

Animal and Veterinary Science

PRODUCTION OPTION

Make decisions about livestock management and production.

THIS MAJOR IS A GOOD FIT IF YOU CAN SEE YOURSELF:

BREEDING AND CARING for domestic animals such as cattle, sheep, and horses

LEARNING THE FUNDAMENTALS of animal biology

MAKING DECISIONS about the day-to-day management of livestock operations

The production option emphasizes coursework in animal sciences, including reproduction, nutrition, growth, and health. It also provides an understanding of business skills such as management, marketing, budgeting, and communication. This major will equip you to manage animals to produce meat, milk, and other products efficiently and to guide the daily operations of an animal facility such as a dairy, feedlot, or ranch.

INSIDE THE CLASSROOM

Immerse yourself in courses in animal and meat sciences. Explore topics such as pregnancy rates and grazing management systems. Courses in business—accounting, management, and marketing—will teach you skills for problem-solving and improving the efficiency of production. Get hands-on experience in on-campus labs and animal research centers. At the meat science laboratory, learn how to maximize the value of retail cuts. The beef center has more than 50 purebred cows, and the sheep center has over 100 breeding Suffolk ewes. Senior year, you will integrate lessons from business and animal science when you evaluate real-world issues. You might determine the efficiency of a cow-calf operation, explore how a business prepares lambs for market, or examine how horses are bred and sold.

OUTSIDE THE CLASSROOM

INTERN. Get practical experiences like these: **NANCY M. CUMMINGS RESEARCH, EXTENSION AND EDUCATION CENTER** Help feed and care for 400 cross-bred mother cows at the UI's ranch near Salmon, Idaho . . . **BEEF FEEDLOT** Rotate through all phases of the operation from feed prep to treating sick animals . . . **RANCH** Participate in the daily care and management of the herd.

STUDY ABROAD. Deepen your understanding of your major—and the world—in countries like these: **MEXICO** Visit family-operated cattle ranches . . . **TAIWAN** Learn about aquaculture . . . **AUSTRALIA** Spend time in a country that prizes its beef and sheep industries.

DO RESEARCH. Make hands-on discoveries. Analyze feed samples in the beef, dairy, and sheep nutrition labs. Analyze the hormone composition of blood in the bovine and equine reproductive physiology labs. Participate in lactation research in an agricultural biotechnology lab. Care for animals at the beef, dairy, and sheep centers. Paid positions are available.

GET INVOLVED. Network and have fun. **STUDENT IDAHO CATTLE ASSOCIATION, LIVESTOCK AND MEATS JUDGING**

FASTFACT

UI's Northwest Equine Reproduction Laboratory produced the world's first cloned mule.

TEAMS, BLOCK AND BRIDLE Visit farms and ranches. Practice judging and showing livestock . . . **AGRIBUSINESS CLUB** Meet business leaders and potential employers.

CAREER OPPORTUNITIES

Almost all of our graduates receive job offers upon graduation with starting salaries of up to \$50,000. Work in business, for government, and for nonprofit organizations.

Here are a few possibilities:

LIVESTOCK PRODUCTION MANAGER. Oversee the processes of a beef or sheep production unit or feedlot.

RESEARCH TECHNICIAN. Be a support scientist managing the care and well-being of animals used for research or a laboratory technician analyzing research samples.

CONSULTANT. Provide in-field technical assistance to a breed association, pharmaceutical firm, or food processing company.

BUSINESS OWNER. Direct all operations of a farm, ranch, feedlot, or other animal-oriented business.

SALES REPRESENTATIVE. Sell veterinary supplies and medicine for a pharmaceutical or animal product company.

COMBINE YOUR EDUCATION. A second language can open doors to careers with companies that do business internationally. Take additional courses in agribusiness, agricultural economics, or communications.

CONTINUE YOUR EDUCATION. Pursue an advanced degree in disciplines such as nutrition, genetics and breeding, or reproductive physiology.

FIND OUT MORE ABOUT THE UNIVERSITY OF IDAHO ANIMAL AND VETERINARY SCIENCE MAJOR

WWW.CALS.UIDAHO.EDU/AVS

	FRESHMAN		SOPHOMORE		JUNIOR		SENIOR	
FALL	AVS 101	2	AgEc 278	4	AVS 305	4	AVS 330	3
	Animal & Veterinary Orientation		Farm & Agribusiness Management		Animal Nutrition		Genetics of Livestock Improvement	
	AVS 109	3	AVS 271	4	Engl 317	3	AVS 452	4
	Science of Animals that Serve Humanity		Anatomy & Physiology		Technical Writing or Engl 313	3	Physiology of Reproduction	
	CORE 103-149	4	Econ 202	3	Business Writing		AVS 468	3
	Core Discovery Course		Principles of Economics		REM 251	3	Companion Animal Biology & Management or AVS 472	3
Engl 101	3	REM 221	3	Principles of Range Resource Management		Dairy Cattle Management or AVS 478	3	
Intro. to College Writing		Ecology		Elective	3	Swine Production		
Math 143	3	Elective	3	Elective—International		AVS 471	3	
Pre-calculus Algebra & Analytic Geometry		Elective—Core		Elective	3	Animal Disease Management		
						Elective	3	
						Elective		
TOTAL	15	TOTAL	17	TOTAL	16	TOTAL	16	
SPRING	AVS 209/210	4	AVS 222	3	AgEc 289	3	AVS 411	3
	Science of Animal Husbandry/Lab		Animal Reproduction & Breeding		Agricultural Markets & Prices		Ruminant Nutrition	
	Biol 115	4	Chem 275	3	AVS 306	4	AVS 450	1
	Cells & the Evolution of Life		Carbon Compounds		Feeds & Ration Formulation		Issues in Animal Agriculture	
	Chem 111	4	MMBB 154/155	4	AVS 363	3	AVS 466	3
	Principles of Chemistry I		Introductory Microbiology/Lab		Animal Products for Human Consumption		Horse Science & Management or AVS 474	3
CORE 153-199	3	Stat 251	3	Comm 101	2	Beef Cattle Science or AVS 476	3	
Core Discovery Course		Statistical Methods		Public Speaking		Sheep Science		
Engl 102	3	Elective	3	Elective	3	Electives	4	
College Writing & Rhetoric		Elective—Core		Elective—Core		Electives—Life Science		
				Elective	3	Electives	5	
				Elective		Electives		
TOTAL	18	TOTAL	16	TOTAL	18	TOTAL	16	

Total for degree = 132 credits. Course offerings may change from year to year. Always check the current course catalog.

TO LEARN MORE
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www.cals.uidaho.edu

DEPARTMENT OF ANIMAL
AND VETERINARY SCIENCE
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“The professors don’t just lecture and that’s it. They make sure you understand what they are talking about. It’s no trouble getting in touch with any of them, including the head of the department.”

KRISTIN SCHOLZ, *animal and veterinary science major*