List of courses that contribute towards the

**BEng (Computer Engineering) CGPA computation under
the BEng (CSC) and B.SocSci (Econs) Double Degree
Programme (CSEC)**

			BEng(CS)		AU Load
Discipline Requirement	Core	SC1003	Introduction to Computational Thinking & Programming		3
		SC1004	Linear Algebra for Computing		3
		SC1005	Digital Logic		3
		SC1006	Computer Organisation and Architecture		3
		SC1007	Data Structures & Algorithms		3
		SC1013	Physics for Computing		2
		EG1001	Engineers in Society		2
		MH1810	Mathematics I		3
		MH1812	Discrete Mathematics		3
		SC2000	Probability and Statistics for Computing		3
		SC2001	Algorithm Design and Analysis		3
		SC2002	Object Oriented Design and Programming		3
		SC2005	Operating Systems		3
		SC2006	Software Engineering		3
		SC2207	Introduction to Databases		3
		SC2008	Computer Networks		3
		SC2079	Multidisciplinary Design Project		4
		SC4079	Final Year Project		8
					(58)
	Major PE	SC3000	Artificial Intelligence (MPE1-a)		3
		SC3010	Computer Security (MPE1-b)		3
		SC3xxx	Major Prescribe Elective (MPE1-c)		3
		SC3xxx	Major Prescribe Elective (MPE1-d)		3
		SC4xxx	Major Prescribe Elective (MPE2-a)		3
		SC4xxx	Major Prescribe Elective (MPE2-b)		3
		SC4xxx	Major Prescribe Elective (MPE2-c)		3
		SC4xxx	Major Prescribe Elective (MPE2-d)		3
					(24)

Interdisciplinary Collaborative Core (ICC)	Common Core (CC)	CC0001	Inquiry and Communication in an Interdisciplinary World	2
		CC0002	Navigating the Digital World	2
		CC0003	Ethics & Civics in a Multi-Cultural World	2
		ML0004	Career & Entrepreneurial Development for the Future World	2
		CC0005	Healthy Living & Wellbeing	3
		CC0006	Sustainability: Human Society Economic & Environment	3
		CC0007	Science & Technology for Humanity	3
				(17)
	Foundational Core (FC)	HW0288	Engineering Communication II	2
		SC1015	Introduction to Data Science & AI	3
		SC3079/ SC3078	Professional Internship /Professional Attachment	10(PI)/5(PA)
				(15/10)
	Broadening & Deepening Electives*	HE1001	Microeconomics I	3
		HE1002	Macroeconomics I	3
		HE2001	Microeconomics II	3
		HE2002	Macroeconomics II	3
		HE2003	Econometrics I	3
		HEXXXX	Economic PE Course	3
			Broadening & Deepening Electives	3(PI)/8(PA)
				(21/26)
Grand Total				**135**

*15AU from compulsory Year 1 and 2 Economics Core Courses, 3AU from Year 3 and 4 Economics PE courses that yield the highest CGPA, +3AU from BDE and +5AU for student who takes PA instead of PI

List of courses that contribute towards the

**B.SocSci (Economics) CGPA computation under the
BEng (CSC) and B.SocSci (Econs) Double Degree Programme (CSEC)**

B.SocSci (Econs)				AU Load
Discipline Requirement	Core	HE1001	Microeconomics I	3
		HE1002	Macroeconomics I	3
		HE2001	Microeconomics II	3
		HE2002	Macroeconomics II	3
		HE2003	Econometrics I	3
		HE3001	Microeconomics III	3
		HE3002	Macroeconomics III	3
		HE3003	Econometrics II	3
		SC4079	Final Year Project	8
				(32)
	Major PE	MH1820	Introduction to Probability and Statistical Methods	3
		HE3xxx	Econ Prescribed Elective 1	3
		HE3xxx	Econ Prescribed Elective 2	3
		HE3xxx	Econ Prescribed Elective 3	3
		HE3xxx	Econ Prescribed Elective 4	3
		HE3xxx	Econ Prescribed Elective 5	3
		HE3xxx	Econ Prescribed Elective 6	3
		HE4xxx	Econ Prescribed Elective 7	4
		HE4xxx	Econ Prescribed Elective 8	4
		HE4xxx	Econ Prescribed Elective 9	4
				(33)

Interdisciplinary Collaborative Core (ICC)	Common Core (CC)	CC0001	Inquiry and Communication in an Interdisciplinary World	2
		CC0002	Navigating the Digital World	2
		CC0003	Ethics & Civics in a Multi-Cultural World	2
		ML0004	Career & Entrepreneurial Development for the Future World	2
		CC0005	Healthy Living & Wellbeing	3
		CC0006	Sustainability: Human Society Economic & Environment	3
		CC0007	Science & Technology for Humanity	3
				(17)
	Foundational Core (FC)	HW0288	Engineering Communication II	2
		SC1015	Introduction to Data Science & AI	3
		SC3079/ SC3078	Professional Internship /Professional Attachment	10(PI)/5(PA)
				(15/10)
	Broadening & Deepening Electives^	SC1003	Introduction to Computational Thinking & Programming	3
		SC1004	Linear Algebra for Computing	3
		SC1005	Digital Logic	3
		SC2001	Algorithm Design and Analysis	3
		SC2002	Object Oriented Design and Programming	3
		SC2005	Operating Systems	3
		SC2006	Software Engineering	3
		SC2207	Introduction to Databases	3
		SC2008	Computer Networks	3
		SC3000	Artificial Intelligence	3
			Broadening & Deepening Electives	5(PA)
				(30/35)
Grand Total				**127**

^ 9AU from Year 1 Engineering graded Core courses that yield the highest CGPA, 21AU from Year 2 and Year 3 Engineering graded courses that yield the highest CGPA, + 5AU (PA only)