

**Program Number 31-006-2
Technical Diploma • Two Terms**
ABOUT THE PROGRAM

If a career in agriculture is in your future, this program will help you to prepare to manage a successful agribusiness operation. You will gain experience in agricultural production management and technology, as well as management principles, finance, sales, economics, crop production, and animal fundamentals.

PROGRAM OUTCOMES

- Apply relevant technologies.
- Investigate opportunities in agribusiness.
- Interact as a professional in agribusiness.

CAREER AND EDUCATION ADVANCEMENT OPPORTUNITIES

Lakeshore credits transfer to over 30 universities. For more information visit lakeshore.edu/future-students/transfer.

ADMISSIONS AND FIRST SEMESTER ENROLLMENT STEPS

- Submit online application.
- Complete the online Student Success Questionnaire.
- Complete Get Started at Lakeshore appointment:
 - Application Check-in
 - College Orientation Overview
 - 1st Time Program Registration

**Submit high school transcripts, college transcripts, and test scores (optional, highly recommended). Official transcripts will be needed for transferring college credit(s) and for financial aid purposes.*

ACADEMIC PREPAREDNESS/FUTURE SEMESTER ENROLLMENT STEPS

If applicable, complete program-specific academic preparedness requirements and enrollment steps prior to enrolling in occupational or core courses. Students will be notified if there is a program waitlist. View the college's program webpage for details: <https://lakeshore.edu/programs-and-courses/career-areas/agriculture-food-natural-resources/agriculture-technician>.

APPROXIMATE COSTS

\$152.85 per credit tuition (WI resident) plus \$9.17 per credit student activity fee. Material fee varies depending on course. Other fees vary by program. Visit lakeshore.edu/Financial-Aid/tuition-and-fees for details.

FINANCIAL AID

This program is eligible for financial aid. Visit lakeshore.edu/Financial-Aid for more information.

SPECIAL NOTES

- To experience technology and demonstrations in the industry and classroom, students should have transportation and participate in-person. Through PAS (Professional Agriculture Students), students participate in competitions and activities.
- Learn when you want. Progress at your own pace. Receive personalized coaching and support. The full CBE definition may be found at lakeshore.edu/cbe.
- Out-of-district students and working adults are able to take the program online, which also includes the expectation to complete assigned labs, technology exploration, and demonstrations.
- Agriculture Management Technician graduates have the opportunity to complete Agribusiness Science and Technology Associate degree with one additional year of college.

CONTACT

Lakeshore College Recruiter
920.693.1366 • Recruitment@lakeshore.edu

Catalog No.	Class Title	Credit(s)
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Term 1

10006200	Introduction to Animal Science*	3
10006201	Introduction to Soil Science*	3
10006202	Ag Employability and Professionalism*	3
10101150	Office Accounting*	3
10006203	Nutrition Principles*	3
		15

Term 2

10091122	Agricultural Industry Internship 1**	1
10006205	Agricultural Finance*	2
10006206	Livestock Production Systems and Management*	2
10006207	Principles of Crop Production*	2
10809144	Macroeconomics	3
10801196	Oral/Interpersonal Communications	3
10006208	Equipment, Structure, & Power Systems*	3
		16

TOTAL 31

*CBE delivery only

**All students (online and in-person) work with instructor to select an appropriate internship based on their career goals.

Curriculum and program acceptance requirements are subject to change. Program start dates vary; check with your academic counselor for details. The tuition and fees are approximate based on 2025-2026 rates and are subject to change prior to the start of the academic year.

AG EMPLOYABILITY AND PROFESSIONALISM...prepares the student for a career by covering personality assessments, advocacy, networking, job shadowing, stress management, career exploration, problem solving, and business etiquette. It also emphasizes leadership and conflict resolution skills through UWEX Employer of Choice certification. The culmination is the creation of a portfolio showcasing their preparedness for industry.

AGRICULTURAL FINANCE...introduces the student to the basics of agricultural financial management including securing credit, working with financial statements (balance sheet, income statement, cash flows, owner equity) and investment analysis. Additionally, students will perform basic financial analysis, calculate depreciation, and prepare amortization schedules. Students will learn the basics of agricultural accounting and will practice using basic accounting software programs. **PREREQUISITE:** 10101150 Office Accounting

AGRICULTURAL INDUSTRY INTERNSHIP 1...provides the students with the ability and skills to perform industry expectations. Each student will be provided a checklist of skills based on area of interest in agriculture production and will work with their employer to complete those skills. **COREQUISITE:** 10006202 Ag Employability and Professionalism

EQUIPMENT, STRUCTURE, & POWER SYSTEMS...introduces the student to trends and opportunities in mechanized agriculture. Students will learn how to work with electrical power and processing, structures and environment, and soil and water conservation engineering practices. Additionally, students will learn operating principles and maintenance of gas and diesel engines used in agriculture.

INTRODUCTION TO ANIMAL SCIENCE...provides animal science fundamentals including animal health, animal environments, anatomy and physiology, genetics and reproduction, animal feedstuffs, and animal-related safety.

INTRODUCTION TO SOIL SCIENCE...provides fundamentals of soil's physical properties, chemical properties, biological properties, soil formation, classification, essential nutrients and soil survey. There will be emphasis on soil and water conservation practices that can be used to reduce soil erosion.

LIVESTOCK PRODUCTION SYSTEMS AND MANAGEMENT...engages the student in the exploration and study of a variety of livestock management systems including feeding arrangements, health, marketing considerations, the use of computer systems, personnel issues, and financial impacts of management decisions. **PREREQUISITE:** 10006114 Intro to Animal Science or 10091102 Dairy Cattle Mgmt or **COREQUISITE:** 10091200 Intro to Dairy Cattle Mgmt

MACROECONOMICS...is an introductory course. Basic social choices regarding economic systems, basic economic aggregates, fiscal policy, the banking system, monetary policy, and international trade are the principle topics discussed in the course. Balance is drawn between theory, analysis, and a critique of the institutions that characterize modern mixed-capitalist economies. Conflicting social goals, economic constraints, and environmental concerns provide the framework through which the macroeconomy is analyzed. Discuss reading academic course support with your Counselor.

NUTRITION PRINCIPLES...introduces learner to the principles of nutrition as presented on a comparative species basis including characteristics, physiological functions, interrelationships, and deficiency symptoms as they pertain to carbohydrates, fats, proteins, mineral elements, and vitamins. **PREREQUISITE:** 10006114 Intro to Animal Science or 10091102 Dairy Cattle Mgmt or **COREQUISITE:** 10006200 Intro to Animal Science or 10091200 Intro Dairy Cattle Mgmt

OFFICE ACCOUNTING...introduces the learner to the principle of business and personal accounting, including journalizing, posting, year-end adjustments, report preparation and interpretation, payroll, and bank reconciliations.

ORAL/INTERPERSONAL COMMUNICATION...provides students with the skills to develop speaking, verbal and nonverbal communication, and listening skills through individual speeches, group activities, and other projects. Discuss reading academic course support with your Counselor.

PRINCIPLES OF CROP PRODUCTION...introduces students to the basics about grain, fruit, and vegetable crop production. Course topics include crop and soil nutrient management, use of commercial and manure fertilizers, purchase or lease options for land, tillage and conservation plans, cropping plans, managing nutrient waste, crop harvest and storage, and production records.