

BEng (Computer Engineering) and BA (Economics) (wef AY2018)

List of courses that contribute towards BA(Econs)				AU Load	
Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33 AUs
		HE1002	Macroeconomic Principles	3	
		HE1005	Intro to Probability & Statistical Inference	3	
		HE2001	Intermediate Microeconomics	3	
		HE2002	Intermediate Macroeconomics	3	
		HE2005	Principles of Econometrics	3	
		HE3021	Intermediate Econometrics	3	
		HE4010	Singapore Economy in a Globalized World	4	
		CE4079	Final Year Project	8	
	Major PE	HExxxx	Econs PE1	3	39 AUs
		HExxxx	Econs PE2	3	
		HExxxx	Econs PE3	3	
		HExxxx	Econs PE4	3	
		HExxxx	Econs PE5	3	
		HExxxx	Econs PE6	3	
		HExxxx	Econs PE7	3	
		HExxxx	Econs PE8	3	
		HExxxx	Econs PE9	3	
		HExxxx	Econs PE10	4	
		HExxxx	Econs PE11	4	
		HExxxx	Econs PE12	4	
	UE	MH1812	Discrete Mathematics	3	23 AUs
		CE1011	Engineering Mathematics I	3	
		CE1012	Engineering Mathematics II	3	
		CE1003	Introduction to Computational Thinking	3	
		CE1005	Digital Logic	3	
		CE1006	Computer Organisation and Architecture	3	
		CE1007	Data Structures	3	
		CE1013	Physics for Computing	2	
		CE2001	Algorithms	3	16 AUs from 2nd and 3rd Year Engineering courses that yield the highest CGPA
		CE2002	Object Oriented Design & 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 and Control Systems	3		
CE3003		Microcontroller Programming	3		
CE3005		Computer Networks	3		
CE3006		Digital Communications	3		
CE3007		Digital Signal Processing	3		
CE3004		Multidisciplinary Design Project	4		
General Education Requirements (GER)		GER (Core)	HW0188	Engineering Communication I	
	HW0288		Engineering Communication II	2	
	ML0003		Kickstart your Career Success	1	
	GC0001		Introduction to Sustainability	1	
	HY0001		Ethics and Moral Reasoning	1	
	ET0001		Entrepreneurship and Innovation	1	
	CE0001		Engineers and Society	3	
	CE1015		Introduction to Data Science and Artificial Intelligence	3	
TOTAL				125 AUs	

BEng (Computer Science) and BA (Economics) (wef AY2018)

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Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33 AUs		
		HE1002	Macroeconomic Principles	3			
		HE1005	Intro to Probability & Statistical Inference	3			
		HE2001	Intermediate Microeconomics	3			
		HE2002	Intermediate Macroeconomics	3			
		HE2005	Principles of Econometrics	3			
		HE3021	Intermediate Econometrics	3			
		HE4010	Singapore Economy in a Globalized World	4			
		CZ4079	Final Year Project	8			
	Major PE	HExxxx	Econs PE1	3	39 AUs		
		HExxxx	Econs PE2	3			
		HExxxx	Econs PE3	3			
		HExxxx	Econs PE4	3			
		HExxxx	Econs PE5	3			
		HExxxx	Econs PE6	3			
		HExxxx	Econs PE7	3			
		HExxxx	Econs PE8	3			
		HExxxx	Econs PE9	3			
		HExxxx	Econs PE10	4			
		HExxxx	Econs PE11	4			
		HExxxx	Econs PE12	4			
	UE	MH1812	Discrete Mathematics	3	23 AUs		
		CZ1011	Engineering Mathematics I	3			
		CZ1012	Engineering Mathematics II	3			
		CZ1003	Introduction to Computational Thinking	3			
		CZ1005	Digital Logic	3			
		CZ1006	Computer Organisation and Architecture	3			
		CZ1007	Data Structures	3			
		CZ1013	Physics for Computing	2			
		CZ2001	Algorithms	3	16 AUs from 2nd and 3rd Year Engineering courses that yield the highest CGPA		
		CZ2002	Object Oriented Design & 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				
CZ3001		Advanced Computer Architecture	3				
CZ3002		Advanced Software Engineering	3				
CZ3003		Software Systems Analysis and Design	3				
CZ3005		Artificial Intelligence	3				
CZ3006		Net Centric Computing	3				
CZ3007		Compiler Techniques	3				
CZ3004		Multidisciplinary Design Project	4				
General Education Requirements (GER)		GER (Core)	HW0188	Engineering Communication I		2	14 AUs
			HW0288	Engineering Communication II		2	
	ML0003		Kickstart your Career Success	1			
	GC0001		Introduction to Sustainability	1			
	HY0001		Ethics and Moral Reasoning	1			
	ET0001		Entrepreneurship and Innovation	1			
	CZ0001		Engineers and Society	3			
	CZ1015		Introduction to Data Science and Artificial Intelligence	3			
	TOTAL				125 AUs		