

## B.E.(Avionics & Electronic Systems) Academic Plan 2009

### Level I - 24 units

<i>Term</i>	<i>Subject Area</i>	<i>Catalogue Number</i>	<i>Course Description</i>	<i>Units</i>
Sem 1	COMP SCI	1008	Computer Science IA	3.0
Sem 1	ELEC ENG	1009	Electrical and Electronic Engineering IA	3.0
Sem 1	MATHS	1011	Mathematics IA* <i>or</i>	3.0
	MATHS	1013	Mathematics IMA*	
Sem 1	PHYSICS	1100	Physics IA	3.0
				<b>12.0</b>
Sem 2	COMP SCI	1009	Computer Science IB	3.0
Sem 2	ELEC ENG	1010	Electrical and Electronic Eng 1B	3.0
Sem 2	MATHS	1012	Mathematics IB* <i>or</i>	3.0
	MATHS	1011	Mathematics 1A*	
Sem 2	MECH ENG	1007	Eng Mechanics - Dynamics	3.0
				<b>12.0</b>

\* Students who have undertaken SACE Stage 2 Specialist Maths will be required to enrol in Mathematics 1A followed by Mathematics 1B.

\* Students who have not taken SACE Stage 2 Specialist Maths will be required to enrol in Mathematics IMA followed by Mathematics 1A and Mathematics 1B. It is strongly recommended that students should enrol in Mathematics 1B in the following summer semester to complete the requirements at Level 1. The satisfactory completion of Mathematics IMA is in addition to the normal requirements of the B.E. Plan but a requirement for students who do not have SACE Stage 2 Specialist Maths. Enrolment in summer will enable students to complete the program in the minimum amount of time.

### Level II - 24 units

<i>Term</i>	<i>Subject Area</i>	<i>Catalogue Number</i>	<i>Course Description</i>	<i>Units</i>
Sem 1	COMP SCI	2004	Data Structures and Algorithms	3.0
Sem 1	MATHS	2201	Engineering Maths I	3.0
Sem 1	ELEC ENG	2008	Electronics II	3.0
Sem 1	ELEC ENG	2011	Circuit Analysis	3.0
				<b>12.0</b>
Sem 2	COMP SCI	2000	Computer Systems	3.0
Sem 2	ELEC ENG	2009	Engineering Electromagnetics	3.0
Sem 2	MATHS	2202	Engineering Maths II	3.0
Sem 2	ELEC ENG	2007	Signals and Systems	3.0
				<b>12.0</b>

**Courses are indicative only in levels 3 - 4**

### Level III - 24 units

<i>Term</i>	<i>Subject Area</i>	<i>Catalogue Number</i>	<i>Course Description</i>	<i>Units</i>
Sem 1	ELEC ENG	3016	Control III	3.0
Sem 1	ELEC ENG	xxxx	Signal Processing III	3.0
Sem 1	ELEC ENG	xxxx	Practical Electrical and Electronic Design III Part 1	3.0
Sem 1	ELEC ENG	3018	RF Engineering III	3.0
				<b>12.0</b>
Sem 2	ELEC ENG	xxxx	Digital Systems	3.0
Sem 2	ELEC ENG	xxxx	Complex Systems	3.0
Sem 2	COMP SCI	3006	Software Engineering and Project	3.0
Sem 2	MECH ENG	3100	Aeronautical Engineering	3.0
				<b>12.0</b>

