

B1411 BSc (Physical Sciences) in Chemistry MJ-CHE (students without ATAR Chemistry)

Academic Chair: [TBA](#)

Start Date: Semester 1 2024

Year 1 – 2024	Semester 1 Units	CP	Semester 2 Units	CP
	PEN100 Transitioning in Time and Space	3	CHE144 Foundations of Chemistry	3
	PEN140 Fundamentals of Chemistry	3	CHE145 Introduction to Chemical Concepts	3
	MAS182 Introductory Calculus with Applications*	3	PEN152 Principles of Physics‡	3
	MSP100 Career Learning: Managing Your Career		MAS161 Calculus and Matrix Algebra	3
	Total	12	Total	12
Year 2 - 2025	Semester 1 Units	CP	Semester 2 Units	CP
	PEN201 Thermodynamics for Chemistry and Physics	3	MSP200 Building Employability Skills	3
	CHE207 Chemical Analysis	3	PEN200 The Quantum Realm	3
	PEN203 Scientific Computing and Visualisation	3	CHE205 Organic and Biological Chemistry I	3
	Elective	3	Elective	3
	Total	12	Total	
Year 3 - 2026	Semester 1 Units	CP	Semester 2 Units	CP
	CHE203 Molecular Reactivity	3	CHE300 Surface and Interface Phenomena	3
	MSP201 Real World Learning OR	3	CHE301 Sustainable Industrial Chemistry	3
	MAS300 Quantitative Projects and Consulting			
	Elective	3	Elective	3
	Elective	3	Elective	3
	Total	12	Total	12

TOTAL CREDIT POINTS 72

Semester 1 notes	Semester 2 notes
*MAS182 is not necessary if you have Year 12 Specialist Mathematics ATAR or equivalent. In that case you may wish to do MAS161 in Semester 1.	‡Students who have not successfully completed ATAR Physics will need to undertake PEN120 General Physics prior to enrolling in PEN152

Please note: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the [Handbook](#). Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at 19/09/23.

B1411 BSc (Physical Sciences) in Chemistry MJ-CHE (students with ATAR Chemistry)

Academic Chair: [Name](#)

Start Date: Semester 1 2024

Year 1 – 2024	Semester 1 Units		CP	Semester 2 Units		CP
		PEN100 Transitioning in Time and Space	3		MSP100 Career Learning: Managing Your Career	3
		CHE144 Foundations of Chemistry [†]	3		CHE145 Introduction to Chemical Concepts	3
		MAS182 Introductory Calculus with Applications*	3		PEN152 Principles of Physics‡	3
		Elective			MAS161 Calculus and Matrix Algebra	3
	Total	12		Total	12	
Year 2 – 2025	Semester 1 Units		CP	Semester 2 Units		CP
		PEN201 Thermodynamics for Chemistry and Physics	3		MSP200 Building Employability Skills	3
		CHE207 Chemical Analysis	3		PEN200 The Quantum Realm	3
		PEN203 Scientific Computing and Visualisation	3		CHE205 Organic and Biological Chemistry I	3
		Elective	3		Elective	3
	Total	12		Total		
Year 3 – 2026	Semester 1 Units		CP	Semester 2 Units		CP
		CHE203 Molecular Reactivity	3		CHE300 Surface and Interface Phenomena	3
		MSP201 Real World Learning OR	3		CHE301 Sustainable Industrial Chemistry	3
		MAS300 Quantitative Projects and Consulting				
		Elective	3		Elective	3
	Elective	3		Elective	3	
	Total	12		Total	12	

TOTAL CREDIT POINTS 72

Semester 1 notes	Semester 2 notes
<p>[†]Students who have not successfully completed ATAR Chemistry will need to undertake CHE140 Fundamentals of Chemistry prior to enrolling in CHE144</p> <p>*MAS182 is not necessary if you have Year 12 Specialist Mathematics ATAR or equivalent. In that case you may wish to do MAS161 in Semester 1.</p>	<p>[‡]Students who have not successfully completed ATAR Physics will need to undertake PEN120 General Physics prior to enrolling in PEN152</p>

Please note: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the [Handbook](#). Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at 19/09/23.