

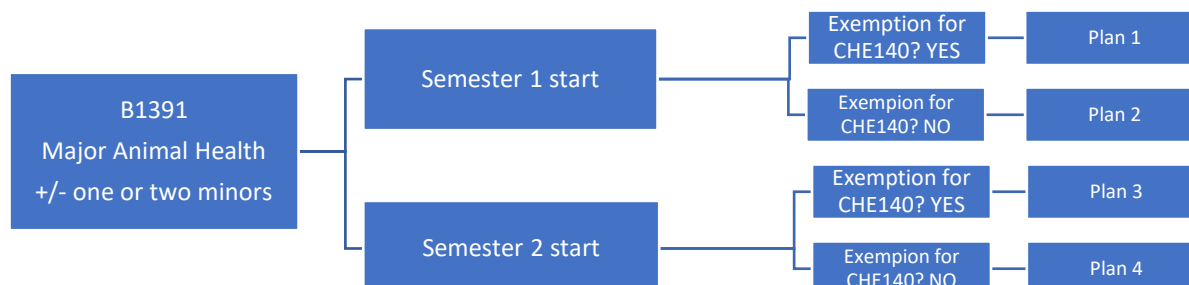
**Course Plan 2022-2023**  
**B1391 Bachelor of Agricultural Science**

**Animal Health 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 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*
- **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:

- **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"> <li>The following course plan applies for students that are <u>granted an exemption for CHE140</u>.</li> </ul>				
Semester 1			Semester 2	
Year 1	<b>BSC100</b> Building Blocks for Science Students	<b>3</b>	<b>BIO152</b> Cell Biology	<b>3</b>
	<b>MAS183</b> Statistical data analysis	<b>3</b>	<b>BMS107</b> Foundations of Vertebrate Form & Function	<b>3</b>
	<b>ANS102</b> Introduction to the Animal Body	<b>3</b>	<b>MSP100</b> or General Elective	<b>3</b>
	<b>MSP100</b> or General Elective	<b>3</b>	General Elective	<b>3</b>
		<b>12</b>		<b>12</b>
Year 2	<b>VET272</b> Comparative Mammalian Biochemistry	<b>3</b>	<b>ANS221</b> Animal Structure and Function	<b>3</b>
	Spine specified elective or General Elective	<b>3</b>	<b>VET211</b> Principals of Infectious Disease 1 – Microbiology	<b>3</b>
	General Elective	<b>3</b>	<b>VET278</b> Principals of Infectious Disease 2 – Veterinary Parasitology	<b>3</b>
	General Elective	<b>3</b>	Spine specified elective or General Elective	<b>3</b>
		<b>12</b>		<b>12</b>
Year 3	<b>ANS313</b> Pathology & Diseases of Production Animals	<b>3</b>	<b>VET392</b> One Health	<b>3</b>
	Spine specified elective or General Elective	<b>3</b>	Spine specified elective or General Elective	<b>3</b>
	General Elective	<b>3</b>	General Elective	<b>3</b>
	General Elective	<b>3</b>	General Elective	<b>3</b>
		<b>12</b>		<b>12</b>

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

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

### Course Plan 3 – Semester 2 entry with CHE140 exemption

Major Prerequisites: Chemistry Background				
<ul style="list-style-type: none"> <li>The following course plan applies for students that are granted an exemption for CHE140.</li> </ul>				
Semester 1			Semester 2	
Year 1			BSC100 Building Blocks for Science Students	3
			BIO152 Cell Biology	3
			BMS107 Foundations of Vertebrate Form & Function	3
			Career Spine or General Elective	3
				12
Year 2	ANS102 Introduction to the Animal Body	3	ANS221 Animal Structure and Function	3
	MAS183 Statistical data analysis	3	VET211 Principals of Infectious Disease 1 – Microbiology	3
	VET272 Comparative Mammalian Biochemistry	3	VET278 Principals of Infectious Disease 2 – Veterinary Parasitology	3
	Career Spine or General Elective	3	Career Spine or General Elective	3
		12		12
Year 3	ANS313 Pathology & Diseases of Production Animals	3	VET392 One Health	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	Career Spine or General Elective	3
		12		12
Year 4	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		

### 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
			Career Spine or General Elective	3
				12
Year 2	ANS102 Introduction to the Animal Body	3	ANS221 Animal Structure and Function	3
	MAS183 Statistical data analysis	3	Career Spine or General Elective	3
	BIO152 Cell Biology	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	VET211 Principals of Infectious Disease 1 – Microbiology	3
	Career Spine or General Elective	3	VET278 Principals of Infectious Disease 2 – Veterinary Parasitology	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	ANS313 Pathology and Diseases of Production Animals	3	VET392 One Health	3
	Career Spine or General Elective	3	Career Spine or General Elective	3
		6		6

## B1391 Course Plan Checklist

<b>B1391 Course Requirements</b>	
Units total 72 credit points	
<b>Core:</b> BSC100	
<b>Core:</b> MAS183	
<b>Core:</b> CHE140	
<b>Core:</b> BIO152	
<b>Career Learning Spine 1:</b> MSP100	
<b>Career Learning Spine 2:</b> specified elective (MSP200 or MSP201 or VLS302)	
<b>Career Learning Spine 3:</b> specified elective (MSP200 or MSP201 or VLS302)	
At least 1 major: animal science/ <b>animal health</b> /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](#).