

The Dairy Certificate Program will provide specialized training in dairy science through specific courses, extracurricular activities, and internships. This targeted training will increase your practical skills and knowledge in dairy science. By completing the Dairy Certificate Program, you will be prepared for employment in the dairy production or processing sectors of the allied industries that provide supplies and services to the dairy industry.

To obtain the Dairy Certificate, students must complete the three following program areas:

- a) Course work--Program consists of 24 credit hours (see below)
- b) Dairy related internship (must be approved by the coordinator)
- c) Participate in the Dairy Challenge

**Prerequisite Courses for the Certificate:**

<b><u>Prerequisite Courses for the Certificate:</u></b>		<b>Credit Hours</b>
AEDECON	2001 or equivalent	3
ANIMSCI	2200.01	3
ANIMSCI	3130	3
BIOLOGY	1101 or 1113 or 1113H	4

**Required Courses (12 cr. hr):**

<b><u>Required Courses (12 cr. hr):</u></b>			<b>Credit Hours</b>
ANIMSCI	2507	Challenges and Opportunities of the Dairy Industry	1
ANIMSCI	3147	Milk Secretion	2
ANIMSCI	5031	Ruminant Nutrition	3
ANIMSCI	5033	Feeding Management and Record Analysis for Dairy Cattle	3
AEDECON	3101	Principles of Agribusiness Management	3
or BUSMGT	3130	Foundations of Operations Management	

**Additional Supporting Courses (select a minimum of 12 credits from the courses listed below):**

<b><u>Additional Supporting Courses (select a minimum of 12 credits from the courses listed below):</u></b>			<b>Credit Hours</b>
AEDECON	3104	Farm Business Management	3
AEDECON	3160	Human Resource Management in Small Business	2
or BUSMHR	3100	Foundations of Management & Human Resources	3
ANIMSCI	2400.07	Dairy Industry in the United States and the Netherlands	1
ANIMSCI	3270	Animal Health II	2
ANIMSCI	3307	Dairy Cattle Evaluation	2
ANIMSCI	3400	Management Intensive Grazing	2
ANIMSCI	3797.07	Dairy Industry Outside the U.S. (must have enrolled in 2400.07)	3
ANIMSCI	4400	Animal Welfare and Behavior in Livestock Industries	3
ANIMSCI	5067	Physiology of Lactation	2
ANIMSCI	6060	Advanced Reproductive Physiology	3
FDSCTE	5420	Dairy Processing	3
HCS	5412	Agroecology of Grasslands and Prairies	3
VETPREV	7776	Dairy Herd Management and Preventive Medicine	2
SPANISH 1101	OR 1102	Elementary Spanish	3

**Restrictions and General Information**

1. This Certificate program is not available to fulfill the minor requirement for students majoring in Animal Sciences through the B.S. in Agriculture.
2. This Certificate program should be declared by the time a student accumulates 60 credit hours.
3. A minimum 2.00 cumulative point-hour ratio is required in the Certificate course work; and a minimum grade of a C- is required for each course used to complete this Certificate.
4. A student is permitted to overlap up to 6 credit hours between the GE and this Certificate program.
5. This Certificate program must contain a minimum of 12 credit hours distinct from the major and/or minor(s).
6. Course work graded Pass/Non-Pass cannot count in the Certificate program and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the Certificate.
7. No more than 3 credit hours of 3488 (Professional Development in Animal Sciences), 4193 (Individual Studies), 4189 (Field Experience), 4999 (Research with Distinction), or 4999H (Honors Research with Distinction) may count toward the Certificate.
8. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination toward the Certificate program.
9. At least 6 of the required credit hours counting in the Certificate must be earned in regular OSU coursework and at least 12 total credit hours counting in the Certificate must be earned in regular OSU coursework.
10. Equivalent courses taken at ATI will be considered for counting toward the Certificate; however, dairy-related courses taken at ATI used to fulfill the nutrition, genetics, physiology, health, or animal production required for students majoring in Animal Sciences will not count toward the Certificate.