

**BEng (Civil Engineering) and BSocSci (Economics) (wef AY2020/2021)**

List of courses that contribute towards BSocSci (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	
		CV4911	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>	PH1011	Physics**	3	<b>27 AUs</b>
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		FE1073	Introduction to Engineering & Practises	1	
		CV1011	Mechanics of Materials	4	
		CV1012	Fluid Mechanics	3	
		CV1013	Civil Engineering Materials	3	
		CV1014	Introduction to Computational Thinking	3	
		CV1711	Civil Engineering Drawing	1	
		-	Engineering Fundamentals 2	3	
		CV2011	Structural Analysis I	3	<b>Remaining 10 AUs from 2<sup>nd</sup> and 3<sup>rd</sup> Year Engineering courses that yield the highest CGPA</b>
		CV2012	Structural Analysis II	3	
CV2013		Engineering Geology & Soil Mechanics	3		
CV2014		Geotechnical Engineering	3		
CV2019		Matrix Algebra & Computational Methods	3		
CV2020		Water Resources Engineering	3		
CV2711		Civil Engineering Laboratory A	1		
CV3011		Reinforced Concrete Design	3		
CV3012		Steel Design	3		
CV3013		Foundation Engineering	3		
CV3014		Transportation Engineering	3		
CV3015		Environmental Engineering	3		
CV3016		Construction Technology & Processes	3		
<b>General Education Requirements (GER)</b>		<b>GER (Core)</b>	CV0001	Civil Engineering and Sustainable Built Environment	
	EG0001		Engineers and Society	3	
	CV0003		Intro to Data Sc. and Artificial Intelligence	3	
	HW0188		Effective Communication	2	
	HW0288		Engineering Communication	2	
	ML0003		Kickstart your Career Success	1	
	HY0001		Ethics and Moral Reasoning	1	
	ET0001		Entrepreneurship and Innovation	1	
<b>TOTAL</b>				<b>125 AU</b>	

**BEng (Environmental Engineering) and BSocSci (Economics) (wef from AY2020/2021)**

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	
		EN4911	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	PH1011	Physics**	3	27 AUs
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		FE1073	Introduction to Engineering & Practices	1	
		CV1011	Mechanics of Materials	4	
		CV1012	Fluid Mechanics	3	
		CV1014	Introduction to Computational Thinking	3	
		CV1711	Civil Engineering Drawing	1	
		EN1001	Environmental Chemistry	3	
		-	Engineering Fundamentals 2	3	
		CV2011	Structural Analysis I	3	Remaining 10 AUs from 2 <sup>nd</sup> and 3 <sup>rd</sup> Year Engineering courses that yield the highest CGPA
		CV2020	Water Resources Engineering	3	
EN2002		Environmental Biology and Microbiology	3		
EN2003		Water Supply Engineering	3		
EN2004		Soil Mechanics	3		
EN2711		Environmental Engineering Laboratory A	1		
EN3001		Solid & Hazardous Waste Management	3		
EN3002		Wastewater Engineering	3		
EN3003		Environmental Transport Processes	3		
EN3004	Air Pollution Control Engineering	3			
EN3006	Energy Resource Engineering	3			
General Education Requirements (GER)	GER (Core)	EG0001	Engineers and Society	3	16 AUs
		CV0003	Intro to Data Sc. and Artificial Intelligence	3	
		EN0002	Environmental Issues and Sustainability	3	
		HW0188	Effective Communication	2	
		HW0288	Engineering Communication #	2	
		ML0003	Kickstart your Career Success	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
<b>Total AUs</b>				<b>125 AU</b>	