

AGRICULTURAL TECHNOLOGY

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The Agriculture Associates degree program is designed to provide students with practical education in an increasing demand field. The first-year students will learn fundamental Agronomy and Agriculture Business aspects to provide a foundation for their second-year of the curriculum. In the second year, students will apply first year course work to actual farmer field data to learn skills necessary for local career pathways. The curriculum prepares graduates for careers in soil and water conservation, field application, agronomic consultant technician, and agriculture sales.

While completing the certificates and associates degree, the students will acquire fundamental information about Ohio's agricultural soil variation and associated cropping practices, agriculture product sales and return on investment evaluation, and apply those principles to technical skills in creating prescription maps from laboratory and field-based results.

These courses prepare students for contemporary and emerging agriculture career pathways.

This technical agriculture program provides a strong foundation for students who wish to earn pesticide application and crop advisor certifications.

Program Learning Outcomes

Upon completion, the student will be able to:

1. Communicate effectively in both written and oral form with coworkers, customers, and others in and about agriculture.
2. Locate and use information and numerical data in solving problems related to agriculture.
3. Research, design, and use best practices to create environmentally sustainable, productive, and economically viable solutions to agricultural problems and challenges.
4. Demonstrate initiative, leadership, and planning in building professional relationships in the community, and workplace.

Technical Standards

See here for details.

Tech Prep Partner

See here for details.

Agriculture Technology Associate of Applied Science

First Year

First Semester	Hours
AGR 1000 Introduction to Agriculture	3
AGR 1402 Principles of Crop Management	3
AGR 1404 Introduction to Integrated Pest Management	3
AOT 2640 Spreadsheet Software and Applications	3
COM 1110 English Composition	3

SDE 1010 First Year Experience	1
Term Hours	16

Second Semester

AGR 1100 Principles of Agricultural Business Management	3
AGR 1401 Introduction to Soils for Agronomic Production	3
AGR 1403 Principles of Nutrient Management	3
AVI 1000 Unmanned Aerial Systems	3
MTH 1260 Statistics	3
Term Hours	15

Third Semester


AGR 2991 Field Experience	1
SOC 1010 Sociology	3
Term Hours	4

Second Year

First Semester

AGR 1300 Principles of Agricultural Marketing and Sales	3
CHM 1110 Introductory General Chemistry	4
TECHNICAL ELECTIVE	3
TECHNICAL ELECTIVE	3
Term Hours	13

Second Semester

BIO 1310 Environmental Science I	3
AGR 2970  Agriculture Technology Capstone	1
TECHNICAL ELECTIVE	3
TECHNICAL ELECTIVE	3
TECHNICAL ELECTIVE	3
Term Hours	13

Total Hours 61

Approved Technical Course Electives

Code	Title	Hours
AGR 1200	Sustainable Agriculture	3
AGR 1405	Integrated Weed Management	3
AGR 1500	Precision Agriculture Equipment	3
AGR 1501	Prescription Mapping in Agriculture	3
AGR 1502	Agricultural Mechanics and Systems Technology	3
AGR 1515	Introduction to GPS in Agriculture	3
AGR 1540	Introduction to GIS in Agriculture	3
AGR 1700	Technology for Livestock Management	3
AIM 1000	Introduction to Artificial Intelligence	3
AVI 1200	Unmanned Aerial Systems Basic Operation	3

 Capstone