

# Course progression map for 2025 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the [Handbook](#).

## P2001 Bachelor of Pharmaceutical Science

The placement of units may be rearranged to provide flexibility in choice of elective units and to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.

Year 1 Semester 1	<b>BPS1011</b> Human physiology 1: Cells to systems	<b>BPS1021</b> Medicinal chemistry 1: Structure	<b>BPS1031</b> Physical chemistry 1: Equilibria and change	<b>BPS1041</b> Scientific inquiry
Year 1 Semester 2	<b>BPS1012</b> Human physiology 2: Body systems	<b>BPS1022</b> Medicinal chemistry 2: Reactivity and biomolecules	<b>BPS1032</b> Physical chemistry 2: Solutions, surfaces and solids	<b>BPS1042</b> Pharmaceutical science in context
Year 2 Semester 1	<b>BPS2011</b> Pharmacology 1: Biochemical signalling	<b>BPS2021</b> Synthetic chemistry 1: Structure and reactivity	<b>BPS2031</b> Analytical methods 1: Principles and applications	<b>BPS2041</b> Drug delivery and pharmacokinetics
Year 2 Semester 2	<b>BPS2012</b> Pharmacology 2: Drug action	<b>BPS2022</b> Drug discovery and design	<b>BPS2032</b> Analytical methods 2: Investigation design	<b>BPS2042</b> Drug development
Year 3 Full Year	<b>BPS3062</b> Professional experience*  <i>*Students also have the option of completing <b>one</b> of the following two Flagship Rich Educational Experience units in place of BPS3062:</i> <ul style="list-style-type: none"> <li>• <b>MON3750</b> Monash Innovation Guarantee (MIG) (Summer semester B)</li> <li>• <b>MON3500</b> Research, Experimentation and Discovery (RED) (Winter semester)</li> </ul>			
Year 3 Semester 1	<b>Elective units:</b> Choose <b>four units</b> from the following six: <ul style="list-style-type: none"> <li>• <b>BPS3011</b> Disease-focused pharmacology</li> <li>• <b>BPS3022</b> Microbiology and immunology</li> <li>• <b>BPS3031</b> Computational drug design</li> <li>• <b>BPS3041</b> Synthetic chemistry 2: Advanced methods</li> <li>• <b>BPS3061</b> Industrial formulation</li> <li>• <b>BPS3071</b> Nanotechnology and polymer science in drug delivery</li> </ul>			
Year 3 Semester 2	<b>BPS3012</b> Applied pharmaceutical science: From concept to market	<b>Elective units:</b> Choose <b>two units</b> from the following four: <ul style="list-style-type: none"> <li>• <b>BPS3021</b> Biotechnology</li> <li>• <b>BPS3032</b> Toxicology and advanced pharmacology</li> <li>• <b>BPS3042</b> Advanced experimental spectroscopy</li> <li>• <b>BPS3082</b> Applied pharmacokinetics, dynamics and product development</li> </ul>		

A	Enabling sciences	B,C	Pharmaceutical science and Applied project
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