

Bachelor of Engineering (Honors) (Electronics) – Instrumentation and Control System Major			
Year 1 – Semester 1 (Stage 1)			
COM502	Engineering Communication and Practices		15
MEB502	Engineering Materials		15
CEB503	Computer Aided Drafting and Modelling		15
MTH517	Mathematics for Engineers I		15
Year 1 – Semester 2 (Stage 2)			
EEB501	Introduction to Electrical and Electronics Engineering		15
CSC501	C++ Programming for Engineers		15
MEB503	Engineering Mechanics		15
MTH518	Mathematics for Engineers II		15
Year 2 – Semester 1 (Stage 3)			
MTH618	Mathematics for Engineers III		15
EEB601	Circuit Theory		15
EEB602	Analog Electronics		15
EEB603	Digital Electronics		15
Year 2 – Semester 2 (Stage 4)			
EEB604	Engineering Computations and Modelling		15
EEB605	Engineering Electromagnetics		15
EEB681	Engineering Planning		15
PEB601	Design Project I		15
Year 3 – Semester 1 (Stage 5)			
EEB 721	Principles of Measurement and Instrumentation		15
EEB 731	Signals and Systems		15
EEB 741	Embedded System Design		15
PEB 702	Engineering and Society		15
Year 3 – Semester 2 (Stage 6)			
EEB 701	Industrial Electronics		15
EEB 723	Industrial Instrumentation		15
EEB 722	Control Systems		15
PEB 701	Design Project II		15
Year 4 – Semester 1 (Stage 7)			
EEB 821	Advanced Digital Control		15
EEB 831	Digital Signal Processing		15
EEB 851	Industrial Automation		15

PEB 801	Capstone Design Project I		15
Year 4 – Semester 2 (Stage 8)			
EEB 841	VHDL & Logic Synthesis		15
EEB881	Innovation Management & New Product Development		15
PEB 802	Capstone Design Project II		30
TOTAL PROGRAMME CREDIT POINTS			48 0