

Bachelor of Pharmaceutical Science

Medicinal Chemistry major

Course Map: For students who commenced pre-2009

First year 8 core units				
SEM 1	VPS1021 Organic Chemistry I	VPS1071 Physical Chemistry I I	VPS1081 Physiology I	VPS1041 Mathematics for pharmaceutical scientists
SEM 2	VPS1022 Organic chemistry II	VPS1072 Physical chemistry II	VPS1082 Physiology II	VPS1042 Introduction to pharmaceutical sciences

Second year 4 core units, 4 specialist units				
SEM 1	VPS2011 Pharmaceutical biochemistry	VPS2021 Analytical methods	VPS2121 Synthetic chemistry I	VPS2141 Computational chemistry I
SEM 2	VPS2062 Pharmacology	VPS2092 Molecular cell biology	VPS2122 Synthetic chemistry II	VPS2082 Introduction to spectroscopy

Third year 2 core units, 5 specialist units, 1 elective unit				
SEM 1	VPS3081 Biopharmaceutics	VPS3091 Molecular basis of drug action	VPS3031 Spectroscopy	VPS3011 Synthetic medicinal chemistry
SEM 2	VPS3012 Drug discovery and development	VPS3022 Chemical technologies for the pharmaceutical sciences	VPS3082 Research project	Elective unit Choose one of: <ul style="list-style-type: none"> ▪ VPS3032 Current aspects of pharmaceutical biology ▪ VPS3042 Disease states and pharmacological intervention ▪ VPS3102 Product development III ▪ VPS3092 Computational chemistry in drug design

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

For more information about the Bachelor of Pharmaceutical Science contact:

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