

	Code	Units of Study	Pre-requisite(s)	Convener	Tel
First and Second Academic Semesters					
Sem 1	HET102	Introductory Physiology	Nil	Mark Schier	8713
	HET124	Energy & Motion	Nil	Wayne Rowlands	8142
	HMS111	Engineering Mathematics 1	VCE Mathematical Methods or equivalent	David Richards	8698
		<i>First Year Elective Studies (choose one) or Elective Plus unit</i>			
Sem 2	HET133	Human Physiology	Nil	Per Line	5214
	HET182	Electronics Systems	Nil	Alex Mazzolini	8866
	HMS112	Engineering Mathematics 2	HMS111 or equivalent	Joe Sampson	8020
	HIT2080	Introduction to Programming	Nil	James Hamlyn-Harris	8672
Third and Fourth Academic Semesters					
Sem 1	HET128	Physics 2	HET182 & HET124	Peter Cadusch	8864
	HET210	Electronics	HET182 & HMS112	George Banky	8318
	HET240	Cellular Biophysics	HET102; and either HET124 or HET182	Peter Line	5214
	HMS213	Engineering Mathematics 3B	HMS112	William Phillips	8286
Sem 2	HET230	Cardiovascular Biophysics	HET102; and either HET124 or HET182	Andrew Wood	8867
	HET235	Biomedical Electronics	HET210 or HET182	David Simpson	5212
	HET260	Renal and Respiratory Biophysics	HET133; and either HET124 or HET182	Peter Line	5214
	HAC0001*	Careers in the Curriculum	Nil		
		<i>Business/Entrepreneurship Studies (choose one) or Elective Plus unit</i>			
Optional Biomedical IBL Year					
Sem 1	HSW050	Industry Based Learning	Completion of first 4 academic Semesters	Annette Pelgrim	8753
Sem 2	HSW055	Industry Based Learning	HSW050	Annette Pelgrim	8753
Fifth and Sixth Academic Semesters					
Sem 1	HET227	Neurophysiology	HET102; and HET148 or HET182	Mark Schier	8713
	HET408	Biomedical Imaging & Emerging Technologies	HMS211 or HMS213	David Liley	8812
	HET422*	Biomedical Project	200 credit points excluding IBL	Mark Schier	8713
		<i>Biomedical Elective Studies (choose one) or Elective sequence #3</i>			
Sem 2	HET226	Sensory Systems	HET102 or HET133	Joe Ciorciari	8563
	HET419	Physiological Modelling	HET128 or HMS213	David Liley	8812
	HET426	Instrumentation Project	Completion of Year 1 & 2 (recommended)	Anthony Bartel	5271
		<i>Instrumentation/Computing Studies (choose one)</i>			

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

* HET422 Biomedical Project is a compulsory subject for students commencing from 2007. Can not be taken during IBL.

Group	Code	Units of Study	Prerequisite(s)	Semester Offered
Compulsory Unit	HAC0001	Careers in the Curriculum*	Nil	S1,S2
Biomedical Sciences (BMS) Core Studies (all 12.5 CP)	HET102	Introductory Physiology	Nil	S1
	HET124	Energy & Motion	Nil	S1 & S2
	HET128	Physics 2	HET182 and HET124	S1
	HET133	Human Physiology	Nil	S2
	HET182	Electronic Systems	Nil	S1 & S2
	HET210	Electronics	HET182 & HMS112	S1
	HET226	Sensory Systems	HET102 or HET133	S2
	HET227	Neurophysiology	HET102; and HET148 or HET182	S1
	HET230	Cardiovascular Biophysics	HET102; and HET124 or HET182	S2
	HET235	Biomedical Electronics	HET210 or HET182	S2
	HET240	Cellular Biophysics	HET102; and HET124 or HET182	S1
	HET260	Renal & Respiratory Biophysics	HET133 and either HET124 or HET182	S2
	HET408	Biomedical Imaging & Emerging Technologies	HMS211 or HMS213	S1
	HET419	Physiological Modelling	HET128 or HMS213	S2
	HET422	Biomedical Project*	200 credit points excluding IBL.	S1
	HET426	Instrumentation Project	Recommended completion of years 1 and 2	S2
	HMS111	Engineering Mathematics 1	VCE Mathematical Methods or equivalent	S1 & S2
	HMS112	Engineering Mathematics 2	HMS111 or equivalent	S1,S2
	HMS213	Engineering Mathematics 3B	HMS112	S1
	HIT2080	Introduction to Programming	Nil	S1 & S2
First Year Elective Studies (all 12.5 CP)	HMA103	Statistics & Research Methods A	Nil	S1,S2
	HES1510	Chemistry 1	Nil. Knowledge of Year 12 chemistry is required.	S1,S2
	HAH103	Critical Thinking	Nil	S1,S2
Biomedical Elective Studies (all 12.5 CP)	HET219	Neurological Monitoring	HET102	S1
	HET527	Sleep and Attention	HET226 or HET219	S1
	HMA278	Design & Measurement 2	HMA103	S1 & S2
Instrumentation & Computing Studies (all 12.5 CP)	HET214	Circuits & Electronics 1	HMS112 and HET182	S1
	HET312	Control and Automation	HET182; and HMS213 or HMS211	S1
	HET329	Digital Signal & Image Processing	HMS211 or HMS213	S2
	HET417	Photonics & Fibre Optics	Nil	S1
	HET425	Nucleonics and Spectroscopy	HET182 and HET124	S1
	HIT3181	Technical Software Development	HIT2080	S1 & S2
	HIT3138	Intelligent Systems	Nil	S2
HMS214	Engineering Mathematics 4B	HMS112	S2	
Business/ Entrepreneurship Studies (all 12.5 CP)	HBN200N	New Venture Development	Nil	S1 & S2
	HES3380	Engineering Management 1	100 credit points	S1 & S2
	HES5380	Engineering Management 2	100 credit points	S1 & S2

Students complete a minimum of 300 credit points according to the following rules:

- 250 credit points from Biomedical Sciences (BMS) Core Studies,
- 12.5 credit points chosen from First Year Elective Studies (or Elective Plus unit),
- 12.5 credit points chosen from Business/Entrepreneurship Studies (or Elective Plus unit),
- 12.5 credit points chosen from Biomedical Elective Studies (or Elective Plus unit), and a further
- 12.5 credit points chosen from Instrumentation/Computing Studies.

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* HET422 Biomedical Project is a compulsory subject for students commencing from 2007. Can not be taken during IBL.