

BEng (Computer Engineering) and BA (Economics)

(Students admitted from AY2019/2020)

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	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			
		UE	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		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				
	EG0001	Engineers and Society		3				
	CE1015	Introduction to Data Science and Artificial Intelligence		3				
	TOTAL				125 AUs			

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		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			
	EG0001		Engineers and Society	3			
	CZ1015		Introduction to Data Science and Artificial Intelligence	3			
	TOTAL				125 AUs		