

## Course progression map for 2016 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 <a href="Handbook">Handbook</a>.

## P3002 Bachelor of Pharmaceutical Science Advanced (Honours)

#### **Specialisation - Formulation science**

Year 1 Semester 1	PSC1011 Physiology I	PSC1021 Bioorganic and medicinal chemistry I	PSC1031 Physical chemistry I	PSC1041 Scientific Inquiry
Year 1 Semester 2	PSC1012 Physiology II	PSC1022 Bioorganic and medicinal chemistry II	PSC1032 Physical chemistry II	PSC1042 Introduction to pharmaceutical sciences
Year 2 Semester 1	PSC2011 Biochemical pharmacology	PSC2021 Structural organic chemistry	PSC2031 Analytical methods	PSC2041 Biopharmaceutics
Year 2 Semester 2	PSC2012 Molecular pharmacology	PSC2222 Formulation chemistry	PSC2232 Colloid chemistry	One of: PSC2122, PSC2132, PSC2142
Year 3 Semester 1	PSC3211 Industrial formulation	PSC3221 Biomolecule formulation and modified release technology	PSC3231 Pharmaceutical product manufacture	PSC3041 Applied analytical methods
Year 3 Semester 2	PSC3212 Product commercialisation	PSC3222 Advanced formulations and nanotechnologies	PSC3532 Formulation science pre hono points)	urs research project (12
Year 4 Semester 1	PSC4211 Advanced formulation science (12 points)			
Year 4 Semester 2	PSC4212 Research in formulation science (36 points)			

Α	Foundational science studies
В	Pharmaceutical science studies
С	Honours research program

#### Page 1 of 3

 $Source: \textit{Monash University 2016 Handbook} - \texttt{http://www.monash.edu.au/pubs/2016} \\ handbooks/maps/map-p3002.pdf \textit{CRICOS Provider Number: } 00008C$ 

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 should carefully read all official correspondence, other sources of information for students and the official university noticeboards to be aware of changes to the information contained herein. The inclusion in a publication of details of a course in no way creates an obligation on the part of the university to teach it in any given year, or to teach it in the manner described. The university reserves the right to discontinue or vary courses at any time without notice. Students should always check with the relevant faculty officers when planning their courses. Some courses and units are described which may alter or may not be offered due to insufficient enrolments or changes to teaching personnel.



# Course progression map for 2016 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 <a href="Handbook">Handbook</a>.

## P3002 Bachelor of Pharmaceutical Science Advanced (Honours)

### **Specialisation - Medicinal chemistry**

Year 1 Semester 1	PSC1011 Physiology I	PSC1021 Bioorganic and medicinal chemistry I	PSC1031 Physical chemistry I	PSC1041 Scientific Inquiry
Year 1 Semester 2	PSC1012 Physiology II	PSC1022 Bioorganic and medicinal chemistry II	PSC1032 Physical chemistry II	PSC1042 Introduction to pharmaceutical sciences
Year 2 Semester 1	PSC2011 Biochemical pharmacology	PSC2021 Structural organic chemistry	PSC2031 Analytical methods	PSC2041 Biopharmaceutics
Year 2 Semester 2	PSC2012 Molecular pharmacology	PSC2122 Synthetic organic chemistry	PSC2132 Intro to spectroscopy	PSC2142 Computational chemistry
		•		
Year 3 Semester 1	PSC3111 Molecular basis of drug action	PSC3121 Advanced synthetic chemistry	PSC3131 Medicinal analysis of drug receptor interactions	PSC3041 Applied analytical methods
	Molecular basis of drug	Advanced synthetic	Medicinal analysis of drug	Applied analytical methods
Semester 1 Year 3	Molecular basis of drug action  PSC3112  Drug discovery and	Advanced synthetic chemistry  PSC3122 Synthetic medicinal chemistry	Medicinal analysis of drug receptor interactions  PSC3432  Medicinal chemistry pre hon	Applied analytical methods

Α	Foundational science studies
В	Pharmaceutical science studies
С	Honours research program

#### Page 2 of 3

 $Source: \textit{Monash University 2016 Handbook} - \texttt{http://www.monash.edu.au/pubs/2016} \\ handbooks/maps/map-p3002.pdf \textit{CRICOS Provider Number: } 00008C$ 

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 should carefully read all official correspondence, other sources of information for students and the official university noticeboards to be aware of changes to the information contained herein. The inclusion in a publication of details of a course in no way creates an obligation on the part of the university to teach it in any given year, or to teach it in the manner described. The university reserves the right to discontinue or vary courses at any time without notice. Students should always check with the relevant faculty officers when planning their courses. Some courses and units are described which may alter or may not be offered due to insufficient enrolments or changes to teaching personnel.



# Course progression map for 2016 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 <a href="Handbook">Handbook</a>.

## P3002 Bachelor of Pharmaceutical Science Advanced (Honours)

### **Specialisation - Drug discovery biology**

Year 1 Semester 1	PSC1011 Physiology I	PSC1021 Bioorganic and medicinal chemistry I	PSC1031 Physical chemistry I	PSC1041 Scientific Inquiry
Year 1 Semester 2	PSC1012 Physiology II	PSC1022 Bioorganic and medicinal chemistry II	PSC1032 Physical chemistry II	PSC1042 Introduction to pharmaceutical sciences
Year 2 Semester 1	PSC2011 Biochemical pharmacology	PSC2021 Structural organic chemistry	PSC2031 Analytical methods	PSC2041 Biopharmaceutics
Year 2 Semester 2	PSC2012 Molecular pharmacology	PSC2322 Molecular cell biology	PSC2332 Disease focused pharmacology - peripheral	One of: PSC2122, PSC2132, PSC2142 PSC2222
Year 3 Semester 1	PSC3311 Microbiology and immunology	PSC3321 Disease focused pharmacology – CNS	PSC3111 Molecular basis of drug action	PSC3041 Applied analytical methods
	Microbiology and	Disease focused	Molecular basis of drug action  PSC3632	
Semester 1  Year 3	Microbiology and immunology  PSC3112 Drug discovery	Disease focused pharmacology – CNS  PSC3322 Current aspects of cancer biology	Molecular basis of drug action  PSC3632  Drug discovery biology pre	Applied analytical methods

Α	Foundational science studies
В	Pharmaceutical science studies
С	Honours research program

#### Page 3 of 3

 $Source: \textit{Monash University 2016 Handbook} - \texttt{http://www.monash.edu.au/pubs/2016} \\ handbooks/maps/map-p3002.pdf \textit{CRICOS Provider Number: } 00008C$ 

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 should carefully read all official correspondence, other sources of information for students and the official university noticeboards to be aware of changes to the information contained herein. The inclusion in a publication of details of a course in no way creates an obligation on the part of the university to teach it in any given year, or to teach it in the manner described. The university reserves the right to discontinue or vary courses at any time without notice. Students should always check with the relevant faculty officers when planning their courses. Some courses and units are described which may alter or may not be offered due to insufficient enrolments or changes to teaching personnel.