



Dairy Herd Management

Program No: 31-091-1

Technical Diploma

Degree Completion Time: Two Terms

In general, an academic year consists of two terms; however, degree completion time may vary based on student scheduling needs and class availability.

2013-2014

Catalog No.	Class Title	Credit(s)	
			About the Career
			Operating a profitable and progressive dairy farm in today's agricultural climate involves learning to work smarter, not just harder. Successful operations are built on solid herdsman skills, effective management skills, and use of technology. If dairy farming is your career dream, completing LTC's Dairy Herd Management program is the way to turn your dream into reality.
			Careers
			<ul style="list-style-type: none"> • Herdsman • Dairy Herd Manager • Farm Owner • AI Technician • DHIA Supervisor • Feed and Nutrition Consultant
			Admissions Steps
			<ul style="list-style-type: none"> • Submit Application and \$30 Processing Fee • Complete an Assessment for Placement (Accuplacer or ACT) • Submit Official Transcripts (High School and Other Colleges) • Meet with Program Advisor • Complete Functional Ability Statement of Understanding Form • Complete On-Farm Placement and Release Form
			Program Outcomes
			You'll learn to: <ul style="list-style-type: none"> • Obtain actual on-farm experiences for your successful career path. • Perform the necessary duties of a herdsman in labs, internships, and at site farms. By the end of the program, you will be able to: <ul style="list-style-type: none"> • Milk cows • Feed and handle dairy cattle • Evaluate herd health and special needs cows • Care for youngstock and calf care • Obtain herd manager skills necessary for operating a profitable dairy herd. By the end of the program, you will be able to: <ul style="list-style-type: none"> • Make treatment decisions • Implement problem solving skills • Develop interpersonal skills
			Approximate Costs
			<ul style="list-style-type: none"> • \$132 per credit (resident) • \$198 per credit (out-of-state resident) • Other fees vary by program (books, supplies, materials, tools, uniforms, health-related exams, etc.)
			Certification
			Graduates of LTC's Dairy Herd Management program receive national AI certification.
			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.
			Functional Abilities
			Functional abilities are the basic duties that a student must be able to perform with or without reasonable accommodations. At the postsecondary level, students must meet these requirements, and they cannot be modified. Please view the Functional Abilities Statement of Understanding on the www.gotoltc.edu website (Future Students, Academics, Areas of Study, Dairy Herd Management).
			Placement Scores
			Accuplacer/ACT scores will be used to develop your educational plan. Please contact your program counselor/advisor at 920-693-1109.
			Grading Policy
			All program courses in the Agriculture Division must be passed with a grade of "C" or better for program graduation.
Catalog No.	Class Title	Credit(s)	
Term 1			
10091145	Agriculture Financial Applications	1.00	
10091101	Dairy Herd Management Skills	1.00	
31091348	Dairy Cattle Management OR 31091348C1 Dairy Cattle Mgmt - 2 cr AND 10006101 Animal Science 101	2.00	
10091160	Dairy Management Internship 1	3.00	
31091312	Dairy Feeding OR 31091312C1 Dairy Feeding - 2 cr AND 10006101 Animal Science 101	3.00	
31091318	Dairy Lab I	2.00	
31091324	Milk Production	2.00	
31091335	Dairy Cattle Genetics and Reproduction	3.00	
31804356	Math for Agriculture Management	2.00	
31809362	Psychology for Life OR 31809363 Challenging Issues (1.00 credit)	1.00	
	Total	20.00	
Term 2			
31801359	Communication Skills for the Workplace	2.00	
31091344	Dairy Business Management	2.00	
10091161	Dairy Management Internship 2	3.00	
31091314	Dairy Feeding Management	3.00	
31091320	Dairy Lab II	2.00	
31091332	Dairy Cattle Industry and Applications	3.00	
31091340	Dairy Housing and Farmstead Design	2.00	
	Total	17.00	
	Program Total	37.00	
Note:	Program start dates available in both August and January.		
	Curriculum and program acceptance requirements are subject to change.		

10091101 Dairy Herd Management Skills

...provides the student with skills to troubleshoot basic electrical applications and communicate basic Spanish for farm operations.

10091145 Agriculture Financial Applications

...prepares students to make decisions about the profitability of a total farm business, enterprises within the business and proposed changes in the business. Topics include financial strategies, determining payback on investments, analyzing purchasing decisions, managing accounts payable, determining cash flow, and comparison pricing.

10091160 Dairy Management Internship 1

...provides the student with the ability 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.

COREQUISITES: 31091312 Dairy Feeding Management and 31091335 Dairy Cattle Genetics and Reproduction

10091161 Dairy Management Internship 2

...provides the student with the ability 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.

COREQUISITES: 31091314 Dairy Feeding Management and 31091332 Dairy Cattle Industry and Applications

31091312 Dairy Feeding

...provides the student with knowledge of rumen anatomy and physiology to make fundamental feed choices in order to balance dairy rations. Main topics are nutrient digestion, uptake, transport, and testing and evaluation of feed for dairy cattle.

31091314 Dairy Feeding Management

...prepares the student to formulate rations for maximum profitability, develop feed inventories, and maximize resource allocation.

31091318 Dairy Lab I

...provides the student with the opportunity to observe first-hand the management practices on dairy farms to include farm visits, freeze branding, clipping cattle, judging, and linear evaluating.

COREQUISITES: 31091324 Milk Production and 31091348 Dairy Cattle Management

31091320 Dairy Lab II

...provides the student with additional opportunities to observe first-hand the management practices on dairy farms to include farm visits, seminars, and conferences.

COREQUISITES: 31091344 Dairy Business Management and 31091340 Dairy Housing and Farmstead Design

31091324 Milk Production

...introduces the student to the process of how milk is made 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.

31091332 Dairy Cattle Industry and Applications

...provides the student with knowledge of basic dairy trends, agricultural policy, milk marketing, production testing, and breed history to make informed choices in the industry. It includes application of industry skills in a one-on-one rotation to selected site farms allowing troubleshooting and problem solving skill development.

31091335 Dairy Cattle Genetics and Reproduction

...prepares participants for the mating and breeding of the dairy herd. Topics include linear appraisal, selection indexes, anatomy, hormonal cycles, artificial insemination, estrus detection, and dairy software management systems including Dairy Comp 305 are introduced. Live cattle for artificial insemination practice are featured.

31091340 Dairy Housing and Farmstead Design

...expands the student's ability to make the necessary choices for efficient farmstead operation utilizing principles of ventilation, housing facilities, manure systems, and farm safety 590 Plan completion.

31091344 Dairy Business Management

...prepares the student to efficiently manage the business aspects of a dairy farm by analyzing financial records, tax management, farm analysis, loan applications, and credit as well as understand farm business arrangements and estate planning.

31091348 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.

31801359 Communication Skills for the Workplace

...prepares the student to develop paper job-search tools and job-related writing skills to increase job stability; introduces the students to team-building skills to resolve organizational problems; introduces the student to the skills of effective listening; prepares the student to respond to workplace criticism and praise; and introduces the student to interpersonal relationship skills, including effective interviewing skills, customer relations, and management/employee relations.

31804356 Math for Agriculture Management

...is an introductory course in mathematics covering the math topics needed in the agricultural area. The principle areas of study are a review of basic mathematics, including fractions, decimals, ratio-proportion, percentage, measurement, plane figures, triangles, and circles and solids. Course material is learned through the use of agriculture-related problems.

31809362 Psychology for Life

...prepares the learner to select behavior modification techniques, demonstrate techniques for enhancing memory, analyze expressions of emotion, use conflict for common good, employ techniques to reduce conflict/frustration, use several methods to reduce stress, interpret personality types, ascertain contributors to perception, and apply methods of problem-solving.