

# Academic Program

A well rounded academic program awaits you whether you are an Animal Sciences major, you minor in Animal Sciences, or you take some of the courses as electives.



**Internships:** Each student in the College is expected to complete an internship. Many opportunities are available from companies and agencies and a few research internships are available in the Department (ANIM SCI 489 3 or 5 cr)

**Honors program:** Selective students are eligible for the honors program (<http://cfaes.osu.edu/current-students/academics-advising/honors>). One of the requirements is to conduct a research project and opportunities for research with dairy cattle are available (ANIM SCI H683).



**Collegiate Dairy Judging Teams.** Students that have taken the ANIM SCI 207 Dairy Cattle Evaluation course become eligible for selection for a team to represent Ohio State University. Teams are coached by Bonnie Ayars and compete in 3 to 4 contests annually.

### Other courses for consideration:

- ANIM SCI 488 Professional Development in Animal Sciences (credit allowed for students on Collegiate Dairy Judging Team and/or National Dairy Challenge Team)
- Applied Engineering in Agriculture (AGSYSMGT 300 and 301)
- AED ECON 200 (principles), 401 (management), 402 (marketing), 410 (farm management), or 441 (cooperatives)



Course Title	Course #	Quarter Offered (credits; prerequisites)	Suggested Year to for Animal Science Majors
<b>Dairy Specific Courses:</b>			
Dairy Cattle Evaluation	ANIM SCI 207	WI (3; ANIM SCI 200, sophomore standing)	Sophomore, Junior
Milk Secretion	ANIM SCI 317	SP (3; Biology 101 or 113)	Sophomore, Junior
Challenges and Opportunities in the Dairy Industry	ANIM SCI 347	WI (2; sophomore standing)	Sophomore, Junior
Dairy Herd Management	ANIM SCI 547	AU (5; ANIM SCI 310, 320, 330)	Junior, Senior
Physiology of Lactation	ANIM SCI 617	AU (3; ANIM SCI 310)	Senior
Feeding Management and Records Analysis	ANIM SCI 630.03	WI (3; ANIM SCI 330)	Senior
Study Abroad – Dairy Industry	ANIM SCI 697.04	SP (5; every other year)	Junior, Senior
Dairy Products Evaluation	FD SC&TE 210	SP (2; none)	Sophomore, Junior
Processing of Fluid Milk and Related Products	FD SC&TE 610	WI (3; FD SC&TE 401 and Micrbiol 509))	Junior, Senior
Disease Control of Dairy Cattle	VET PREV 796.06	SP (3; Micrbiol 509)	Senior
<b>Other fundamental courses:</b>			
Introductory Animal Sciences <sup>1,2</sup>	ANIM SCI 200	Principles of Animal Health	ANIM SCI 413
Food Animal Products <sup>1</sup>	ANIM SCI 250	Physiology of Reproduction	ANIM SCI 610
Principles of Animal Systems Physiology <sup>1,2</sup>	ANIM SCI 310	Ruminant Nutrition	ANIM SCI 630.01
Principles of Genetic Improvement <sup>1,2</sup>	ANIM SCI 320	Forage Crops	H&CS 412
Principles of Animal Nutrition <sup>1,2</sup>	ANIM SCI 330	Principles of Grassland Management	H&CS 612
Management Intensive Grazing	ANIM SCI 340		

<sup>1</sup>Required of Animal Sciences majors    <sup>2</sup>Required of Animal Sciences minors



## BUCKEYE DAIRY CLUB

The mission of the Buckeye Dairy Club is to promote and stimulate cooperation and friendship between members of the Dairy Club, faculty, and active men and women in their respective fields of dairy industry (<http://buckeyedairyclub.osu.edu>). Some of the major events are the Buckeye Classic Cattle Sale, Spring Trip, selling milkshakes at the farm Science Review, Buckeye Royal, attending the ADSA-SAD annual meeting, , community service, and intramural sports. The Club provides the opportunity for building lasting relationships, being with people of common interests regardless of major, building leadership skills and industry contacts, and having fun.

## NORTH AMERICAN INTERCOLLEGIATE DAIRY CHALLENGE TOMORROW'S DAIRY LEADERS

The North American Intercollegiate Dairy Challenge (<http://www.dairychallenge.org>) is a national contest held annually to inspire students and enhance university programs. It is a dairy management contest that incorporates all phases of a specific dairy business in a fun, interactive, and educational forum and is supported financially through generous donations by industry. An Ohio contest is held annually whereby teams of 3 to 4 students evaluate the management of a selected dairy farm. The top 4 students in this contest are selected to represent OSU at the National Contest and are coached by Dr. Maurice Eastridge. Selected students also annually participate in a regional dairy challenge.

**Several dairy-specific scholarships are available to Animal Science majors !**



**DAIRY FACILITIES.** The Department of Animal Sciences at The Ohio State University has two dairy herds – one in Columbus (teaching and research) and one in Wooster (mainly for research). The dairy farm in Columbus is located on the main campus of the University. Two full-time managers coordinate all aspects of a 140-cow herd (Holstein and Jersey) and about 10 to 15 students are hired each quarter. Cows are milked in a double-8 herringbone parlor built in 2002, and it is equipped with automatic takeoffs and animal identification. Cows are housed in a barn with 100 free stalls and in another barn with 65 tie stalls. If it's hands on experience is what you want, this is the place. Talk about rural urban interface, we live it every day. Visitors are welcome by appointment.

*For more information about the Dairy Program at The Ohio State University, contact:*

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## The DAIRY PROGRAM at



*has something to offer you ...*

