

**BEng (Computer Engineering) and BA (Economics) (wef AY2016)**

List of courses that contribute towards BA(Econs)				AU Load			
<b>Discipline Requirement</b>	<b>Core</b>	HE1001	Microeconomic Principles	3	<b>33 AUs</b>		
		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			
	<b>Major PE</b>	HExxxx	Econs PE1	3	<b>39 AUs</b>		
		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			
	<b>UE</b>	MH1812	Discrete Mathematics	3	<b>23 AUs</b>		
		CE1011	Engineering Mathematics I	3			
		CE1012	Engineering Mathematics II	3			
		CE1003	Introduction to Computational Thinking	3			
		CE1004	Inventions and Innovations in Computing	2			
		CE1005	Digital Logic	3			
		CE1006	Computer Organisation and Architecture	3			
		CE1007	Data Structures	3			
		CE2001	Algorithms	3	<b>19 AUs from 2<sup>nd</sup> and 3<sup>rd</sup> Year Engineering courses that yield the highest CGPA</b>		
		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				
<b>General Education Requirements (GER)</b>		<b>GER (Core)</b>	HW0188	Engineering Communication I		2	<b>12 AUs</b>
			HW0288	Engineering Communication II		2	
	ML0001		Absolute Basics for Career	1			
	ML0002		Career Power Up!	1			
	GC0001		Introduction to Sustainability	1			
	HY0001		Ethics and Moral Reasoning	1			
	ET0001		Entrepreneurship and Innovation	1			
	CE0001		Engineers and Society	3			
<b>TOTAL</b>				<b>126 AUs</b>			

**BEng (Computer Science) and BA (Economics) (wef AY2016)**

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<b>Discipline Requirement</b>	<b>Core</b>	HE1001	Microeconomic Principles	3	<b>33 AUs</b>		
		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			
	<b>Major PE</b>	HExxxx	Econs PE1	3	<b>39 AUs</b>		
		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			
	<b>UE</b>	MH1812	Discrete Mathematics	3	<b>23 AUs</b>		
		CZ1011	Engineering Mathematics I	3			
		CZ1012	Engineering Mathematics II	3			
		CZ1003	Introduction to Computational Thinking	3			
		CZ1004	Inventions and Innovations in Computing	2			
		CZ1005	Digital Logic	3			
		CZ1006	Computer Organisation and Architecture	3			
		CZ1007	Data Structures	3			
		CZ2001	Algorithms	3	<b>19 AUs from 2<sup>nd</sup> and 3<sup>rd</sup> Year Engineering courses that yield the highest CGPA</b>		
		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				
<b>General Education Requirements (GER)</b>		<b>GER (Core)</b>	HW0188	Engineering Communication I		2	<b>12 AUs</b>
			HW0288	Engineering Communication II		2	
	ML0001		Absolute Basics for Career	1			
	ML0002		Career Power Up!	1			
	GC0001		Introduction to Sustainability	1			
	HY0001		Ethics and Moral Reasoning	1			
	ET0001		Entrepreneurship and Innovation	1			
	CZ0001		Engineers and Society	3			
<b>TOTAL</b>				<b>126 AUs</b>			