BB-ERMSCS2 Bachelor of Engineering (Robotics and Mechatronics) (Honours) /
Bachelor of Computer Science (Cybersecurity)
Recommended Study Sequence (March Intake)

Year	Semester	Unit of Study		Prerequisites / Co-requisites (CR)
		Unit Code	Unit Name	
1	Sem 1 March semester	ENG10003	Mechanics of Structures	Nil
		PHY10004	Electronics and Electromagnetism	Nil
		MTH10013	Linear Algebra and Applications	Nil
		COS10009	Introduction to Programming	Nil
	Sem 2 Sept semester	MTH10012	Calculus and Applications	Nil
		ENG10001	Engineering, Design and Innovation	Nil
		ENG10002	Engineering Materials	Nil
		PHY10001	Energy and Motion	Nil
2	Sem 3 March semester	MTH20014	Mathematics 3B	(MTH10012 & MTH10013) / MTH10007
		EEE20006	Circuits and Electronics 1	PHY10004/EEE10001 & MTH10013/MTH10007
		EEE20001	Digital Electronics Design	Nil
		MEE20002@	Computer Aided Engineering Mechanical	ENG10001/RME10001
	Sem 4 Sept semester	MEE20004	Structural Mechanics	ENG10003/CVE10004
		MEE20006	Machine Dynamics 1	MTH10013/MTH10007 & PHY10001
		RME20001	Electrical Actuators and Sensors	PHY10004/EEE10001
		SWE20004	Technical Software Development	ENG10004/COS10001/COS10009/RME10001
3	Sem 5 March semester	MEE30003@	Machine Design	MEE20004
		EEE20003@	Embedded Microcontrollers	EEE20001 & (SWE20004/COS10009/RME10001/RME10002)
		COS20015	Fundamentals of Data management	COS10009
		TNE10006	Network and Switching	Nil
		EAT20008	Professional Experience in Engineering#	*Introductory Seminar*
	Sem 6 Sept semester	MME30001@	Engineering Management 1	100 credit points
		EEE30004*@	Digital Signal Processing	(MTH20005/MTH20010/MTH20014) & (EEE20002/EEE20006)
		COS10011	Creating Web Applications	COS10009 (CR)
		INF30020	Information Systems Risk and Security	100CP & SWE20004 / COS20007 / INF10003
4	Sem 7 March semester	RME30002@	Control and Automation	(MTH20014/MTH20007/MTH20005) & (PHY10004/EEE20006/EEE10001)
		MEE40003*@	Machine Dynamics 2	MEE20006
		TNE20002	Network Routing Principles	TNE10006
		ICT30010	eForensic Fundamentals	TNE10006
	Sem 8 Sept semester	RME40002*@	Mechatronics Systems Design	EEE20003
		RME30003@	Robotic Control	RME30002
		COS30015	IT Security	COS10009 & COS10011 & TNE10006
		SWE20001	Development Project 1 - Tools and Practices	SWE20004 / COS10009
5	Sem 9 March semester	ENG40001*@	Final Year Research Project 1	287.5 credit points
		RME40003*@	Robot System Design	250 credit points
		TNE30009	Network Security & Resilience	TNE10006
		TNE30012	Secure Remote Access Networks	TNE20002
	Sem 10 Sept semester	ENG40002*@	Final Year Research Project 2	ENG40001
		MME40001	Engineering Management 2	100 credit points
		ICT30005	Professional Issues in IT	200 credit points
		Elective	Elective Unit	-

11 Core units (Engineering)	**16** Robotics and Mechatronics Major units	* Outcome Units (R&M)
5 Core units (Computer Science)	**7** Cybersecurity Major units	@ Honours Merit Units (R&M)
Elective unit	Industrial Placement	

Note:

EAT20008 Professional Experience in Engineering is compulsory for all students. It must be taken before the last semester of study as part of EAC's requirement. Introductory Seminar will be conducted in week 4 of semester.