

BEng (Aerospace Engineering) and BSocSci (Economics)
(wef AY2025/2026 Intake onwards)

List of Courses that Contributes to BEng (Aerospace Engineering)				AU Load	
Discipline Requirement	Core	MH1810	Mathematics 1	3	85/86*AU
		PH1011	Physics*	3	
		EG1001	Engineers in Society	2	
		MA2001	Mechanics of Materials	3	
		MH1811	Mathematics II	3	
		MA1001	Dynamics	3	
		MA1008	Introduction to Computational Thinking	3	
		MA1700	Aerospace Discovery Course	1	
		MA2003	Introduction to Thermo-fluids	3	
		MA2007	Thermodynamics	3	
		MA2005	Engineering Graphics	3	
		MA2006	Engineering Mathematics	3	
		MA2072	Laboratory Experiments (AE)	1	
		MA2701	Flight Performance	2	
		MA3700	Aircraft Structures I	3	
		MA3701	Aerodynamics	3	
		MA2700	Aerospace Materials & Manufacturing Process	3	
		MA2079	Engineering Innovation and Design	2	
		MA3006	Fluid Mechanics	3	
		MA3705	Aerospace Control Theory	3	
		MA3003	Heat Transfer	3	
		MA3072	Engineering Experiments (AE)	1	
		MA3702	Aircraft Propulsion	3	
		MA3703	Flight Dynamics	2	
		MA3704	Aircraft Electrical Devices	3	
		MA4702	Aircraft Structures II	3	
		MA4705	Aircraft Navigation and Flight Computers	3	
		MA4079	Final Year Project	8	
		MA4701	Aircraft Design	3	
		MA4704	Aeroelasticity	3	
	BDE	HE1001	Microeconomics I	3	<u>18AU</u> 15AU from compulsory Year 1 and 2 Economics Core courses. Remaining 3AU from Year 3 and 4 Economics PE that yield the highest CGPA. + 5AU (PA only)
		HE1002	Macroeconomics I	3	
		HE2001	Microeconomics II	3	
		HE2002	Macroeconomics II	3	
		HE2003	Econometrics I	3	
		HEXXXX	Economics PE	3	
Interdisciplinary Collaborative Core	Common Core	CC0001	Inquiry and Communication in An Interdisciplinary World	2	14AU
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
		CC0015	Health & Wellbeing	2	
		CC0006	Sustainability: Society, Economy & Environment	3	
		CC0007	Science & Technology for Humanity	3	
		ML0004	Career Design & Workplace Readiness in the V.U.C.A World	2	
	Professional Series	HW0288	Engineering Communication	2	16AU or 11AU (PA only)
		MA0218	Introduction to Data Science and Artificial Intelligence	3	
		MA3920/MA3910	Professional Internship/ Professional Attachment	10/5	
		MLxxxx	Profession Preparation	1	
	Care, Serve, Learn (CSL)		Service Learning	3	3
TOTAL					136/137* AU

*Students without 'A' Level Physics will take 'PH1012 Physics A' (4AU).