

M.Sc. (Applied) in Animal Science

A program with 45 credits required, lasting 18 months and based on a short project and coursework.

Project (15 credits total): Literature review and project design; project execution and submission; project presentation.	
ANSC 643	Project 1 (3 credits). Review of the literature and design of the project.
ANSC 644	Project 2 (3 credits). Continuation of the review of the literature and design of project.
ANSC 645	Project 3 (3 credits). Execution and write-up of project.
ANSC 646	Project 4 (3 credits). Continuation of write-up and submission of project.
ANSC 647	Project 5 (3 credits). Seminar and project presentation.

Coursework: 30 credits total from a combination of the two following complementary course lists:

<u>Complementary Course List 1</u> (15 - 30 credits)	AEMA 610	Statistical Methods 2 (3 credits)
	ANSC 504	Population Genetics (3 credits)
	ANSC 530	Experimental Techniques in Nutrition (3 credits)
	ANSC 551	Carbohydrate and Lipid Metabolism (3 credits)
	ANSC 552	Protein Metabolism and Nutrition (3 credits)
	ANSC 560	Biology of Lactation (3 credits)
	ANSC 565	Applied Information Systems (3 credits)
	ANSC 600	Advanced Eukaryotic Cells and Viruses (3 credits)
	ANSC 604	Advanced Animal Biotechnology (3 credits)
	ANSC 605	Estimation: Genetic Parameters (3 credits)
	ANSC 606	Selection Index and Animal Improvement (3 credits)
	ANSC 611D1	Advanced Reproductive Biology (1.5 credits)
	ANSC 611D2	Advanced Reproductive Biology (1.5 credits)
	ANSC 622	Selected Topics in Molecular Biology (3 credits)
	ANSC 635	Vitamins and Minerals in Nutrition (3 credits)
	ANSC 636	Analysis - Animal Breeding Research Data (3 credits)
	ANSC 691	Special Topic: Animal Sciences (3 credits)
ANSC 692	Special Topics in Animal Sciences 1 (3 credits)	
<u>Complementary Course List 2</u> (0 - 15 credits)	500- and 600-level courses from across the Faculty (with the possibility of up to 9 credits from outside the Faculty if deemed appropriate by the supervisor).	