

Course Plans 2022-2023
B1391 Bachelor of Agricultural Science

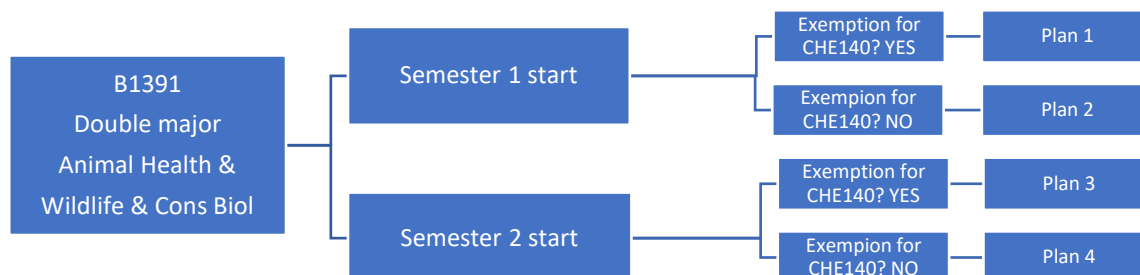
Double major Animal Health & Conservation & Wildlife Biology - 72 credit points

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

Academic Chair Conservation & Wildlife Biology: Dr Barbara Bowen B.Bowen@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, ENV241**

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: Conservation & Wildlife Biology Major

Students must complete the following units: **BIO152, ENV102, BIO257, BIO375, BIO356, BIO376**

Plus select **TWO** from the following: **ENV328, BIO245, BIO244**

Step 5: 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 (MURDOCH: S1-external, S2-external, SUM-external, W-external, Y-external) *Note: Students may be able to do 2x MSP201*
- **VLS302** Professional Placements in Veterinary and Life Science (MURDOCH: S1-external, S2-external, SUM-external) – *NOTE - subject to availability*

Step 6: General Electives added to bring total credit points to 72 points

Students with exemption for CHE140 should include **ONE** general elective. The timing and type of unit is flexible with only restriction that no more than 30 credit points can come from Part 1 units.

Recommended general electives:

- **VET101** Sustainable and Ethical Animal Management) – 3pts (MURDOCH: S2-internal) - *recommended for students applying for transfer to veterinary science*
- “Unused” CWB major electives can be used as general electives: ENV328, BIO245, BIO244

Note: A minor cannot be added/named on degree with double major at this point in time

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				
The following course plan applies for students that are <u>granted an exemption for CHE140</u> .				
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	ENV102 Foundations of the Environment	3
	BIO103 Intro to Environmental Biology	3	Career Learning Spine or General Elective	3
		12		12
Year 2	VET272 Comparative Mammalian Biochemistry	3	ANS221 Animal Structure and Function	3
	CWB elective 1 (BIO245 or ENV328)	3	VET211 Principals of Infectious Disease 1 – Microbiology	3
	CWB elective 2 (BIO245 or ENV328) or Career Learning Spine or General Elective	3	VET278 Principals of Infectious Disease 2 – Veterinary Parasitology	3
	Career Learning Spine or General Elective	3	ENV241 Ecology	3
		12		12
Year 3	ANS313 Pathology & Diseases of Production Animals	3	VET392 One Health	3
	BIO375 Conservation Biology	3	BIO257 Australian Biodiversity	3
	BIO356 Genetics & Evolution	3	BIO376 Wildlife Biology	3
	CWB elective 2 (BIO245 or ENV328) or Career Learning Spine or General Elective	3	CWB elective 2 (BIO244) or Career Learning Spine or 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
	CHE140 Fundamentals of Chemistry	3	MAS183 Statistical data analysis	3
	ANS102 Introduction to the Animal Body	3	BMS107 Foundations of Vertebrate Form & Function	3
	BIO103 Intro to Environmental Biology	3	ENV102 Foundations of the Environment	3
		12		12
Year 2	VET272 Comparative Mammalian Biochemistry	3	ANS221 Animal Structure and Function	3
	CWB elective 1 (BIO245 or ENV328) or Career Learning Spine	3	VET211 Principals of Infectious Disease 1 – Microbiology	3
	CWB elective 2 (BIO245 or ENV328) or Career Learning Spine	3	VET278 Principals of Infectious Disease 2 – Veterinary Parasitology	3
	Career Learning Spine	3	ENV241 Ecology	3
		12		12
Year 3	ANS313 Pathology & Diseases of Production Animals	3	VET392 One Health	3
	BIO375 Conservation Biology	3	BIO257 Australian Biodiversity	3
	BIO356 Genetics & Evolution	3	BIO376 Wildlife Biology	3
	CWB elective 2 (BIO245 or ENV328) or Career Learning Spine	3	CWB elective 2 (BIO244) or Career Learning Spine	3
		12		12

Course Plan 3 – Semester 2 entry with CHE140 exemption

Major Prerequisites: Chemistry Background				
<ul style="list-style-type: none"> The following course plan applies for students that are <u>granted an exemption for CHE140</u>. 				
Semester 1			Semester 2	
Year 1			BSC100 Building Blocks for Science Students	3
			BIO152 Cell Biology	3
			BMS107 Foundations of Vertebrate Form & Function	3
			ENV102 Foundations of the Environment	3
				12
Year 2	MAS183 Statistical Data Analysis	3	ANS221 Animal Structure and Function	3
	ANS102 Introduction to the Animal Body	3	VET211 Principals of Infectious Disease 1 – Microbiology	3
	VET272 Comparative Mammalian Biochemistry	3	VET278 Principals of Infectious Disease 2 – Veterinary Parasitology	3
	BIO103 Intro to Environmental Biology	3	ENV241 Ecology	3
		12		12
Year 3	ANS313 Pathology & Diseases of Production Animals	3	VET392 One Health	3
	BIO375 Conservation Biology	3	BIO257 Australian Biodiversity	3
	BIO356 Genetics & Evolution	3	BIO376 Wildlife Biology	3
	CWB elective 1 (BIO245 or ENV328) or Career Spine or General Elective	3	CWB elective 2 (BIO244) or Career Spine or General Elective	3
		12		12
Year 4	CWB elective 1 (BIO245 or ENV328) or Career Spine or General Elective	3		
	CWB elective 2 (BIO245 or ENV328) or Career Spine or General Elective	3		
	CWB elective 2 (BIO245 or ENV328) or Career Spine or General Elective	3		
	Career Spine or General Elective	3		
		12		

Course Plan 4 – Semester 2 entry (no CHE140 exemption)

Semester 1			Semester 2	
Year 1			BSC100 Building Blocks for Science Students	3
			CHE140 Foundations of Chemistry	3
			BMS107 Foundations of Vertebrate Form & Function	3
			ENV102 Foundations of the Environment	3
				12
Year 2	BIO152 Cell Biology	3	ANS221 Animal Structure and Function	3
	MAS183 Statistical Data Analysis	3	VET211 Principals of Infectious Disease 1 – Microbiology	3
	ANS102 Introduction to the Animal Body	3	VET278 Principals of Infectious Disease 2 – Veterinary Parasitology	3
	BIO103 Intro to Environmental Biology	3	ENV241 Ecology	3
		12		12
Year 3	VET272 Comparative Mammalian Biochemistry	3	VET392 One Health	3
	ANS313 Pathology & Diseases of Production Animals	3	BIO257 Australian Biodiversity	3
	BIO375 Conservation Biology	3	BIO376 Wildlife Biology	3
	BIO356 Genetics & Evolution	3	CWB elective 2 (BIO244) or Career Spine	3
		12		12
Year 4	CWB elective 1 (BIO245 or ENV328)	3		
	CWB elective 2 (BIO245 or ENV328) or Career Spine	3		
	Career Spine	3		
	Career Spine	3		
		12		

B1391 Course Plan Checklist

B1391 Course Requirements	
Units total 72 credit points	
Core: BSC100	
Core: MAS183	
Core: CHE140	
Core: BIO152	
Core: ENV241	
Career Learning Spine 1: MSP100	
Career Learning Spine 2: specified elective (MSP200 or MSP201 or VLS302)	
Career Learning Spine 3: specified elective (MSP200 or MSP201 or VLS302)	
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	

Major: Conservation & Wildlife Biology

BIO152	Cell Biology	
ENV102	Foundations of the Environment	
BIO257	Australian Biodiversity	
BIO375	Conservation Biology	
BIO356	Genetics and Evolution	
BIO376	Wildlife Biology	
	CWB major specified elective 1: ENV328, BIO245, BIO244	
	CWB major specified elective 2: ENV328, BIO245, BIO244	

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](#).