

Construction Technology

This program will soon be certified by the National Center for Construction Education and Research (NCCER). The NCCER curriculum and materials are used in all CT classes. When certified students will test online with the NCCER National registry and earn credits and certificates that will transfer to any NCCER certified program national wide.

Construction Technology Fundamentals

10TH GRADE

1 YEAR, 1 CREDIT

Students in this introductory course will learn methods, techniques, and principles used in the construction trades. Students will complete the "Core Curriculum" which provides training in basic safety skills, construction math, hand tools, power tools, reading blueprints, basic rigging skills, communication, and employability skills. This course is the foundation for all NCCER courses. Students completing this course are elected to continue the program through their senior year with the Instructors approval.

Construction Technology I

11TH GRADE

1 YEAR, 2 PERIODS, 2 CREDITS

PREREQUISITES:

CT FUNDAMENTALS

TEACHER RECOMMENDATION

This two period block course will study carpentry skills first semester, such as: flooring systems, framing, concrete and reinforcing, doors, windows, and stair layout. The second semester students examine plumbing materials and techniques, plumbing drawings, supply and waste systems, and attain skills in assembling and repairing plumbing fixtures and systems. Students will on occasion take field trips to industry and construction sites for observation of various techniques by actual tradesmen. Students will also participate in the construction of projects on and off campus throughout the year as time allows

Construction Technology II

12TH GRADE

1 YEAR, 3 PERIODS, 3 CREDITS

PREREQUISITES:

CONSTRUCTION TECHNOLOGY I

TEACHER RECOMMENDATION

This year plumbing will be taught in the first semester of CT II due to changes in the construction technology programs state-wide. This is the same curriculum and subject matter used in CT I. Second semester senior CT students will begin their study in electrical wiring. Topics such as electrical safety, bending and installing conduit, electrical theory, electrical materials, and wiring systems will be taught and practiced. Students will take field trips to observe tradesmen in action and will work both on and off campus on various construction projects during the year as time allows.

CT II is a three period block course, in which students regularly complete off campus projects within the Marion community.

