

### ABOUT THE PROGRAM

Of the 9,520 Wisconsin dairy farms, 96% are family-owned. The Dairy Business Management Individual Technical Studies (ITS) Associate Degree prepares individuals whose goal is to take over or manage a family dairy farm and to train those entering the dairy industry for the first time to become managers/owners. This program will expand on already learned hands-on skills and strengthen the business knowledge needed to be the manager/owner of a farm operation. The target audience for this ITS degree includes graduates of a dairy-related technical diploma and those currently employed as dairy workers who envision a transition to a dairy management related career.

### 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 First 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

- \$143.45 per credit tuition (WI resident) plus \$8.61 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 eligible to be issued a LTC laptop while learning and applying the software applications. Online classes have the same expectations 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

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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) AND 10091119 Dairy Management Site Farm Exp (1 cr)	3
10091107	Dairy Employability and Management	3
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
10809195	Economics	3
10809198	Introduction 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
10801195	Written Communications	3
		<b>17</b>

**TOTAL 60**

*Curriculum and Program Acceptance requirements are subject to change. Program start dates vary; check with your advisor for details. The tuition and fees are approximate based on 2022-2023 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 Management and **COREQUISITES:** 10006122 Principles of Crop Production, 10006126 Agribusiness Economics, 10006124 Principles of Animal Breeding or 10091103 Dairy Reproductive Management

**AGRICULTURAL COMMODITY MARKETING**...provides the 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. **PREREQUISITE:** 10006126 Agribusiness Economics or 10006135 Agribusiness Business Accounting

**AG FINANCE AND ACCOUNTING**...introduces learner to major aspects of agribusiness financial management through extensive problem solving, financial analysis and planning. Students will describe and calculate the sweet 16 ratios, business cash flows, inventory controls, budgeting and borrowing considerations of various types of agribusinesses. Relevant software tools will be introduced. **PREREQUISITE:** 10006112 Farm Business Management

**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 programs.

**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. DairyCare 365 and the F.A.R.M. program 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.

**ECONOMICS**...provides the participant with an overview of how a market-oriented economic system operates, and it surveys the factors which influence national economic policy. Basic concepts and analyses are illustrated by reference to a variety of contemporary problems and public policy issues. Concepts include scarcity, resources, alternative economic systems, growth, supply and demand, monetary and fiscal policy, inflation, unemployment and global economic issues. **COREQUISITE:** 10838105 Intro to Reading and Study Skills or Reading placement assessment equivalent or **CONDITION:** 610062 Agribusiness/Financial Basic program admissions met

**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. **PREREQUISITE:** Reading placement assessment equivalent or **COREQUISITE:** 10838105 Intro to Reading and Study Skills

**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

**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. **PREREQUISITE:** 10834109 Pre-Algebra or Math placement assessment equivalent and **COREQUISITE:** 10838105 Intro to Reading and Study Skills or Reading placement assessment 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 with 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:** 10838105 Intro Reading and Study Skills or Reading placement assessment 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 or 10001123 Site & Soil Analysis

**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.

**WRITTEN COMMUNICATION**...teaches the writing process, which includes prewriting, drafting, revising, and editing. Through a variety of writing assignments, the student will analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Keyboarding skills are required for this course. It also develops critical reading and thinking skills through the analysis of a variety of written documents. **PREREQUISITE:** 10831103 Intro to College Wrtg or Writing placement assessment equivalent and **COREQUISITE:** 10838105 Intro to Rdg & Study Skills or Reading placement assessment equivalent