## 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.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>BPS1011</th>
<th>Human physiology I: Cells to systems</th>
<th>BPS1021</th>
<th>Medicinal chemistry I: Structure</th>
<th>BPS1031</th>
<th>Physical chemistry I: Equilibria &amp; change</th>
<th>BPS1041</th>
<th>Scientific Inquiry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>Semester 2</td>
<td>BPS1012</td>
<td>Human physiology II: Body systems</td>
<td>BPS1022</td>
<td>Medicinal chemistry II: Reactivity and biomolecules</td>
<td>BPS1032</td>
<td>Physical chemistry II: Solutions, surfaces and solids</td>
<td>BPS1042</td>
<td>Pharmaceutical science in context</td>
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<tr>
<td>Year 2</td>
<td>Semester 1</td>
<td>BPS2011</td>
<td>Pharmacology I: Biochemical signalling BPS1011, BPS1022</td>
<td>BPS2021</td>
<td>Synthetic chemistry I: Structure and Reactivity BPS1021, BPS1022</td>
<td>BPS2031</td>
<td>Analytical methods I: Principles and applications BPS1031, BPS1032</td>
<td>BPS2041</td>
<td>Drug delivery: Absorption pathways BPS1011, BPS1012</td>
</tr>
<tr>
<td>Year 2</td>
<td>Semester 2</td>
<td>BPS2012</td>
<td>Pharmacology II: Drug action BPS1012</td>
<td>BPS2022</td>
<td>Drug Discovery and Design BPS1022</td>
<td>BPS2032</td>
<td>Analytical methods II: Investigation design BPS2031</td>
<td>BPS2042</td>
<td>Drug Development BPS1032, BP2212S1042</td>
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<tr>
<td>Year 3</td>
<td>Semester 1</td>
<td>BPS3311</td>
<td>Applied pharmacokinetics and pharmacodynamics</td>
<td>BPS3321</td>
<td>Biotechnology products</td>
<td>BPS3331</td>
<td>Pharmaceutical product development and manufacture</td>
<td>Elective unit</td>
<td>Choose one of: BPS3121 Disease-focused pharmacology – peripheral BPS3131 Microbiology &amp; immunology BPS3211 Computational drug design BPS3711 Analysis of drug-receptor interactions</td>
</tr>
<tr>
<td>Year 3</td>
<td>Semester 2</td>
<td>BPS3312</td>
<td>Professional experience in formulation science</td>
<td>BPS3322</td>
<td>Drug delivery nanotechnology</td>
<td>BPS3332</td>
<td>Industrial formulation</td>
<td>Elective unit</td>
<td>Choose one of: BPS3122 Disease-focused pharmacology – CNS BPS3132 Toxicology BPS3232 Molecular basis of drug action</td>
</tr>
</tbody>
</table>

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While the information provided herein was correct at the time of viewing and/or printing, Monash University reserves the right to alter procedures, fees and regulations should the need arise. Students are advised to check their enrolment details against the appropriate course guide and with their faculty office to obtain the most accurate and current information.

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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.

| B,C | Pharmaceutical science and Applied project |