

**Program Number 31-091-1
Technical Diploma • Two Terms**
ABOUT THE PROGRAM

This program provides a foundation of knowledge and skills to manage dairy cattle and to navigate the ever-changing dairy industry. Students participate in hands-on learning with various dairy operations as they develop solid herdsman skills, proper management techniques, employability skills, and the ability to utilize technology to improve animal welfare and production. This program is perfect for those already working within the dairy community who are seeking to grow their knowledge; and it is great for those entering the dairy industry.

PROGRAM OUTCOMES

- Manage herd nutrition.
- Manage herd reproduction.
- Manage herd health.
- Demonstrate farm and herd record management.

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/dairy-herd-management>.

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 NOTE

- Each student will be assigned to a farm for supervised, on-the-job training. An internship agreement will be completed and signed by both the student and farm representative. Students will complete an on-farm placement survey. Students are eligible to receive national artificial insemination certification. To experience technology and demonstrations in industry, students are required to have transportation and participate in these lab activities throughout the year. Program students also have the opportunity to join PAS (Professional Agriculture Students) Organization and participate in their competitions and activities.
- If you would like an associate degree focusing on dairy business operations, the Dairy Business Management program may be your choice. Graduates of this Dairy Herd Management technical diploma attend an additional year of agribusiness classes to achieve this associate degree focusing on Dairy Business Management.
- 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.

CONTACT

Lakeshore College Recruiter
920.693.1366 • Recruitment@lakeshore.edu

Catalog No.	Class Title	Credit(s)
Term 1		
10091200	Introduction to Dairy Cattle Management*	3
10091201	Lactation Physiology and Management*	3
10006203	Nutrition Principles*	3
10006202	Ag Employability and Professionalism*	3
10091202	Dairy Reproductive Management*	3
10091122	Agricultural Industry Internship 1**	1
		16
Term 2		
10091204	Advanced Dairy Cattle Management*	3
10006218	Advanced Technology in Livestock Production*	3
10091205	Food Animal Production Issues and Advocacy*	1
10809144	Macroeconomics	3
10804113	College Technical Mathematics 1A	3
10091109	Agricultural Industry Internship 2**	1
		14
		TOTAL 30

*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.

ADVANCED DAIRY CATTLE MANAGEMENT...examines the principles of production and management in the modern dairy enterprise. Learner will integrate principles of herd health, nutrition, reproduction, milk production and overall management at the farm level. Learner will develop skills in decision making, information gathering, problem solving, and interpersonal communication with one-on-one site farm rotations and industry related demonstrations and field trips. PREREQUISITE: 10091102 Dairy Cattle Management or COREQUISITE: 10091200 Intro to Dairy Cattle Management

ADVANCED TECHNOLOGY IN LIVESTOCK PRODUCTION...exposes students to emerging technologies, processes, systems, and trends used in any aspect of livestock production including, but not limited to, the use of robotics and artificial intelligence, animal health monitoring systems, feeding systems, manure handling, records systems, product processing, and marketing. Experiences include demonstrations and visits to farms and agricultural business.

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 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

AGRICULTURAL INDUSTRY INTERNSHIP 2...provides the students with enhanced skills beyond Ag Industry Internship 1 that allow the student to improve on skills gained and meet more advanced industry expectations. Each student will continue to work with their employer to complete the checklist of skills used in Ag Industry Internship 1. PREREQUISITE: 10091104 On-Farm Internship 1 or COREQUISITE: 10091122 Ag Industry Internship 1

COLLEGE TECHNICAL MATHEMATICS 1A...prepares the student to solve linear, quadratic, and relational equations; graph; formula rearrangement; solve systems of equations; percent; proportions; and operations on polynomials. Emphasis will be on the application of skills to technical problems. Discuss math academic course support with your Counselor.

DAIRY REPRODUCTIVE MANAGEMENT...provides technical knowledge and practical skills to design and execute an effective reproductive management program in dairy cattle. Focus will be on key reproductive physiology and practical research results that underlie a successful breeding program. Topics include linear evaluation, selection indexes, anatomy, hormonal cycles, artificial insemination, estrus detection, estrus synchronization, genomics, and advanced genetic techniques. AI industry certification is offered during course.

FOOD ANIMAL PRODUCTION ISSUES AND ADVOCACY...prepares students to be advocates for the food animal production industry. With agriculture becoming more publicized and scrutinized every day, students will learn how to promote and apply these concepts within the industry. Students will learn skills to talk and respond to issues that the food animal production industry faces.

INTRODUCTION TO DAIRY CATTLE MANAGEMENT...introduces the student to herd health and preventative medicine through understanding cow behavior, signs of illness, metabolic disorders, infectious disease, vaccination programs, and herd records to develop and implement a herd-health protocol. Students will learn and use basic tools and equipment of a herd health program and will earn the Dairy Care 365 Certificate.

LACTATION PHYSIOLOGY AND MANAGEMENT...introduces the student to the process of how milk is produced and how to harvest it for a maximum profit to the farmer, including the major principles of milk secretion, the anatomy and physiology of the udder, milk letdown, proper milking practices, mastitis, efficient milking systems, and how to properly milk cows as well as treat and prevent udder infections.

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