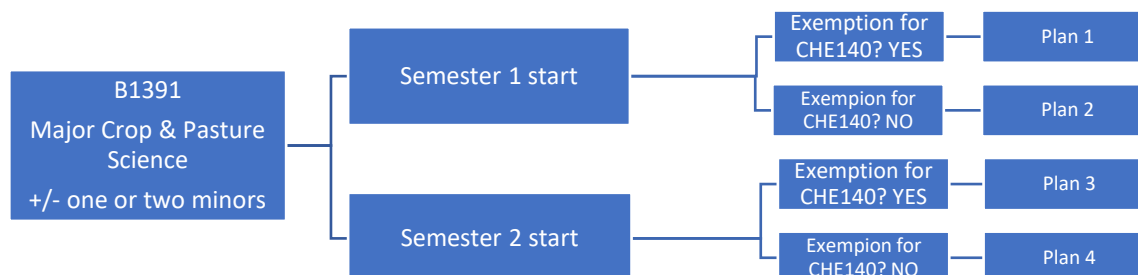


Course Plans: 2022-2023
B1391 Bachelor of Agricultural Science
Major Crop & Pasture Science - 72 credit points
 Academic Chair Crop & Pasture Science: Professor Graham O'Hara G.Ohara@murdoch.edu.au

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: Crop and Pasture Science Major

Students must complete the following units: **ANS105, ENV243, ANS207, ANS208, ANS309, ANS311, ANS312**

Plus one of the following CPS Major Specified Electives: ENV303, BIO282, BIO257, MAS223, BIO246

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 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
- **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)

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

Step 6: 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
	CHE140 Fundamentals of Chemistry	3	Career Learning Spine or General Elective	3
	ANS105 Agricultural Science & Food Production	3	Career Learning Spine or General Elective	3
		12		12
Year 2	ENV243 Water & Earth Science	3	ANS207 Crop & Pasture Science	3
	CPS Major Specified Elective or Career Learning Spine or General Elective	3	ANS208 Crop Protection & Plant Biosecurity	3
	Career Learning Spine or General Elective	3	CPS Major Specified Elective or 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	ANS309 Agricultural Markets, Economics & Policy	3	ANS311 Agricultural & Environmental Technologies	3
	CPS Major Specified Elective or Career Learning Spine or General Elective	3	ANS312 Advanced Crop & Pasture Science	3
	Career Learning Spine or General Elective	3	CPS Major Specified Elective or 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
	ANS105 Agricultural Science & Food Production	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 2	ENV243 Water & Earth Science	3	ANS207 Crop & Pasture Science	3
	CPS Major Specified Elective or Career Learning Spine or General Elective	3	ANS208 Crop Protection & Plant Biosecurity	3
	Career Learning Spine or General Elective	3	CPS Major Specified Elective or 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	ANS309 Agricultural Markets, Economics & Policy	3	ANS311 Agricultural & Environmental Technologies	3
	CPS Major Specified Elective or Career Learning Spine or General Elective	3	ANS312 Advanced Crop & Pasture Science	3
	Career Learning Spine or General Elective	3	CPS Major Specified Elective or 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			BMS107 Foundations of Vertebrate Form & Function	3
			BSC100 Building Blocks for Science Students	3
			BIO152 Cell Biology	3
			Career Learning Spine or General Elective	3
				12
Year 2	ANS105 Agricultural Science & Food Production	3	ANS207 Crop & Pasture Science	3
	MAS183 Statistical data analysis	3	ANS208 Crop Protection & Plant Biosecurity	3
	Career Learning Spine or General Elective	3	CPS Major Specified Elective or 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	ENV243 Water & Earth Science	3	ANS311 Agricultural & Environmental Technologies	3
	CPS Major Specified Elective or Career Learning Spine or General Elective	3	ANS312 Advanced Crop & Pasture Science	3
	Career Learning Spine or General Elective	3	CPS Major Specified Elective or Career Learning Spine or General Elective	3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective	3
		12		12
Year 4	ANS309 Agricultural Markets, Economics & Policy	3		
	CPS Major Specified Elective or Career Learning Spine or General Elective	3		
	Career Learning Spine or General Elective	3		
	Career Learning Spine or General Elective	3		
		12		

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

Semester 1			Semester 2	
Year 1			BMS107 Foundations of Vertebrate Form & Function	3
			BSC100 Building Blocks for Science Students	3
			CHE140 Fundamentals of Chemistry	3
			Career Learning Spine or General Elective	3
				12
Year 2	ANS105 Agricultural Science & Food Production	3	ANS207 Crop & Pasture Science	3
	MAS183 Statistical data analysis	3	ANS208 Crop Protection & Plant Biosecurity	3
	BIO152 Cell Biology	3	CPS Major Specified Elective or 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	ENV243 Water & Earth Science	3	ANS311 Agricultural & Environmental Technologies	3
	CPS Major Specified Elective or Career Learning Spine or General Elective	3	ANS312 Advanced Crop & Pasture Science	3
	Career Learning Spine or General Elective	3	CPS Major Specified Elective or Career Learning Spine or General Elective	3
	Career Learning Spine or General Elective	3	Career Learning Spine or General Elective	3
		12		12
Year 4	ANS309 Agricultural Markets, Economics & Policy	3		
	CPS Major Specified Elective or Career Learning Spine or General Elective	3		
	Career Learning Spine or General Elective	3		
	Career Learning Spine or General Elective	3		
		12		

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: Crop & Pasture Science MJ-CPS

ANS105	Ag Science and Food Protection	
ENV243	Water and Earth Science	
ANS207	Crop & Pasture Science	
ANS208	Crop Protection & Plant Biosecurity	
ANS309	Agricultural Markets, Economics & Policy	
ANS311	Agricultural & Environmental Technologies	
ANS312	Advanced Crop & Pasture Science	
	One CPS major specified elective: ENV303, BIO282, BIO257, MAS223, BIO246	

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](#).