

**Course Plan – Semester 1, 2021 entry
B1391 Bachelor of Agricultural Science**

Animal Science + Animal Health double major - 72 credit points

Academic Chairs Animal Science: Associate Professor Andrew Thompson and Dr Serina Hancock

Email: Andrew.Thompson@murdoch.edu.au; S.Hancock@murdoch.edu.au

Academic Chair Animal Health: Professor Graham Gardner

Email: G.Gardner@murdoch.edu.au

Major Prerequisites: Chemistry Background

Students who achieved a final scaled score of 50 percent or more in Chemistry 3A/3B or Chemistry ATAR within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements. The following course plan applies for students that are not granted an exemption for CHE140.

	Semester 1		Semester 2	
Year 1	ANS102 Introduction to the Animal Body	3pts	ANS101 Introduction to Livestock Science and Genetics	3pts
	BSC100 Building Blocks for Science Students	3pts	BIO152 Cell Biology	3pts
	CHE140 Fundamentals of Chemistry	3pts	BMS107 Foundations of Vertebrate Form and Function	3pts
	MAS183 Statistical Data Analysis	3pts	MSP100 Career Learning: Managing Your Career	3pts
		12pts		12pts
Year 2	ANS230 Animal Production Systems II	3pts	ANS221 Animal Structure and Function	3pts
	VET272 Comparative Mammalian Biochemistry	3pts	VET211 Principles of Infectious Disease I - Veterinary Microbiology	3pts
	Part II Murdoch Spine Unit*	3pts	VET278 Principles of Infectious Disease II - Veterinary Parasitology	3pts
	Part II General Elective	3pts	Part II General Elective	3pts
		12pts		12pts
Year 3	ANS313 Pathology and Diseases of Production Animals	3pts	ANS337 Animal Industry Experience	3pts
	ANS333 Animal Production Systems III	3pts	VET392 One Health	3pts
	VET380 Veterinary Nutrition and Animal Toxicology	3pts	Part II Murdoch Spine Unit*	3pts
	Part II General Elective	3pts	Part II General Elective	3pts
		12pts		12pts

***Part II Murdoch Spine: Career learning Units**

Select from the following:

[MSP200](#) Building Enterprise Skills – 3 pts

MURDOCH: S1-external, S2-external

[MSP201](#) Real World Learning – 3 pts

MURDOCH: S1-external, S2-external, SUM-external, W-external, Y-external

[ANS302](#) Farm Placement – 3 pts (is an alternative to MSP200 or MSP201)

MURDOCH: S1-placement, S2-placement, SUM-placement, W-placement, Y-placement

[ANS303](#) Industry Tour – 3 pts (is an alternative to MSP201)

MURDOCH: S2-internal

Recommended General Electives:

[ANS301](#) International Study Tour Opportunities – 3 pts

MURDOCH: S2N-internal

[ANS363](#) Applied Animal Agriculture – 3 pts

MURDOCH: S1-internal, S2-internal, Y-internal

[ANS364](#) Applied Animal Breeding – 3 pts

MURDOCH: S1-internal, S2-internal, Y-internal

[ANS365](#) Equine Physiology and Behaviour – 3 pts

MURDOCH: S1-internal

[ANS366](#) Equine Nutrition and Health – 3pts

MURDOCH: S2-internal

Disclaimer: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online [Handbook](#). Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course. Correct as at 17.01.2020