

# ANIMAL REPRODUCTION AND DEVELOPMENT OPTION

This option is offered within the following major(s):

- Bioresource Research - College of Agricultural Sciences (<http://catalog.oregonstate.edu/college-departments/agricultural-sciences/other-degrees-programs/bioresource-research-bs-hbs>)

Animal reproduction and development entails the study of life processes in cells, organs, and whole animals to enhance efficient production of high-quality animals and animal food products. Students use antibody-based assays, molecular genetics, protein chemistry, embryo and tissue culture, electron chemistry, and other modern laboratory techniques in research in areas of animal reproduction, development and growth, preparing them for positions or graduate programs in the bioscience/ biomedical/veterinary/agricultural fields

Code	Title	Hours
ANS 121	*INTRODUCTION TO ANIMAL SCIENCES	4
ANS 314	ANIMAL PHYSIOLOGY	4
ANS 316	REPRODUCTION IN DOMESTIC ANIMALS	4
ANS 317	REPRODUCTION IN DOMESTIC ANIMALS LABORATORY	1
CROP 300/HORT 300	CROP PRODUCTION IN PACIFIC NORTHWEST AGROECOSYSTEMS	4
Select one of the following:		3-5
BB 314	CELL AND MOLECULAR BIOLOGY	
BOT 331	PLANT PHYSIOLOGY	
CSS 305 & CSS 306	PRINCIPLES OF SOIL SCIENCE and PROBLEM SOLVING: SOIL SCIENCE APPLICATIONS (EOU campus only)	
or SOIL 205	SOIL SCIENCE	
ENT 311	INTRODUCTION TO INSECT PEST MANAGEMENT	
MB 302	GENERAL MICROBIOLOGY	
RNG 341	RANGELAND ECOLOGY AND MANAGEMENT	
TOX 411	FUNDAMENTALS OF TOXICOLOGY	

## Specialization and Breadth Courses

Select 7 to 9 credits approved by option faculty and research mentor. 7-9

Total Hours 27-31

\* Baccalaureate Core Course (BCC)

Option Code: 127