

## ABOUT THE PROGRAM

Develop the skills for success in the dairy industry with goals such as directly owning or managing a dairy farm or employment in one of the many supportive fields of the dairy industry. 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. Students participate in hands-on learning with various dairy operations as they develop solid herdsperson skills, proper management, and the ability to utilize technology to improve animal welfare and production. Students gain a solid understanding of how to run an efficient and profitable business operation.

## PROGRAM OUTCOMES

- Manage herd nutrition.
- Manage herd reproduction.
- Manage herd health.
- Demonstrate farm and herd record management.
- Develop a business and transition plan.
- Apply economic and marketing strategies.
- Manage farm financials.

## CAREER AND EDUCATION ADVANCEMENT OPPORTUNITIES

LTC credits transfer to over 30 universities. For more information visit [gotoltc.edu/future-students/transfer](http://gotoltc.edu/future-students/transfer).

## ADMISSIONS AND FIRST SEMESTER ENROLLMENT STEPS

- Submit online application.
- Complete the online Student Success Questionnaire.
- Ensure enrolled in or graduate of Dairy Herd Management program.
- Schedule your 1st Time Program Counseling/Registration Session with your assigned program counselor to plan your first semester schedule, review your entire plan of study and discuss the results of the Student Success Questionnaire.

*\*Submit transcripts and test scores (optional, highly recommended): College transcripts, along with high school transcripts and test scores from within the last five years, used for course registration. Official transcripts needed for transferring college credit(s) and for financial aid purposes.*

## FUTURE SEMESTER ENROLLMENT STEPS

- Complete online Student Success Tutorial prior to registering for second semester.

## APPROXIMATE COSTS

- \$146.20 per credit tuition (WI resident) plus \$8.77 per credit student activity fee. Material fee varies depending on course. Other fees vary by program. Visit [gotoltc.edu/financial-aid/tuition-and-fees](http://gotoltc.edu/financial-aid/tuition-and-fees) for details.

## FINANCIAL AID

This program is eligible for financial aid. Visit [gotoltc.edu/Financial-Aid](http://gotoltc.edu/Financial-Aid) or talk with your Admissions Advisor about how to apply for aid.

## SPECIAL NOTE

To experience technology and demonstrations in industry, students are required to have transportation and participate throughout the year. Students have the opportunity to join PAS (Professional Agriculture Students) and participate in competitions and activities. Terms 1 and 2 of this curriculum completes the Dairy Herd Management technical diploma. The Term 3 and 4 class schedule is provided in the iFlex format, which allows you to take courses online, face-to-face, or flex between the two. To participate synchronously in class using videoconferencing software, a minimum of 5Mb as well as audio and visual capabilities on your computer is required. Program students are eligible to be issued an LTC laptop while learning and applying the software applications. Online classes have the same expectations for completing labs, technology exploration, and demonstrations.

If you have completed the Agribusiness Science & Technology degree and wish to pursue this degree, you have completed some Term 1 and 2 course equivalents. Please work with your counselor to apply these dual credits.

## CONTACT

LTC Admissions Advisor  
 920.693.1162 • [Admissions@gotoltc.edu](mailto:Admissions@gotoltc.edu)

Catalog No.	Proposed Courses	Credit(s)
<b>Term 1</b>		
10091102	Dairy Cattle Management	3
10091103	Dairy Reproductive Management OR 10006124 Principles of Animal Breeding (3 cr) AND 10091135 Dairy Cattle AI Training (1 cr)	3
10091115	Nutrition Principles - Dairy	3
10091104	On-Farm Internship 1	1
10091117	Animal Records - Dairy	1
10804123	Math with Business Applications	3
		<b>14</b>
<b>Term 2</b>		
10091105	Dairy Feeding Management	3
10091106	Dairy Management Applications OR 10006141 Livestock Production Systems (3 cr) & 10091119 Dairy Mgmt Site Farm Exp. (1 cr)	3
10091107	Dairy Employability and Management	2
10091121	Alternative Dairy Systems Technologies	1
10091108	Quality Milk Production	3
10091109	On-Farm Internship 2	1
10091113	Dairy Issues and Advocacy	1
		<b>14</b>
<b>Term 3</b>		
10006112	Farm Business Management	3
10006146	Precision Ag Technologies	3
10809144	Macroeconomics	3
10809198	Intro to Psychology	3
10801196	Oral/Interpersonal Communication	3
		<b>15</b>
<b>Term 4</b>		
10006122	Principles of Crop Production	3
10006130	Ag Commodity Marketing	3
10006140	Legal Aspects of Agribusiness	3
10006110	Ag Finance & Accounting	3
10006128	Agribusiness Internship	2
10801136	English Composition 1	3
		<b>17</b>
		<b>TOTAL 60</b>

*Curriculum and program acceptance requirements are subject to change. Program start dates vary; check with your program counselor for details. The tuition and fees are approximate based on 2023-2024 rates and are subject to change prior to the start of the academic year.*

**AGRIBUSINESS INTERNSHIP...**provides the student the opportunity to choose from a broad variety of occupational experiences in the agribusiness industry. Student will work with faculty to develop a plan and to identify, coordinate, and evaluate work-associated learning experiences as they relate to the major career focus of the student. **PREREQUISITE:** 10006112 Farm Business Mng and **COREQUISITES:** 10006122 Prin of Crop Production, 10006124 Prin of Animal Breeding or 10091103 Dairy Reproductive Mng

**AGRICULTURAL COMMODITY MARKETING...**provides student with the fundamentals of agricultural commodity marketing including risk management, futures market structure and function, futures commodity contract specification, as well as futures trading procedures and strategies including hedging and options. Students will engage in practice commodity marketing using a real world simulator and follow commodity markets and determine sources of variability affecting the futures prices. **PREREQ:** 10006126 Agribusiness Economics or 10809195 Economics or 10006135 Agriculture Business Actgy

**AGRICULTURAL FINANCE AND ACCOUNTING...**introduces the learner 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:** 10006112 Farm Business Management or **CONDITION:** 310011 Horticulture Technician and **COREQUISITE:** 10804123 Math with Business Apps

**ALTERNATIVE DAIRY SYSTEMS TECHNOLOGY...**exposes students to emerging technologies, processes, systems, and trends used in any aspect of dairy farming including, but not limited to, the use of robotics, animal health monitoring systems, feeding systems, manure handling, record systems, milking systems, young animal care, dairy product processing, and marketing. Experiences include demonstrations and visits to farms and agricultural businesses. Students are required to drive or have appropriate transportation to attend these labs.

**ANIMAL RECORDS - DAIRY...**introduces learner to records management through hands-on applications including the set-up and use of computerized record-keeping software, completion of sample farm record problems utilizing computerized record-keeping systems, as well as the selection and implementation of various computerized record programs. Software tools, such as PCDART, CowManager, and DairyCOMP 305, will be utilized. **COREQUISITE:** 10091103 Dairy Reproductive Management

**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 herd health program, and will earn the Dairy Care 365 Certificate.

**DAIRY EMPLOYABILITY AND MANAGEMENT...**prepares students to be employees and/or managers on the dairy farm setting. Students will learn about setting goals to reach dairy industry benchmarks and develop appropriate dairy farm management and conflict-resolution skills through the UWEX Employer of Choice training. Team-building activities, mock interviews, and job shadowing will develop skills necessary for successful employment. Students will gather and organize all pieces of their portfolio upon completion of the program.

**DAIRY FEEDING MANAGEMENT...**provides the student with proper harvesting and storage practices to ensure the best forage for the cow's diet. Students will learn diet specifications for each step of the cow's life cycle, ration formulations, developing feed inventories, and maximizing resource allocations. **PREREQUISITE:** 10091115 Nutrition Principles - Dairy or 10006144 Nutrition Principles

**DAIRY ISSUES AND ADVOCACY...**prepares students to be advocates for the dairy 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 the skills to talk and respond to dairy farm issues that the industry faces.

**DAIRY MANAGEMENT APPLICATIONS...**provides students with information to build protocols for dairy farm management. Students will learn about the proper environment, health protocols, and the care of cows in each part of their life cycle. Dairy Beef Quality Assurance and the F.A.R.M. programs will also be utilized. One-on-one rotations to selected site farms allow students to learn and practice troubleshooting and problem-solving on the farm. **COREQUISITE:** 10091102 Dairy Cattle Management

**DAIRY REPRODUCTIVE MANAGEMENT...**prepares participants for the mating and breeding of the dairy herd. Topics include linear evaluation, selection indexes, anatomy, hormonal cycles, artificial insemination, estrus detection, activity monitors, and genomics. Live cattle for artificial insemination practices are featured.

**ENGLISH COMPOSITION 1...**designed for learners to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing and revising are applied through a variety of activities. Students will analyze audience and purpose, use elements of research, and format documents using standard guidelines. Develop critical reading skills through analysis of various written documents. **COREQUISITE:** Writing placement asmt or equiv AND Reading placement asmt or equiv

**FARM BUSINESS MANAGEMENT...**provides learner with basic business management practices including the development of a business plan, establishment of short and long range goals, identification and implementation alternatives for reaching goals, and development of strategies to monitor progress. The importance of designing a business mission statement based on goals is emphasized.

**INTRODUCTION TO PSYCHOLOGY...**introduces students to a survey of the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors, and social influences. It directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings. **COREQUISITE:** Reading placement assessment or equivalent

**LEGAL ASPECTS OF AGRIBUSINESS...**provides students with pertinent information of the legal liabilities and regulations of an agribusiness at the state and federal levels. Course content includes legal descriptions, contractual agreements, employee and consumer rights, insurance, debt collection, as well as bankruptcy and employment protection issues as regulated by DOL, OSHA and DWD. **COREQUISITE:** 10006130 Ag Commodity Marketing

**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. **COREQUISITE:** Reading placement assessment or equiv

**MATH WITH BUSINESS APPLICATIONS...**covers real numbers, basic operations, linear equations, proportions with one variable, percents, simple interest, compound interest, annuity, apply math concepts to the purchasing/buying process, apply math concepts to the selling process, and basic statistics with business/consumer applications. **COREQUISITE:** Math placement assessment or equivalent AND Reading placement assessment or equivalent

**NUTRITION PRINCIPLES - DAIRY...**instructs students in utilizing basic nutrition skills to analyze rations and complete basic ration formulations. This course introduces 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. **COREQUISITE:** 10804123 Math w Business Apps or 31804123 Math w Business Apps

**ON-FARM INTERNSHIP 1...**provides the student with the ability and skills to perform industry expectations as a dairy herdsman, including milking, feeding, calf care, scheduling, employer/employee communications, and general farm duties. Students work with their internship farm to complete the internship skills checklist. **COREQUISITE:** 10091115 Nutrition Principles-Dairy

**ON-FARM INTERNSHIP 2...**provides the student with enhanced skills, beyond the On-Farm Internship 1 course, to perform industry expectations as a dairy herdsman, including milking, feeding, calf care, scheduling, employer/employee communications, and general farm duties. Students work with their internship farm to complete the internship skills checklist. **PREREQUISITE:** 10091104 On-Farm Internship 1

**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. **COREQUISITE:** Reading placement assessment or equivalent

**PRECISION AG TECHNOLOGIES...**provides experiences to the student in agricultural precision technologies including bio-technologies, application industries, livestock equipment, precision farming, financial resource management, plant protection, sustainable agriculture, environmental impacts of agriculture, agricultural workforce, and agricultural production. To experience precision technology and demonstrations throughout the industry, students are required to drive or have appropriate transportation to attend labs.

**PRINCIPLES OF CROP PRODUCTION...**provides knowledge of crop and soil nutrient management, including use of both commercial fertilizers and manure. Course topics include purchase or lease options for land, agronomy consulting programs, tillage and conservation plans, soil nutrient plans, cropping plans, managing nutrient waste, crop harvest and storage and production records. **PREREQUISITE:** 10006116 Intro to Soil Science or 10091105 Dairy Feeding Management

**QUALITY MILK PRODUCTION...**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.