



FOR MORE INFORMATION

To schedule your campus visit or to request application materials, contact:

**The Ohio State University
Agricultural Technical Institute**

Office of Admissions

1328 Dover Road

Wooster, Ohio 44691-4000

(216) 264-3911

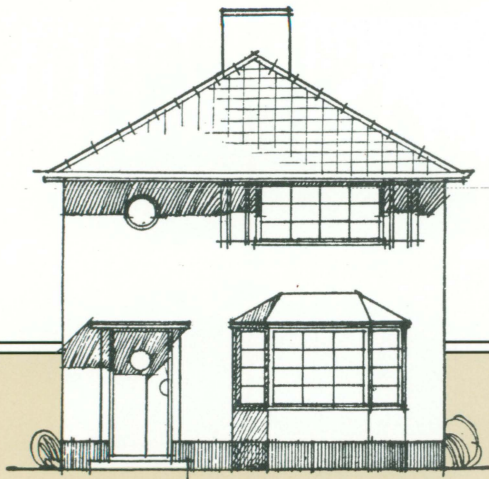
(800) 647-8283 (Ohio only)

All educational programs conducted by The Ohio State University College of Food, Agricultural, and Environmental Sciences are available to clientele on a nondiscriminatory basis without regard to race, color, creed, religion, sexual orientation, national origin, gender, age, disability, or Vietnam-era veteran status.

CONSTRUCTION

THE OHIO STATE UNIVERSITY
AGRICULTURAL TECHNICAL INSTITUTE





Homes sweet homes...

As you take your final look at the construction plans and step back to admire your work, there is a sense of accomplishment. You started from the ground up and worked on this project to completion. Now you will move on to your next project: designing and building another home. At The Ohio State University Agricultural Technical Institute in Wooster, Ohio, we prepare you for a successful and financially-rewarding career in the construction industry.

Build a solid foundation...

At Ohio State ATI, you gain the tools to build a secure future in one of the nation's leading industries. Ohio State ATI's Associate of Applied Science degree program offers you quality instruction in the principles of construction, taught by award-winning faculty. Students learn building materials and techniques, sitework and planning, plumbing, heating, electrical wiring, estimating, and construction management. The use of computers throughout the curriculum exposes you to current industry software, computer-aided design (CAD), drafting, scheduling, and estimating programs.

Nail down a promising career...

As a graduate of Ohio State ATI, you are prepared for a career as a job site superintendent, project manager, estimator, or a manufacturer's or sales representative. Some graduates operate their own construction companies or become building officials. Over 97 percent of Ohio State ATI graduates find employment within four months of graduation.

FACILITIES

Ohio State ATI's laboratory settings provide the opportunity for students to apply the principles and theories learned in the classroom. Students work with equipment typically owned by the small contractor and develop a familiarity with the tools and terminology of the trade.

INDUSTRY ACTIVITIES

Industry involvement occurs on many levels, beginning with the Construction Industry Advisory Committee which works closely with faculty and staff to develop and update the technical and general studies curriculum. Through the Ohio State ATI Construction Club, students attend the National Association of Homebuilders (NAHB) Remodelers' Show and the Builders' Show. Students also compete in contests sponsored by the NAHB. In addition, students have enhanced and shared their skills by working with disaster relief organizations in Iowa, Florida and South Carolina.



SAMPLE COURSE SCHEDULE

FIRST YEAR

Autumn Quarter
Building Construction I
Basic Technical Graphics and
CAD
Technical Mathematics I
Developing Written
Expression
Personal and Career
Orientation

Winter Quarter

Building Construction II
Technical Mathematics II
Technical Physics I
Microcomputer Applications
Word Processing Applications
Spreadsheet Applications
Business Communication

Spring Quarter

Sitework Planning and
Construction
Construction Internship
Essentials of Oral
Communication
Social Science Elective

Summer Quarter

Construction Internship

SECOND YEAR

Autumn Quarter
Plumbing, Heating and
Ventilation
General Economics
Technical Elective
Business Elective
Social Science Elective

Winter Quarter

AC Power, Wiring and
Equipment
Estimating and Bidding
Introductory Chemistry I
Business Elective
Social Science Elective

Spring Quarter

Construction Management
Problem Solving Using
Systems Approaches
Real Estate Dynamics
Technical Physics II
Business Elective

THE CURRICULUM

Ohio State ATI's Construction program provides a balanced curriculum consisting of technical and general courses. This combination, along with small classes and individual attention, prepares students to immediately meet the needs of industry upon graduation.

The Associate of Applied Science degree requires successful completion of a minimum of 105 quarter credit hours of technical and general studies.

Technical courses include the study of basic technical graphics and computer-aided design (CAD); building construction; sitework planning and construction; plumbing, heating and ventilation; AC power wiring and equipment; estimating and bidding; construction management; and real estate dynamics. Business courses are also included in the curriculum. A minimum of 59 quarter credit hours are required in technical courses.

Construction students also complete 46 credit hours of general studies which include written and oral communication, social sciences, mathematics, and chemical and physical sciences.

PRACTICAL EXPERIENCE

Most Construction courses have practical labs to reinforce classroom learning. Though the program's intent is not to produce craftsmen, students gain occupational experience through lab activities such as placing concrete, framing walls, making pipe connections, and wiring electrical circuits. Other activities include field trips to construction sites to view current construction practices and visits to facilities which produce construction materials.

INTERNSHIP

Ohio State ATI Construction students are on the job before they graduate by completing a 16-week, full-time occupational internship. Students are employed by construction businesses and are trained by their employers. They gain experience in all phases of construction, are paid for their employment, graded on their performance and receive academic credit. Most students work in the skilled trades during their internships. Students frame homes, place concrete, build cabinets, remodel homes, and paint. Some gain management experience by assisting employers with estimates and project development. Ohio State ATI helps students find appropriate internship positions in Ohio and other states.

