# Course progression map for 2022 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](https://www.monash.edu/).

## 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 | 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 BPS1011 | BPS2021 Synthetic chemistry I: Structure and reactivity BPS1021 | BPS2031 Analytical methods I: Principles and applications BPS1031 | BPS2041 Drug delivery and pharmacokinetics BPS1011 |
| Year 2 Semester 2 | BPS2012 Pharmacology II: Drug action BPS1012 | BPS2022 Drug discovery and design BPS1022 | BPS2032 Analytical methods II: Investigation design BPS1032 | BPS2042 Drug development BPS1032 |

### Elective units
Choose four units from the following six:
- BPS3011 Disease-focused pharmacology BPS2011
- BPS3021 Biotechnology BPS2011
- BPS3031 Computational drug design BPS2022
- BPS3041 Synthetic chemistry II: Advanced methods BPS2021
- BPS3051 Pharmaceutical product development BPS2042
- BPS3061 Industrial formulation – co-req BPS3051

| Year 3 Semester 1 | BPS3012 Applied pharmaceutical science: from concept to market | Elective units Choose two units from the following four: BPS3022 Microbiology and immunology BPS2012 BPS3032 Toxicology and advanced pharmacology BPS2012 BPS3042 Advanced experimental spectroscopy BPS2021 BPS3052 Applied pharmacokinetics/dynamics and nanotechnology BPS2041 | BPS3062 Professional experience |
| Year 3 Semester 2 | | | | |

| A | Enabling sciences | B,C | Pharmaceutical science and Applied project |

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Source: Monash University [Handbook](https://www.monash.edu/)

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