

BEng (Computer Engineering) CGPA computation under the Business and BEng (CE) Double Degree Programme (BCE)

		BEng (CE)	AU Load	
Discipline Requirements	Core	MH1812 Discrete Mathematics	3	
		CE1002 Introduction to Computing Systems	3	
		CE1003 Introduction to Computational Thinking	3	
		CE1004 Great Ideas in Computing	2	
		CE1005 Digital Logic	3	
		CE1006 Computer Organisation and Architecture	3	
		CE1007 Data Structures	3	
		CE1008 Engineering Mathematics	3	
		CE2001 Algorithms	3	
		CE2002 Object Oriented Design and Programming	3	
		CE2003 Digital Systems Design	3	
		CE2004 Circuits and Signal Analysis	3	
		CE2005 Operating Systems	3	
		CE2006 Software Engineering	3	
		CE2007 Microprocessor-based Systems Design	3	
		CE3001 Advanced Computer Architecture	3	
		CE3002 Sensors, Interfacing and Control	3	
		CE3003 Microcontroller Programming	3	
		CE3004 Multidisciplinary Design Project	4	
		CE3005 Computer Networks	3	
		CE3006 Digital Communications	3	
		CE3007 Digital Signal Processing	3	
		CE3079 Professional Internship (jointly fulfilled by AB1000 Career Foundations I, AB2000 Career Foundations II, AB2001 Professional Attachment, BCxxxx Business/IT Integration 1)	8	
		CE4079 Final Year Project	8	
			(82)	
		Major PE	CE4xxx Technical Elective 1	3
			CE4xxx Technical Elective 2	3
CE4xxx Technical Elective 3	3			
BCxxxx Business/IT Integration 2	4			
BCxxxx Business/IT Integration 3	4			
BCxxxx Business/IT Integration 4 (Choose best 3 BCxxxx to be included in the CGPA)	1+3* = 4			
The 3 BC replacement courses are 3 AUs more than the BEng(CE) Major PE requirements	(18) + 3			

General Education Requirements (GER)	Core	CE0001 Engineers & Society	3
		GC0001 Introduction to Sustainability: Multidisciplinary Approaches and Solutions	1
		GC0002 Ethics & Moral Reasoning	1
		ET0001 Enterprise & Innovation	1
		HW0188 Engineering Communication I (fulfilled by AB0601 Communication Management Fundamentals)	2
		HW0288 Engineering Communication II }	4
		ML0001 and ML0002 by MLCPS }	
		(fulfilled by AB0602 Communication Management Strategy)	(12)
	PE	AB1202 Statistical and Quantitative Methods (STS)	3
		AB0901 Principles of Economics (LA)	3
Business & Management (BM)		3	
		(9)	
UE	Unrestricted Electives	6	
	Unrestricted Electives (AUs carried forward from BCxxxx Business/IT integration under Major PE*)	3*	
	Unrestricted Electives (Choose best 6 AUs from all AB1xxx, AB3xxx, BE3xxx except AB1202, AB1301, AB1000, AB2000, AB2001. Note that BCxxxx are not to be included in the basket of choices)	6	
	*The 3 BC replacement courses are 3 AUs more than the BEng(CE) Major PE requirements		
		(15)	
Grand Total			136