

	Code	Units of Study	Pre-requisite(s)	Convener	Tel
First & Second Academic Teaching Period					
Sem 1	HES1510 *	Chemistry 1*	NIL, knowledge of Year 12 chemistry is required.	Daniel Eldridge	5681
	HES1610	Concepts of Biology	NIL	Mrinal Bhawe	5759
	HMS101 **	Foundation Mathematics	Any mathematical subject at VCE level	Chris Barling	8289
	HES1626	Prof Skills for Biotechnologists	NIL	Mrinal Bhawe	5759
Sem 2	HES1525 ***	Chemistry 2	HES1510 (HES1500), or a credit in HES1490 (HES1500E), or equivalent.	Ian Harding	8715
	HES1555	Consumer Science	NIL, however HES1510, HES1490, or equivalent is highly recommended.	Ian Harding	8715
	HES1616	Concepts of Biotechnology	NIL. HES1610 highly recommended	Mrinal Bhawe	5759
	HMS102	Intro to Statistics	NIL		
Third & Fourth Academic Teaching Period					
Sem 1	HES2621	Introduction to Biochemistry	HES1525 or HES1510 plus organic chemistry# HES1616 highly recommended.	Tony Barton	8893
	HES2631	The Microbial World	NIL, however HES1610, HES1616, or equivalent is highly recommended.	Enzo Palombo	8571
		Elective (see rules below)			
		Elective (see rules below)			
Sem 2	HES2626	Biochemistry of Genes & Proteins	HES1525 or HES1510 (HES1500) plus organic chemistry# HES1616 highly recommended.	Mrinal Bhawe	5759
	HES2636	Microbes in the Environment	NIL, however HES1610, HES1616, or equivalent is highly recommended.	Enzo Palombo	8571
	HAC0001 ▲	Careers in the Curriculum	NIL		
		Elective (see rules below)			
		Elective (see rules below)			
Optional IBL Teaching Period					
Sem 1	HSW050	Industry Based Learning	Completion of Year 1 & 2	Annette Pelgrim	8753
Sem 2	HSW055	Industry Based Learning	HSW050	Annette Pelgrim	8753
Fifth & Sixth Academic Teaching Period					
Sem 1	HES4621	Advanced Biochemistry	Completion of at least 60% of second year including one of HES2621 or HES2626.	Tony Barton	8893
	HES4641	Practical Biochemistry	Completion of at least 60% of second year including one of HES2621 or HES2626.	Tony Barton	8893
		Elective (see rules below)			
		Elective (see rules below)			
Sem 2	HES4626	Biotechnology	Completion of at least 60% of second year including one of HES2621 or HES2626.	Tony Barton	8893
	HES4646	Biotechnology Research Project	Completion of at least 60% of second year including one of HES2621 or HES2626. HES4641 highly recommended.	Tony Barton	8893
		Elective (see rules below)			
		Elective (see rules below)			

* May be replaced by HES1490 for students without year 12 chemistry.

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

*** May be replaced by HES1510 for students who attempt HES1490. In this case, HES1525 must be completed at a later stage as a replacement for one of the electives.

organic chemistry can be either a pass in the organic chemistry section of HES1525 or a pass in the self-paced organic chemistry module available through the Unit of Study convener of HES1525 or through the Program Manager.

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

Choose one elective from Group A, one elective from Group B, one elective from Group C, one elective from either A, B, or C, and four free electives.

Electives		Group A Electives			
Sem 1 & 2	HES4516	Research Project	Completion of at least 60% of second year, selection of an appropriate research project and supervisor.	Francois Malherbe	5361
Sem 2	HES4525	Advanced Chemistry 2	At least one of HES2510, HES2515, HES2520, HES2526, HES2540 or HES2541.	Peter Mahon	4880
Group B Electives					
Sem1	HES2510*	Investigative Chemistry Prac 1	HES1525 or HES1555	Peter Mahon	4880
Sem 2	HES2515**	Investigative Chemistry Prac 2	HES1525 or HES1555 plus organic chemistry #	Ian Harding	8715
Sem 2	HES2520**	Chemistry 3	HES1525 or HES1555 plus organic chemistry #	Peter Mahon	4880
Sem 2	HES2526**	Organic Chemistry	HES1525 or HES1555 plus organic chemistry #	Ian Harding	8715
Sem 1	HES2540*	Forensic & Analytical Science	HES1525 or HES1555	Peter Mahon	4880
Sem 1	HES2541*	Analytical Chemistry	HES1525 or HES1555	Peter Mahon	4880
Sem 1	HES2700	Food Science	HES1490 or HES1510	Bob Laslett	8569
Sem 2	HES2705	Water Science	HES1490 or HES1510	Daniel Eldridge	5681
Sem1	HES4701	Research Skills Project	HMS102	Elena Ivanova	5137
Group C Electives					
Sem 2	HES2715	Built and Sustainable Communities	NIL	Louise Dunn	8770
Sem 2	HES2735	Communicable Disease Control	NIL	Louise Dunn	8770
Sem 1	HES4720	Environmental Management	NIL	Ian Harding	8715
Sem 2	HES4628	Environmental Biotechnology	Completion of at least 60% of second year including one of HES2621 or HES2626.	Mrinal Bhawe	5759
Sem 2	HAS303	Genetics & Society	HAS100/HAS111 or HAS101/HAS112		
Free Electives - Recommended from Group A, B, or C as well as:					
S1 or S2	HBN200N	New Venture Development		Susan Rushworth	8438
		Elective Sequence 1, 2 and 3			

*Credit cannot be given for HES2541 as well as HES2510 or HES2540

**Credit cannot be given for HES2526 as well as HES2520 or HES2515