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.

P3002 Bachelor of Pharmaceutical Science Advanced (Honours)
Specialisation - Medicinal chemistry

<table>
<thead>
<tr>
<th>Year 1 Semester 1</th>
<th>BPS1011 Human physiology I: Cells to systems</th>
<th>BPS1021 Medicinal chemistry I: Structure</th>
<th>BPS1031 Physical chemistry I: Equilibria &amp; change</th>
<th>BPS1041 Scientific Inquiry</th>
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<tr>
<td>Year 1 Semester 2</td>
<td>BPS1012 Human physiology II: Body systems</td>
<td>BPS1022 Medicinal chemistry II: Reactivity and biomolecules</td>
<td>BPS1032 Physical chemistry II: Solutions, surfaces and solids</td>
<td>BPS1042 Pharmaceutical science in context</td>
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<td>Year 2 Semester 1</td>
<td>BPS2011 Pharmacology I: Biochemical signalling</td>
<td>BPS2021 Synthetic chemistry I: Structure and Reactivity BPS1021, BPS1022</td>
<td>BPS2031 Analytical methods I: Principles and applications BPS1031, BPS1032</td>
<td>BPS2041 Drug delivery: Absorption pathways BPS1011, BPS1012</td>
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<tr>
<td>Year 2 Semester 2</td>
<td>BPS2012 Pharmacology II: Drug action BPS1012</td>
<td>BPS2022 Drug Discovery and Design BPS1022</td>
<td>BPS2032 Analytical methods II: Investigation design BPS2031</td>
<td>BPS2042 Drug Development BPS1032, BPS1042</td>
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| Year 3 Semester 1| BPS3211 Computational drug design | BPS3221 Synthetic chemistry II: Emerging methods | BPS3231 Advanced experimental spectroscopy | Selective unit Choose one of:  
- BPS3211 Disease-focused pharmacology – peripheral  
- BPS3311 Microbiology & immunology  
- BPS3321 Biotechnology products  
- BPS3711 Analysis of drug-receptor interactions |
| Year 3 Semester 2| BPS3512 Medicinal Chemistry pre honours research project (12 credit points) | BPS3222 Synthetic strategies for drug design | BPS3232 Molecular basis of drug action |
| Year 4 Semester 1| Choose one of:  
PSC4111 Advanced medicinal chemistry (12 points)  
PSC4211 Advanced formulation science (12 points)  
PSC4311 Advanced drug discovery biology (12 points) |
| Year 4 Semester 2| Based on the first semester, choose one of:  
PSC4112 Research in medicinal chemistry (36 points)  
PSC4212 Research in formulation science (36 points)  
PSC4312 Research in drug discovery biology (36 points) |

A Foundational science studies  
B Pharmaceutical science studies  
C Honours research program

CRICOS Provider Number: 00008C

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