

Course progression map for 2019 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

Specialisation - Drug discovery biology

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	BPS1011 Human physiology I: Cells to systems	BPS1021 Medicinal chemistry I: Structure	BPS1031 Physical chemistry I: Equilibria & change	BPS1041 Scientific Inquiry
Year 1 Semester 2	BPS1012 Human physiology II: Body systems	BPS1022 Medicinal chemistry II: Reactivity and biomolecules	BPS1032 Physical chemistry II: Solutions, surfaces and solids	BPS1042 Pharmaceutical science in context
Year 2 Semester 1	BPS2011 Pharmacology I: Biochemical signalling	BPS2021 Synthetic chemistry I: structure and reactivity	BPS2031 Analytical methods I: Principles and applications	BPS2041 Drug delivery: Absorption pathways
Year 2 Semester 2	BPS2012 Pharmacology II: Drug action	BPS2022 Drug Discovery and Design	BPS2032 Analytical methods II: Investigation design	BPS2042 Drug Development
Year 3 Semester 1	BPS3111 Pharmacology III: Advanced concepts	BPS3121 Disease-focused pharmacology - Peripheral	BPS3131 Microbiology & immunology	Elective unit Choose one of: <ul style="list-style-type: none"> • BPS3211 Computational drug design • BPS3321 Biotechnology products • BPS3311 Applied pharmacokinetics and pharmacodynamics • BPS3711 Analysis of drug-receptor interactions
Year 3 Semester 2	BPS3112 Professional experience in drug discovery biology	BPS3122 Disease-focused pharmacology – CNS	BPS3132 Toxicology	Elective unit Choose one of: <ul style="list-style-type: none"> • BPS3232 Molecular basis of drug action • BPS3322 Drug delivery nanotechnology

A	Foundation sciences
B,C	Pharmaceutical science and Applied project

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P2001 Bachelor of Pharmaceutical Science

Specialisation - Medicinal chemistry

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	BPS1011 Human physiology I: Cells to systems	BPS1021 Medicinal chemistry I: Structure	BPS1031 Physical chemistry I: Equilibria & change	BPS1041 Scientific Inquiry
Year 1 Semester 2	BPS1012 Human physiology II: Body systems	BPS1022 Medicinal chemistry II: Reactivity and biomolecules	BPS1032 Physical chemistry II: Solutions, surfaces and solids	BPS1042 Pharmaceutical science in context
Year 2 Semester 1	BPS2011 Pharmacology I: Biochemical signalling	BPS2021 Synthetic chemistry I: structure and reactivity	BPS2031 Analytical methods I: Principles and applications	BPS2041 Drug delivery: Absorption pathways
Year 2 Semester 2	BPS2012 Pharmacology II: Drug action	BPS2022 Drug Discovery and Design	BPS2032 Analytical methods II: Investigation design	BPS2042 Drug Development
Year 3 Semester 1	BPS3211 Computational drug design	BPS3221 Synthetic chemistry II: Emerging methods	BPS3231 Advanced experimental spectroscopy	Elective unit Choose one of: <ul style="list-style-type: none"> • BPS3121 Disease-focused pharmacology – peripheral • BPS3131 Microbiology & immunology • BPS3321 Biotechnology products • BPS3711 Analysis of drug-receptor interactions
Year 3 Semester 2	BPS3212 Professional experience in medicinal chemistry	BPS3222 Synthetic strategies for drug design	BPS3232 Molecular basis of drug action	Elective unit Choose one of: <ul style="list-style-type: none"> • BPS3122 Disease-focused pharmacology – CNS • BPS3132 Toxicology • BPS3322 Drug delivery nanotechnology

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P2001 Bachelor of Pharmaceutical Science

Specialisation - Formulation 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	BPS1011 Human physiology I: Cells to systems	BPS1021 Medicinal chemistry I: Structure	BPS1031 Physical chemistry I: Equilibria & change	BPS1041 Scientific Inquiry
Year 1 Semester 2	BPS1012 Human physiology II: Body systems	BPS1022 Medicinal chemistry II: Reactivity and biomolecules	BPS1032 Physical chemistry II: Solutions, surfaces and solids	BPS1042 Pharmaceutical science in context
Year 2 Semester 1	BPS2011 Pharmacology I: Biochemical signalling	BPS2021 Synthetic chemistry I: structure and reactivity	BPS2031 Analytical methods I: Principles and applications	BPS2041 Drug delivery: Absorption pathways
Year 2 Semester 2	BPS2012 Pharmacology II: Drug action	BPS2022 Drug Discovery and Design	BPS2032 Analytical methods II: Investigation design	BPS2042 Drug Development
Year 3 Semester 1	BPS3311 Applied pharmacokinetics and pharmacodynamics	BPS3321 Biotechnology products	BPS3331 Pharmaceutical product development and manufacture	Elective unit Choose one of: <ul style="list-style-type: none"> • BPS3121 Disease-focused pharmacology – peripheral • BPS3131 Microbiology & immunology • BPS3211 Computational drug design • BPS3711 Analysis of drug-receptor interactions
Year 3 Semester 2	BPS3312 Professional experience in formulation science	BPS3322 Drug delivery nanotechnology	BPS3332 Industrial formulation	Elective unit Choose one of: <ul style="list-style-type: none"> • BPS3122 Disease-focused pharmacology – CNS • BPS3132 Toxicology • BPS3232 Molecular basis of drug action

A	Foundation sciences
B,C	Pharmaceutical science and Applied project