGRAM BENEFITS:

- ◆ 3 High School credits
- ◆ Competency Certificate
- ◆ Leadership and competition opportunities through Skills USA
- ◆ Entry level job skills
- ◆ Preparation for next level of education/training
- ◆ Opportunity for scholarships
- ◆ Successful completion of first and second year with a grade of “B” or better, makes student eligible for college credit
- ◆ Possible job placement upon graduation
- ◆ Considered a pre-apprenticeship program for several union and non-union apprenticeship programs.

INDUSTRY CERTIFICATION:

- ◆ National certification: National Center for Construction Education and Research (NCCER)

PREREQUISITES:

- ◆ Student must indicate a career interest in construction related occupations
- ◆ Participation in Orientation/Interview at the Skills Center
- ◆ Math competency in addition, subtraction, multiplication, division, and fractions highly recommended
- ◆ Reading at the 9th grade level
- ◆ Good attendance
- ◆ Student must enjoy working outdoors, in all types of weather, with hands-on projects
- ◆ Want to work in teams while developing communication and interpersonal skills
- ◆ Application process for second year students requires successful completion of the first year program along with instructor(s) recommendation.

STUDENT COSTS:

- ◆ Family medical insurance or student accident insurance is required. Student accident insurance is available through the Skills Center or sending school.
- ◆ Students will need to purchase tools and tool bags.
- ◆ Work clothes and work boots required.
- ◆ Rain gear recommended.
- ◆ Lab fee (based on materials used)

ORGANIZATIONS:

- ◆ Membership in Skills USA
- ◆ National certification: National Center for Construction Education and Research (NCCER)

LAB TIME/THEORY TIME:

Approximately 20 percent theory and 80 percent lab

HOMEWORK:

One or two hours each week

CAREER OPPORTUNITIES:

- ◆ Apprenticeship in various trades (carpenter, concrete, roofing, electrical, plumbing, etc.)
- ◆ Exterior siding and trim
- ◆ Interior finish
- ◆ Remodeling
- ◆ Decks and fences
- ◆ Stair construction
- ◆ Cabinets
- ◆ Inspector
- ◆ Project manager
- ◆ Contractor