

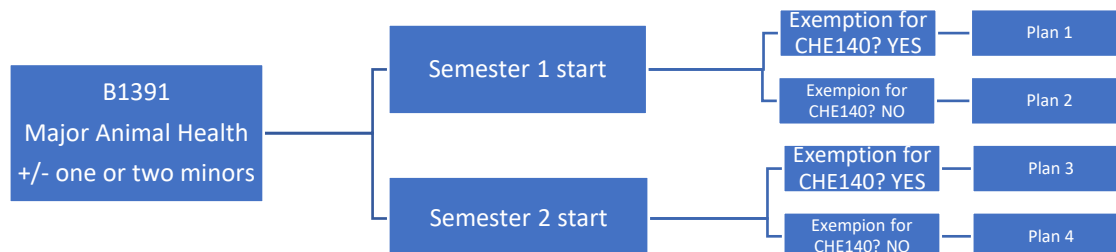
Course Plan 2022-2023
B1391 Bachelor of Agricultural Science

Animal Health major - 72 credit points

Academic Chair Animal Health: Associate Professor Caroline Jacobson C.Jacobson@murdoch.edu.au

Completing Your Course Plan

Step 1: Choose the correct course plan template



Step 2: Course Core Units

Students must complete (or be exempt from) the following units: **BSC100, MAS180, CHE140, BIO152**

Note: 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 apply for exemption for CHE140 Fundamentals of Chemistry.

Step 3: Animal Health Major

Students must complete the following units: **BMS107, ANS102, VET272, ANS221, VET211, VET278, ANS313, VET392**

Step 4: Career Learning Spine

Students must complete **THREE** career learning spine units:

MSP100 Career Learning: Managing Your Career -3 points (MURDOCH: S1-external, S2-external, SUM-external)

NOTE – MSP100 ideally completed before Career Learning Spine specified electives

Plus select **TWO** from the following list of Career Learning Spine specified electives:

- **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)
Note: Students may be able to do 2x MSP201
- **MSP202** The Search for Everything: Data analytics – 3 pts (MURDOCH: S1-external, S1-internal, S2-external, S2-internal)
- **ANSxx** Advanced Agricultural Skills (NOTE pre-requisite ANS101 or equivalent; MURDOCH: S1-external, S2-external, SUM-external, W-external)
- **VLS302** Professional Placements in Veterinary and Life Science (MURDOCH: S1-external, S2-external, SUM-external) *Note – subject to availability*

Step 5: General Electives added to bring total credit points to 72 points

- Select general electives to bring total credit points to 72 points.
- The timing and type of unit is flexible with only restriction that no more than 30 credit points can come from Part 1 units. 'Extra' career learning spine units may be counted as general electives.
- NOTE - elective slots can be used to complete one or two minors

Recommended general electives:

- **VET101** Sustainable and Ethical Animal Management) – 3pts (MURDOCH: S2-internal) - *recommended for students applying for transfer to veterinary science*
- **VET380** Veterinary Nutrition and Animal Toxicology – 3 pts (MURDOCH: S1-internal)
- **ANS363** Applied Animal Agriculture – 3 pts (MURDOCH: S1-internal)#
- **ANS364** Applied Animal Breeding – 3 pts (MURDOCH: S2-internal)#
- **ANS365** Equine Physiology and Behaviour – 3 pts (MURDOCH: S1-internal)*
- **ANS366** Equine Nutrition and Health – 3pts (MURDOCH: S2-internal)*

*Completion of ANS365 and ANS366 = eligibility for Equine Science Minor (MN-EQUINE)

#Completion of ANS363 and ANS364 = eligibility for Applied Animal Production minor (MN-ANMP)

Other suggested minors: Molecular Biology (MN-MOLB), Wildlife Conservation (MN-WLC), Applied Statistics (MN-APST)

Step 7: Confirm your course plan contains all required units using checklist (final page)

Course Plan 1 – Semester 1 entry with CHE140 exemption

Major Prerequisites: Chemistry Background				
<ul style="list-style-type: none"> The following course plan applies for students that are granted an exemption for CHE140. 				
Semester 1			Semester 2	
Year 1	BSC100 Building Blocks for Science Students	3	BIO152 Cell Biology	3
	MAS183 Statistical data analysis	3	BMS107 Foundations of Vertebrate Form & Function	3
	ANS102 Introduction to the Animal Body	3	MSP100 or General Elective	3
	MSP100 or General Elective	3	General Elective	3
		12		12
Year 2	VET272 Comparative Mammalian Biochemistry	3	ANS221 Animal Structure and Function	3
	Spine specified elective or General Elective	3	VET211 Principals of Infectious Disease 1 – Microbiology	3
	General Elective	3	VET278 Principals of Infectious Disease 2 – Veterinary Parasitology	3
	General Elective	3	Spine specified elective or General Elective	3
		12		12
Year 3	ANS313 Pathology & Diseases of Production Animals	3	VET392 One Health	3
	Spine specified elective or General Elective	3	Spine specified elective or General Elective	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	3
		12		12

Course Plan 2 – Semester 1 entry (no CHE140 exemption)

Semester 1			Semester 2	
Year 1	BSC100 Building Blocks for Science Students	3	BIO152 Cell Biology	3
	ANS102 Introduction to the Animal Body	3	BMS107 Foundations of Vertebrate Form & Function	3
	MAS183 Statistical data analysis	3	MSP100 Managing Your Career	3
	CHE140 Fundamentals of Chemistry	3	General Elective	3
		12		12
Year 2	VET272 Comparative Mammalian Biochemistry	3	ANS221 Animal Structure and Function	3
	Spine specified elective or General Elective	3	VET211 Principals of Infectious Disease 1 – Microbiology	3
	MSP100 or General Elective	3	VET278 Principals of Infectious Disease 2 – Veterinary Parasitology	3
	General Elective	3	Spine specified elective or General Elective	3
		12		12
Year 3	ANS313 Pathology & Diseases of Production Animals	3	VET392 One Health	3
	Spine specified elective or General Elective	3	Spine specified elective or General Elective	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	3
		12		12

B1391 Course Plan Checklist

B1391 Course Requirements	
Units total 72 credit points	
Core: BSC100	
Core: MAS183	
Core: CHE140	
Core: BIO152	
Career Learning Spine 1: MSP100	
Career Learning Spine 2: specified elective	
Career Learning Spine 3: specified elective	
At least 1 major: animal science/ animal health /crop and pasture science	

Major: Animal Health MJ-ANH

ANS102	Intro to Animal Body	
BMS107	Vertebrate Form and Function	
VET272	Comparative Mammalian Biochemistry	
ANS221	Animal Structure and Function	
VET211	Veterinary Microbiology	
VET278	Veterinary Parasitology	
ANS313	Pathology and Diseases of Production Animals	
VET392	One Health	

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 (<https://handbook.murdoch.edu.au/>). Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course