

Recommended Enrollment Plans for Students in the BE(hons)(Electrical and Biomedical Engineering) Program:

The 2017 program rules for the BE(electrical & biomedical) program provide a considerable choice of electives:

(https://www.uq.edu.au/study/plan_display.html?acad_plan=ELBIOW2342)

While students are free to make their own selection from the electives list, we provide a selection of recommended enrolment plans that align with a particular discipline focus. In the following pages we provide enrolment plans with elective streams in the following themes:

- **Biomedical Devices and Medical Imaging:** Technical biomedical engineering courses are supported by introductory biomedical sciences and physiology courses and an advanced biomaterials course (this plan is similar to the courses required for the pre-2017 rules).
- **Bioinformatics:** Students can choose part C electives from core courses in the BSc(bioinformatics) program. Bioinformatics naturally complements the biomedical signal processing, mathematics and health technology that is covered within the ITEE technical courses.
- **Biomedical Sciences:** Students can choose a wider range of courses on the Part C list which originate from the BSc(biomedical sciences) course list. This option will suit students with an interest in postgraduate health studies (i.e. medicine), or with an interest obtaining a deeper understanding of the biological sciences to augment their technical studies.

An enrollment plan is also provided for students who choose to pursue the BE(hons)(Elec+Bio)/BSc(Biomedical Science) dual degree. This enrolment plan provides a structure that allows students to complete the dual degree in 5-years full time (students who commence year 1 without having completed Math C at high school have to complete MATH1052 in summer semester at the end of year 1; and ultimately end up completing #82).

Legend:

	Compulsory BE(elec+bio) course
	Part B and Part C electives
	Free Elective
	BSc Course (for dual degree BE/BSc only)

Medical Devices and Imaging Electives Stream:

Proposed study plan – BE(Hons) – Electrical & Biomedical Engineering - March start with Maths C					
Sem 1 (March)	ENGG1100	MATH1051	ENGG1300	CSSE1001	
Sem 2 (July)	ENGG1200	MATH1052	PHYS1002	BIOL1020	
Sem 3 (March)	CSSE2010	MATH2001	ELEC2003	BIOL1040	
Sem 4 (July)	ENGG2800	MATH 2010	STAT 2202	ELEC2004	CSSE2310
Sem 5 (March)	CSSE3010	ELEC3004	ELEC3400	BIOM2011 or BIOM2020	
Sem 6 (July)	ENGG3800	ELEC4403	ELEC3100	ELEC4620	
Sem 7 (March)	ENGG4801 (4 units)	ENGG4900	ELEC4630	Free Elective or Part B or Part C Elective	
Sem 8 (July)		ELEC4601	CHEE4305	Free Elective or Part B or Part C Elective	

Proposed study plan – BE(Hons) – Electrical & Biomedical Engineering - March start without Maths C					
Sem 1 (March)	ENGG1100	MATH1050	ENGG1300	CSSE1001	
Sem 2 (July)	ENGG1200	MATH1051	MATH1052	PHYS1002	
Sem 3 (March)	CSSE2010	MATH2001	ELEC2003	BIOL1020 or CHEE1001	
Sem 4 (July)	ENGG2800	MATH 2010	STAT 2202	ELEC2004	CSSE2310
Sem 5 (March)	CSSE3010	ELEC3004	ELEC3400	BIOL1040	
Sem 6 (July)	ENGG3800	ELEC4403	ELEC3100	ELEC4620	
Sem 7 (March)	ENGG4801 (4 units)	ENGG4900	ELEC4630	BIOM2011 or BIOM2020	
Sem 8 (July)		ELEC4601	CHEE4305	Free Elective or Part B or Part C Elective	

Bioinformatics Electives Stream:

Proposed study plan – BE(Hons) – Electrical & Biomedical Engineering - March start with Maths C					
Sem 1 (March)	ENGG1100	MATH1051		ENGG1300	CSSE1001
Sem 2 (July)	ENGG1200	MATH1052		PHYS1002	BIOL1020
Sem 3 (March)	CSSE2010	MATH2001		ELEC2003	CHEM1100
Sem 4 (July)	ENGG2800	MATH 2010	STAT 2202	ELEC2004	CSSE2310
Sem 5 (March)	CSSE3010	ELEC3004		ELEC3400	BIOC2000
Sem 6 (July)	ENGG3800	ELEC4403		ELEC3100	ELEC4620
Sem 7 (March)	ENGG4801 (4 units)	ELEC4630		SCIE2100	MATH3104
Sem 8 (July)		ELEC4601		ENGG4900	BIOL3014

Proposed study plan – BE(Hons) – Electrical & Biomedical Engineering - March start without Maths C					
Sem 1 (March)	ENGG1100	MATH1050		ENGG1300	CSSE1001
Sem 2 (July)	ENGG1200	MATH1051		MATH1052	PHYS1002
Sem 3 (March)	CSSE2010	MATH2001		ELEC2003	BIOL1020 or CHEE1001
Sem 4 (July)	ENGG2800	MATH 2010	STAT 2202	ELEC2004	CSSE2310
Sem 5 (March)	CSSE3010	ELEC3004		ELEC3400	CHEM1100
Sem 6 (July)	ENGG3800	ELEC4403		ELEC3100	ELEC4620
Sem 7 (March)	ENGG4801 (4 units)	ELEC4630		SCIE2100	BIOC2000
Sem 8 (July)		ELEC4601		ENGG4900	BIOL3014

Biomedical Sciences Electives Stream:

Proposed study plan – BE(Hons) – Electrical & Biomedical Engineering - March start with Maths C					
Sem 1 (March)	ENGG1100	MATH1051		ENGG1300	CSSE1001
Sem 2 (July)	ENGG1200	MATH1052		PHYS1002	BIOL1020
Sem 3 (March)	CSSE2010	MATH2001		ELEC2003	BIOL1040
Sem 4 (July)	ENGG2800	MATH 2010	STAT 2202	ELEC2004	CSSE2310
Sem 5 (March)	CSSE3010	ELEC3004		ELEC3400	CHEM1100
Sem 6 (July)	ENGG3800	ELEC4403		ELEC3100	ELEC4620
Sem 7 (March)	ENGG4801 (4 units)	ELEC4630		Part C: i.e. BIOL2200, BIOC2000, BIOM2020	BIOM2011
Sem 8 (July)		ELEC4601		ENGG4900	Part C: i.e. BIOM2012, BIOL2202

Proposed study plan – BE(Hons) – Electrical & Biomedical Engineering - March start with Maths C					
Sem 1 (March)	ENGG1100	MATH1050		ENGG1300	CSSE1001
Sem 2 (July)	ENGG1200	MATH1051		MATH1052	PHYS1002
Sem 3 (March)	CSSE2010	MATH2001		ELEC2003	BIOL1020 or CHEE1001
Sem 4 (July)	ENGG2800	MATH 2010	STAT 2202	ELEC2004	CSSE2310
Sem 5 (March)	CSSE3010	ELEC3004		ELEC3400	BIOL1040
Sem 6 (July)	ENGG3800	ELEC4403		ELEC3100	ELEC4620
Sem 7 (March)	ENGG4801 (4 units)	ELEC4630		Part C: i.e. CHEM1100, BIOL2200, BIOC2000, BIOM2020	BIOM2011
Sem 8 (July)		ELEC4601		ENGG4900	Part C: i.e. BIOM2012, BIOL2202

BE(electrical+bio)/BSc(Biomedical Science) Dual Degree Enrolment Plan:

Proposed study plan – BE(Hons) (Electrical & Biomedical Engineering)/BSc(Biomedical Science) - with Maths C					
Sem 1 (March)	ENGG1100	MATH1051		ENGG1300	CSSE1001
Sem 2 (July)	ENGG1200	MATH1052		PHYS1002	BIOL1020
Sem 3 (March)	CSSE2010	MATH2001		ELEC2003	BIOL1040
Sem 4 (July)	CSSE2310	MATH 2010	STAT 2202	ELEC2004	CHEM1100
Sem 5 (March)	CSSE3010	ELEC3004		ELEC3400	BIOL2200
Sem 6 (July)	ENGG2800	ELEC4620		ELEC3100	Level 2 BSc
Sem 7 (March)	ELEC4630	ENGG4900		Level 3 BSc	Level 2 BSc
Sem 8 (July)	ENGG3800 (Team Project II) (was ENGG4810)	ELEC4601		ELEC4403	Level 3 BSc
Sem 9	ENGG4801 (4 units)	Level 3 BSc		“Late Year” BSc	BE Part B/Part C
Sem 10		BIOM3200		“Late Year” BSc	BE Part B/Part C

Proposed study plan – BE(Hons) (Electrical & Biomedical Engineering)/BSc(Biomedical Science) - without Maths C (requires #82)					
Sem 1 (March)	ENGG1100	MATH1050		ENGG1300	CSSE1001
Sem 2 (July)	ENGG1200	MATH1051		CSSE1001	PHYS1002
Summer	MATH2001				
Sem 3 (March)	CSSE2010	ELEC2003		BIOL1020 or CHEE1001	BIOL1040
Sem 4 (July)	CSSE2310	MATH 2010	STAT 2202	ELEC2004	CHEM1100
Sem 5 (March)	CSSE3010	ELEC3004		ELEC3400	BIOL2200
Sem 6 (July)	ENGG2800	ELEC4620		ELEC3100	Level 2 BSc
Sem 7 (March)	ELEC4630	ENGG4900		Level 3 BSc	Level 2 BSc
Sem 8 (July)	ENGG3800 (Team Project II) (was ENGG4810)	ELEC4601		ELEC4403	Level 3 BSc
Sem 9	ENGG4801 (4 units)	Level 3 BSc		“Late Year” BSc	BE Part B/Part C
Sem 10		BIOM3200		“Late Year” BSc	BE Part B/Part C