Commencing 2007 onwards

BACHELOR OF SCIENCE
(BIOCHEMISTRY/CHEMISTRY) Course Code Z052Y

Course Coordinator:
Ian Harding

	Code	Units of Study	Pre-requisite(s)	Convener	Tel
First & Second Academic Semesters					
Sem 1	HES1510	Chemistry 1	Nil, knowledge of Year 12 chemistry is assumed	Daniel Eldridge	5681
	HES1610	Concepts of Biology	Nil	Mrinal Bhave	5759
	HES1626	Prof Skills for Biotechnologists	Nil	Mrinal Bhave	5759
	HMS101 *	Foundation Mathematics	Any mathematical subject at VCE level		
Sem 2	HES1525	Chemistry 2	HES1510, or a credit in HES1490, or equivalent	Ian Harding	8715
	HES1555	Consumer Science	Year 12 Chemistry or HES1510	Ian Harding	8715
	HES1616	Concepts of Biotechnology	Nil	Mrinal Bhave	5759
	HMS102	Intro to Statistics	Nil	Neela Khan	8030
Third & Fourth Academic Semesters					
Sem 1	HES2621	Introduction to Biochemistry	HES1610 and either HES1510 or HES1490	Tony Barton	8893
	HES2631	The Microbial World	HES1610	Enzo Palombo	8571
		Choose one of: (if you choose HES2541, you cannot do HES2510)			
	HES2540	Forensic & Analytical Science	HES1525	Peter Mahon	4880
	~~HES2541~~	~~Analytical Chemistry~~	~~HES1525 or HES1555~~	Peter Mahon	4880
		Choose one of: (if you choose HES2510, you cannot do HES2541)			
	HES2510	Investigative Chemistry Prac 1	HES1525	Peter Mahon	4880
	HES4701	Research Skills Project	Completion of 100 cp of major	Elena Ivanova	5137
	HBN200N	New Venture Development	Nil		
		Elective Sequence 1			
Sem 2	HES2626	Biochemistry of Genes & Proteins	HES2621 and HES1525 - in 2011 this unit will only run in semester 1	Mrinal Bhave	5759
	HES2636	Microbes in the Environment	HES2631	Enzo Palombo	8571
	HAC0001 ▲	Careers in the Curriculum	Nil		
		Choose one of: (if you chose HES2526, you cannot do HES2515)			
	HES2520	Chemistry 3	HES1525	Peter Mahon	4880
	~~HES2526~~	~~Organic Chemistry~~	~~HES1525 or HES1555~~	Ian Harding	8715
		Choose one of:			
	HES2515	Investigative Chemistry Prac 2	HES1525	Bob Laslett	8569
	HBN200N	New Venture Development	Nil		
		Elective Sequence 2			
Optional IBL Semesterss					
Sem 1	HSW050	Industry Based Learning	Completion of Year 1 & 2	Louise Dunn	8770
Sem 2	HSW055	Industry Based Learning	Completion of Year 1 & 2	Louise Dunn	8770
Fifth & Sixth Academic Semesters					
Sem 1	HES4510	Investigative Chemistry Prac 3	One of HES2510, HES2515, HES2541 or HES2526.	Margaret Wong	8542
	HES4520	Advanced Chemistry 1	One of HES2510, HES2515, HES2520, HES2526, HES2540 or HES2541	Margaret Wong	8542
	HES4621	Advanced Biochemistry	Completion of at least 60% of second year including either HES2621 or HES2626	Tony Barton	8893
	HES4641	Practical Biochemistry	Completion of at least 60% of second year including either HES2621 or HES2626	Tony Barton	8893
Sem 2	HES4626	Biotechnology	Completion of at least 60% of second year including either HES2621 or HES2626	Tony Barton	8893
	HES4646	Biotechnology Research Project	Completion of at least 60% of second year including either HES2621 or HES2626 . HES4641 is highly recommended	Tony Barton	8893
		Choose one of:			
	HES4516	Research Project	Completion of at least 60% of second year and the selection of an appropriate research project and supervisor	Peter Mahon	4880
	HES4525	Advanced Chemistry 2	One of HES2510, HES2515, HES2520, HES2526, HES2540 or HES2541	Ian Harding	8715
		Choose one of:			
	HES4516	Research Project	Completion of at least 60% of second year, selection of an appropriate research project and supervisor.	Ian Harding	8715
	HES4525	Advanced Chemistry 2	One of HES2510, HES2515, HES2520, HES2526, HES2540 or HES2541	Peter Mahon	4880
	HES4628	Environmental Biotechnology	Completion of at least 60% of second year including either HES2621 or HES2626	Mrinal Bhave	5759
	HBN200N	New Venture Development	Nil		
		Free Elective			
		Elective Sequence 3			

* May be replaced by HMS111 if student intends to continue studying mathematics at a higher level.

▲ HAC0001 Careers in the Curriculum is a compulsory subject for students commencing from 2007. 100% fee exempt and no credit points.

Information correct when updated October 2010.