

# Bachelor of Pharmaceutical Science

## Course Map: Medicinal Chemistry major

<b>First year: 2009</b>				
<b>8 core units</b>				
SEM 1	PSC1021 Organic chemistry I	PSC1071 Physical chemistry I	PSC1081 Physiology I	PSC1041 Mathematics for pharmaceutical scientists
SEM 2	PSC1022 Organic chemistry II	PSC1072 Physical chemistry II	PSC1082 Physiology II	PSC1042 Introduction to pharmaceutical sciences
<b>Second year: 2010</b>				
<b>4 core units, 4 specialist units</b>				
SEM 1	PSC2011 Pharmaceutical biochemistry	PSC2021 Analytical methods	PSC2121 Synthetic chemistry I	PSC2141 Computational chemistry I
SEM 2	PSC2062 Pharmacology	PSC2092 Molecular cell biology	PSC2122 Synthetic chemistry II	PSC2182 Introduction to spectroscopy
<b>Third year: 2011</b>				
<b>2 core units, 5 specialist units, 1 elective unit</b>				
SEM 1	PSC3081 Biopharmaceutics	PSC3091 Molecular basis of drug action	PSC3181 Spectroscopy	PSC3121 Synthetic medicinal chemistry
SEM 2	PSC3112 Drug discovery and development	PSC3122 Chemical technologies for the pharmaceutical sciences	PSC3182 Research project	<b>Elective unit</b> <b>Choose one of:</b> <ul style="list-style-type: none"> <li>▪ PSC3032 Current aspects of pharmaceutical biology</li> <li>▪ PSC3042 Disease states and pharmacological intervention</li> <li>▪ PSC3202 Product development III</li> <li>▪ PSC3092 Computational chemistry in drug design</li> </ul>

**All units are 6 credit points**  
**Students complete 48 credit points per year**  
**Total credit points required: 144**

# Bachelor of Pharmaceutical Science

## Course Map: Formulation Science major

<b>First year: 2009</b>				
<b>8 core units</b>				
SEM 1	PSC1021 Organic chemistry I	PSC1071 Physical chemistry I	PSC1081 Physiology I	PSC1041 Mathematics for pharmaceutical scientists
SEM 2	PSC1022 Organic chemistry II	PSC1072 Physical chemistry II	PSC1082 Physiology II	PSC1042 Introduction to pharmaceutical sciences
<b>Second year: 2010</b>				
<b>4 core units, 4 specialist units</b>				
SEM 1	PSC2011 Pharmaceutical biochemistry	PSC2021 Analytical methods	PSC2271 Formulation chemistry I	PSC2241 Colloid chemistry
SEM 2	PSC2062 Pharmacology	PSC2092 Molecular cell biology	PSC2272 Formulation chemistry II	PSC2202 Product development I
<b>Third year: 2011</b>				
<b>2 core units, 5 specialist units, 1 elective unit</b>				
SEM 1	PSC3081 Biopharmaceutics	PSC3091 Molecular basis of drug action	PSC3201 Product development II	PSC3271 Formulation chemistry III
SEM 2	PSC3202 Product development III	PSC3272 Formulation chemistry IV	PSC3252 Industry project	<b>Elective unit</b>  <b>Choose one of:</b> <ul style="list-style-type: none"> <li>▪ PSC3032 Current aspects of pharmaceutical biology</li> <li>▪ PSC3042 Disease states and pharmacological intervention</li> <li>▪ PSC3112 Drug discovery and development</li> </ul>

**All units are 6 credit points**  
**Students complete 48 credit points per year**  
**Total credit points required: 144**