

Course progression map for 2027 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

Unit offerings may vary 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	BPS1011 Human physiology 1: Cells to systems	BPS1021 Medicinal chemistry 1: Structure	BPS1031 Physical chemistry 1: Equilibria and change	BPS1041 Scientific inquiry
Year 1 Semester 2	BPS1012 Human physiology 2: Body systems	BPS1022 Medicinal chemistry 2: Reactivity and biomolecules	BPS1032 Physical chemistry 2: Solutions, surfaces and solids	BPS1042 Pharmaceutical science in context
Year 2 Semester 1	BPS2011 Pharmacology 1: Biochemical signalling	BPS2021 Synthetic chemistry 1: Structure and reactivity	BPS2031 Analytical methods 1: Principles and applications	BPS2041 Drug delivery and pharmacokinetics
Year 2 Semester 2	BPS2012 Pharmacology 2: Drug action	BPS2022 Drug discovery and design	BPS2032 Analytical method development	BPS2042 Drug development
Year 3 Full Year	BPS3062 Professional experience* <i>*Students also have the option of completing one of the following two Flagship Rich Educational Experience units in place of BPS3062:</i> • MON3750 Monash Innovation Guarantee (MIG) (Summer semester B) • MON3500 Research, Experimentation and Discovery (RED) (Winter semester)			
Year 3 Semester 1	Elective units: Choose four units from the following six: • BPS3011 Disease-focused pharmacology • BPS3022 Microbiology and immunology • BPS3031 Computational drug design • BPS3041 Synthetic chemistry 2: Advanced methods • BPS3061 Industrial formulation • BPS3071 Nanotechnology and polymer science in drug delivery			
Year 3 Semester 2	BPS3012 Applied pharmaceutical science: From concept to market	Elective units: Choose two units from the following four: • BPS3021 Biotechnology • BPS3032 Toxicology and advanced pharmacology • BPS3042 Advanced experimental spectroscopy • BPS3082 Applied pharmacokinetics, dynamics and product development		

A	Core studies	B,C	Discipline elective studies and Applied studies
----------	--------------	------------	---

Pre-requisites: There is a pass by year rule in this course.

Semester dates: Some units in Year 2 and Year 3 are offered in extended teaching periods and have [non-standard teaching and assessment dates](#) which differ from the [standard teaching period dates](#).