

BEng (Computer Science) CGPA computation under the Business and BEng (CS) Double Degree Programme (BCG)

Applicable to Students Admitted in AY2014

	BEng (CS)		AU Load
Discipline Requirements	Core	MH1812 Discrete Mathematics	3
		CZ1002 Introduction to Computing Systems	3
		CZ1003 Introduction to Computational Thinking	3
		CZ1004 Great Ideas in Computing	2
		CZ1005 Digital Logic	3
		CZ1006 Computer Organisation and Architecture	3
		CZ1007 Data Structures	3
		CZ1008 Engineering Mathematics	3
		CZ2001 Algorithms	3
		CZ2002 Object Oriented Design and Programming	3
		CZ2003 Computer Graphics and Visualisation	3
		CZ2004 Human Computer Interaction	3
		CZ2005 Operating Systems	3
		CZ2006 Software Engineering	3
		CZ2007 Database Systems	3
		(fulfilled by BC2402 Data Mgt and Business Intelligence)	
		CZ3001 Advanced Computer Architecture	3
		CZ3002 Advanced Software Engineering	3
		CZ3003 Software Systems Analysis and Design	3
		CZ3004 Multidisciplinary Design Project	4
		CZ3005 Artificial Intelligence	3
		CZ3006 Net Centric Computing	3
		CZ3007 Compiler Techniques	3
	CZ3079 Professional Internship	8	
	(jointly fulfilled by AB1000 Career Foundations I, AB2000 Career Foundations II, AB2001 Professional Attachment, BCxxxx Business/IT Integration 1)		
	CZ4079 Final Year Project	8 (82) +	
		+ BC2402 is 1AU more than CZ2007	1*
Major PE	CZ4xxx Technical Elective 1	3	
	CZ4xxx Technical Elective 2	3	
	CZ4xxx Technical Elective 3	3	
	BCxxxx Business/IT Integration 2	4	
	BCxxxx Business/IT Integration 3	4	
	BCxxxx Business/IT Integration 4	1+3* = 4	
	(BC2402 not included)		
	The 3 BCxxxx replacement courses are 3 AUs more than the BEng(CS) Major PE requirements	(18) + 3	

General Education Requirements (GER)	Core	CZ0001 Engineers & Society GC0001 Introduction to Sustainability: Multidisciplinary Approaches and Solutions GC0002 Ethics & Moral Reasoning ET0001 Enterprise & Innovation HW0188 Engineering Communication I (fulfilled by AB0601 Communication Management Fundamentals) HW0288 Engineering Communication II } ML0001 and ML0002 by MLCPS } (fulfilled by AB0602 Communication Management Strategy)	3 1 1 1 2 4 (12)
	PE	AB1202 Statistical and Quantitative Methods (STS) AB0901 Principles of Economics (LA) AB1301 Business Law (BM)	3 3 3 (9)
	UE	Unrestricted Electives Unrestricted Electives (AUs carried forward from BCxxxx Business/IT integration under Major PE*) Unrestricted Electives <i>(To choose the best 3 AUs from all AB1xxx, AB3xxx, BE3xxx except AB1202, AB1301, AB1000, AB2000 and AB2001. Note BCxxxx are not to be included in the basket of choices)</i> *The 3 BCxxxx replacement courses are 3 AUs more than the BEng(CS) Major PE requirements and these 3 AUs are used to offset 3 AUs of UEs.	9 3* 3 (15)
Grand Total			136 + 1⁺

⁺ BC2402 is 1AU more than CZ2007