

	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	Joe Sampson	8020
	HES1626	Prof Skills for	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	Year 12 Chemistry or HES1510	Ian Harding	8715
	HES1616	Concepts of Biotechnology	Nil. HES1610 highly recommended	Mrinal Bhawe	5759
	HMS102	Intro to Statistics	Nil	Alec Stephenson	8214
Third & Fourth Academic Teaching Period					
Sem 1	HES2621	Introduction to Biochemistry	HES1610; and HES1510 or HES1490	Tony Barton	8893
	HES2631	The Microbial World	HES1610	Enzo Palombo	8571
	<i>Choose one of: (if you choose HES2541, you cannot do HES2510)</i>				
	HES2540	Forensic & Analytical Science	HES1525	Peter Mahon	4880
	HES2541	Analytical Chemistry	HES1525 or HES1555	Peter Mahon	4880
	<i>Choose one of: (if you choose HES2510, you cannot do HES2541)</i>				
	HES2510	Investigative Chem Prac 1	HES1525	Peter Mahon	4880
	HES4701	Research Skills Project	Completion of 100 points of major	Elena Ivanova	5137
	HBN200N	New Venture Development	Nil	Chris Brown	8947
	Elective Sequence 1				
Sem 2	HES2626	Biochemistry of Genes &	HES1525 and HES2621	Mrinal Bhawe	5759
	HES2636	Microbes in the Environment	HES2631	Enzo Palombo	8571
	HAC0001	Careers in the Curriculum	NIL		
	<i>Choose two of:</i>				
	HES2520	Chemistry 3	HES1525	Peter Mahon	4880
	HES2515	Investigative Chem Prac 2	HES1525	Bob Laslett	8569
	HBN200N	New Venture Development	Nil	Chris Brown	8947
	Elective Sequence 2				
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	HES4520	Advanced Chemistry 1	At least one of HES2510, HES2515, HES2520, HES2526, HES2540 or HES2541	Margaret Wong	8542
	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
	<i>Choose one of: (if you choose HBSG200, you must do HES4516 & HES4525 in semester 2)</i>				
	HES4510 •	Investigative Chem Prac 3	At least one of HES2510, HES2515, HES2541 or HES2526	Margaret Wong	8542
	HBN200N	New Venture Development	Nil	Chris Brown	8947
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
	<i>Choose two of: (if you did HES4510 in semester 1, you must do either HES4516 or HES4525)</i>				
	HES4516 •	Research Project	Completion of at least 60% of second year, selection of an appropriate research project and supervisor.	Peter Mahon	4880
	HES4525 •	Advanced Chemistry 2	At least one of HES2510, HES2515, HES2520, HES2526, HES2540 or HES2541	Ian Harding	8715
	HBN200N	New Venture Development	Nil	Chris Brown	8947
	HES4628	Environmental Biotechnology	Completion of at least 60% of second year including one of HES2621 or HES2626.	Mrinal Bhawe	5759
	Free Elective				
	Elective Sequence 3				

* 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.

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

• Two of these three subjects must be completed within this degree.

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.