

AU Required for Aerospace Engineering with Second Major in Business (International Trading) (ASBM-ITP)
 Students admitted from AY2018/2019

Year of Study	Number of Academic Units (AUs)								
	Major Requirements		General Education Requirement (GER)					Total	
	Core	Major PE	GER Core	GER Prescribed Electives			UE		
				BM	LA	STS			Any Category (BM, LA, STS)
1	22/23*	0	3					14	39/40*
2	26	0	8					5	39
3	25	0	3					4	32
4	23	6	0					7	36
Total	96/97*	6	14	0				30	146/147*

*Poly Direct Entry Students and JC students without A Level Physics ONLY

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Course Code and Title	Type	AU	Pre-requisite/ Remarks
YEAR 1 SEMESTER 1			
MH1810 Mathematics I	C	3	
MA1008 Introduction to Computational Thinking	C	3	
PH1011 Physics OR PH1012 Physics A	C	3 OR 4	A Level Physics Only for Poly Direct Entry Students and JC students without A Level Physics
MA1701 Introduction to Aerospace Engineering	C	3	
AD1101 Financial Management	UE	4	
AB1201 Financial Management	UE	3	
GC0001 Introduction to Sustainability: Multidisciplinary Approaches & Solutions	GC	1	
Total		20/21	
YEAR 1 SEMESTER 2			
MH1811 Mathematics II	C	3	
MA1001 Dynamics	C	3	Having read PH1011/PH1012/CY1305 and MH1810/MH2812/CY1201
MA1700 Aerospace Discovery Course	C	1	
MA2001 Mechanics of Materials	C	3	
AB1501 Marketing	UE	3	
BE1401 Business Operations and Processes	UE	4	
HW0188 Engineering Communication I	GC	2	HW0001 (co-requisite)
Total		19	
YEAR 2 SEMESTER 1			
MA2003 Introduction to Thermo-fluids	C	3	
MA2005 Engineering Graphics	C	3	
MA2006 Engineering Mathematics	C	3	FE1006/MH1810 and FE1007/MH1811 or CY1201 and CY1203 or MA1003/MH2812
MA2072 Laboratory Experiments (AE)	C	1	
MA2701 Flight Performance	C	2	MA1001 & MA1700
MA3700 Aircraft Structures I	C	3	MA2001
HY0001 Ethics and Moral Reasoning	GC	1	
ML0003 Career Course	GC	1	
BF2217 Commodity Markets	UE	3	
Total		20	
YEAR 2 SEMESTER 2			
MA0101 Engineers & Society	GC	3	
MA2007 Thermodynamics	C	3	MA2003
MA2700 Aerospace Materials & Manufacturing Processes	C	3	
MA2079 Engineering Innovation and Design	C	2	Semester 2 with 1 week in Special Term
MA3006 Fluid Mechanics	C	3	MA2003
MA0218 Data Science and Artificial Intelligence	GC	3	
BF3214 Commodities Trading	UE	2	
Total		19	

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YEAR 3 SEMESTER 1			
MA3072 Mechanical Experiments	C	1	
MA3701 Aerodynamics	C	3	
MA3702 Aircraft Propulsion	C	3	MA2007
MA3703 Flight Dynamics	C	2	MA1001 & MA1700
MA3704 Aircraft Electrical Devices	C	3	
MA3705 Aerospace Control Theory	C	3	MA3703 and Having Read MA2006
HW0288 Engineering Communication II	GC	2	HW0188
ET0001 Entrepreneurship and Innovation	GC	1	
BF2216 Trade Incoterms & Ship Chartering	UE	4	
Total		22	
YEAR 3 SEMESTER 2			
MA3080 Professional Internship	C	10	ML0003
Total		10	
YEAR 4 SEMESTER 1			
MA4079 Final Year Project	C	4	Year 4 standing, 2 semesters
MA4701 Aircraft Design	C	3	MA3701, MA3702 & MA3703
MA4702 Aircraft Structures II	C	3	MA2001, MA3700 & MA3701
MA4704 Aeroelasticity	C	3	MA3700 & MA3701
MA4705 Aircraft Navigation and Flight Computers	C	3	MH1811/FE1007/CY1203/CY1602/ MH2812/MH2810
BF2302 International Tax and Trading Law	UE	2	
Total		18	
YEAR 4 SEMESTER 2			
MA4079 Final Year Project	C	4	Year 4 standing, 2 semesters
MA48XX Major-PE 1	PE	3	
MA48XX Major-PE 2	PE	3	
MA3003 Heat Transfer	C	3	MA2007
BF3212 Trade, Structured & Supply Chain Finance	UE	2	BF2216
BF3213 Enterprise Risk Management in Commodity Markets	UE	2	
BF4001 Industry Seminar	UE	1	
Total		18	
GRAND TOTAL (Year 1 to 4)		146/147	