BEng (Computer Science) and BSocSci (Economics) (AY2020 Cohort)

List of courses that contribute towards BSocSci (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		
		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		**26 AUs**
		MH1810	Mathematics I	3		
		CZ1104	Linear Algebra for Computing	3		
		CZ1103	Introduction to Computational Thinking and Programming	3		
		CZ1105	Digital Logic	3		
		CZ1106	Computer Organisation and Architecture	3		
		CZ1107	Data Structures and Algorithms	3		
		CZ1113	Physics for Computing	2		
		xxxxxx	Engineering Fundamentals 2	3		
		CZ2100	Probability and Statistics for Computing	3		**13AUs from 2nd and 3rd Year Engineering courses that yield the highest CGPA**
		CZ2101	Algorithm Design and Analysis	3		
		CZ2002	Object Oriented Design & Programming	3		
		CZ2005	Operating Systems	3		
		CZ2006	Software Engineering	3		
		CZ2007	Introduction to Databases	3		
		CZ2008	Computer Networks	3		
		CZ3005	Artificial Intelligence	3		
		CZ4062	Computer Security	3		
		CZ4031	Database System Principles	3		
		CZ3002	Advanced Software Engineering	3		
		CZ3001	Advanced Computer Architecture	3		
		CZ3004	Multidisciplinary Design Project	4		
General Education Requirements (GER)	**GER (Core)**	HW0188	Effective Communication	2		**14 AUs**
		HW0288	Engineering Communication	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		
		CZ1115	Introduction to Data Science and Artificial Intelligence	3		
TOTAL						**125 AUs**

BEng (Computer Engineering) and BSocSci (Economics) (AY2020 Cohort)

List of courses that contribute towards BSocSci (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	**26AUs**	
		MH1810	Mathematics I	3		
		CE1104	Linear Algebra for Computing	3		
		CE1103	Introduction to Computational Thinking and Programming	3		
		CE1105	Digital Logic	3		
		CE1106	Computer Organisation and Architecture	3		
		CE1107	Data Structures and Algorithms	3		
		CE1113	Physics for Computing	2		
		xxxxxx	Engineering Fundamentals 2	3		
		CE2100	Probability and Statistics for Computing	3	**13AUs from 2nd and 3rd Year Engineering courses that yield the highest CGPA**	
		CE2101	Algorithm Design and Analysis	3		
		CE2002	Object Oriented Design & Programming	3		
		CE2003	Digital Systems Design	3		
		CE3002	Sensors Interfacing and Digital Control	3		
		CE2005	Operating Systems	3		
		CE2006	Software Engineering	3		
		CE2107	Microprocessor Systems Design and Programming	3		
		CE3005	Computer Networks	3		
		CE3102	Signal, Systems and Transform	3		
		CE3103	Embedded Programming	3		
		CE3001	Advanced Computer Architecture	3		
		CE3004	Multidisciplinary Design Project	4		
General Education Requirements (GER)	**GER (Core)**	HW0111	Communication: A Journey of Inquiry through Writing and Speech	2	**14 AUs**	
		HW0288	Engineering Communication	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		
		CE1115	Introduction to Data Science and Artificial Intelligence	3		
TOTAL					**125 AUs**	