

Course Plan 2022-2023

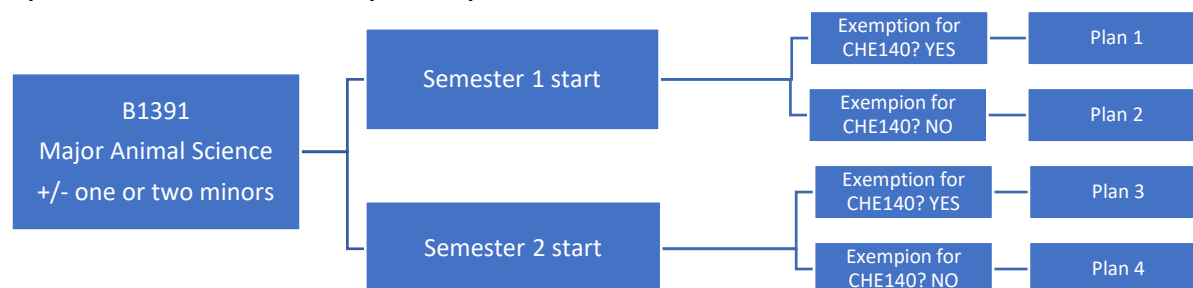
B1391 Bachelor of Agricultural Science Animal Science major - 72 credit points

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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 Science Major

Students must complete the following units: **BMS107, ANS101, VET272, ANS230, ANS221, VET380, ANS333, ANS337**

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 – ideally MSP100 is 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 or MSP201 alternatives
- **ANS302** Farm Placement – 3 pts *Alternative to MSP201* (MURDOCH: Y-placement) *Note: Students should commence ANS302 in Semester 1*
- **ANS303** Industry Tour – 3 pts *Alternative to MSP201* (MURDOCH: S2-internal) *Note - subject to availability and available to year 3 or year 4 students only*
- **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.
- NOTE - elective slots can be used to complete one or two minors

Recommended general electives:

- **ANS102** Introduction to Animal Body – 3pts (MURDOCH: S1-internal)
- **VET101** Sustainable and Ethical Animal Management – 3pts (MURDOCH: S2-internal) - *highly 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**B1391 Course Plan Checklist**

B1391 Course Requirements	
Units total 72 credit points	
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)	
Core: BSC100	
Core: MAS183	
Core: CHE140	
Core: BIO152	
At least 1 major: animal science/animal health/crop and pasture science	

Major: Animal Science MJ-ANS

BMS107	Vertebrate Form and Function	
ANS101	Intro to Livestock Science & Genetics	
VET272	Comparative Mammalian Biochemistry	
ANS230	Animal Production Systems II	
ANS221	Animal Structure and Function	
VET380	Veterinary Nutrition and Animal Toxicology	
ANS333	Animal Production Systems III	
ANS337	Advanced Animal Production	

Course Plan 1 – Semester 1 entry with CHE140 exemption

Major Prerequisites: Chemistry Background

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
	Career Learning Spine or General Elective	3	ANS101 Introduction to Livestock Science & Genetics		3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective		3
		12			12
Year 2	VET272 Comparative Mammalian Biochemistry	3	ANS221 Animal Structure and Function		3
	ANS230 Animal Production Systems II	3	Career Learning Spine or General Elective		3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective		3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective		3
		12			12
Year 3	VET380 Veterinary Nutrition & Animal Toxicology	3	ANS337 Animal Industry Experience		3
	ANS333 Animal Production Systems III	3	Career Learning Spine or General Elective		3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective		3
	Career Learning Spine or General Elective	3	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
	MAS183 Statistical data analysis	3	BMS107 Foundations of Vertebrate Form & Function		3
	CHE140 Fundamentals of Chemistry	3	ANS101 Introduction to Livestock Science & Genetics		3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective		3
		12			12
Year 2	VET272 Comparative Mammalian Biochemistry	3	ANS221 Animal Structure and Function		3
	ANS230 Animal Production Systems II	3	Career Learning Spine or General Elective		3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective		3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective		3
		12			12
Year 3	VET380 Veterinary Nutrition & Animal Toxicology	3	ANS337 Animal Industry Experience		3
	ANS333 Animal Production Systems III	3	Career Learning Spine or General Elective		3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective		3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective		3
		12			12

Course Plan 3 – Semester 2 entry with CHE140 exemption

Major Prerequisites: Chemistry Background

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
			BMS107 Foundations of Vertebrate Form & Function	3
			ANS101 Introduction to Livestock Science & Genetics	3
			Career Spine or General Elective	3
				12
Year 2	MAS183 Statistical data analysis	3	ANS221 Animal Structure and Function	3
	BIO152 Cell Biology	3	Career Spine or General Elective	3
	ANS230 Animal Production Systems II	3	Career Spine or General Elective	3
	Career Spine or General Elective	3	Career Spine or General Elective	3
		12		12
Year 3	VET272 Comparative Mammalian Biochemistry	3	ANS337 Animal Industry Experience	3
	ANS333 Animal Production Systems III	3	Career Spine or General Elective	3
	Career Spine or General Elective	3	Career Spine or General Elective	3
	Career Spine or General Elective	3	Career Spine or General Elective	3
		12		12
Year 4	VET380 Veterinary Nutrition & Animal Toxicology	3		
	Career Spine or General Elective	3		
	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 Fundamentals of Chemistry	3
			BMS107 Foundations of Vertebrate Form & Function	3
			ANS101 Introduction to Livestock Science & Genetics	3
				12
Year 2	MAS183 Statistical data analysis	3	ANS221 Animal Structure and Function	3
	BIO152 Cell Biology	3	Career Spine or General Elective	3
	ANS230 Animal Production Systems II	3	Career Spine or General Elective	3
	Career Spine or General Elective	3	Career Spine or General Elective	3
		12		12
Year 3	VET272 Comparative Mammalian Biochemistry	3	ANS337 Animal Industry Experience	3
	ANS333 Animal Production Systems III	3	Career Spine or General Elective	3
	Career Spine or General Elective	3	Career Spine or General Elective	3
	Career Spine or General Elective	3	Career Spine or General Elective	3
		12		12
Year 4	VET380 Veterinary Nutrition & Animal Toxicology	3		
	Career Spine or General Elective	3		
	Career Spine or General Elective	3		
	Career Spine or General Elective	3		
		12		

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](#).