

Study Plan for the Mathematics/Aviation Double Major

Stage 1

ZPEM1301 Mathematics 1A
 ZPEM1302 Mathematics 1B
 ZPEM1501 Physics 1A: Mechanics, Waves and Thermodynamics
 ZPEM1502 Physics 1B: Electromagnetism and Modern Physics
 ZEIT1800 Introduction to Aviation Technology
plus 18 UOC of free electives

Stage 2

ZPEM2302 Mathematics Tools for Science
 ZPEM2311 Mathematical Modelling
 ZPEM2313 Discrete Mathematics with Applications
 ZEIT2502 Fundamentals of Flight
 Students must choose *one* of the following Level II courses:
 ZEIT2802 Aircraft Systems for Aviators or ZEIT2803 Aviation Safety
plus
 12 UOC of General Education
plus
 *6UOC of science elective, recommended courses: ZPEM2508 CBRNE or the other L2 Aviation course

Stage 3

Students to complete any three of the following four mathematics courses:
 ZPEM3301 Topics in Mathematics, ZPEM3306 Waves & Fluids, ZPEM3311 Mathematical Methods for Differential Equations, ZPEM3313 Applied Nonlinear Dynamics
 Students to complete any three of the following five aviation courses:
 ZEIT3801 Advanced Aviation Safety (Prerequisite ZEIT2803), ZEIT3803 Air Traffic Management, ZEIT3804 Behavioural Science Project, ZEIT3805 Airport Operations and Systems, ZPEM3204 Environmental Hazards
plus
 6 UOC of free elective, possibly another L3 maths or aviation course from above
plus
 6UOC of prescribed elective ZINT2100 Introduction to Cyber-security: Policy and Operations

Sample Program

	Semester 1				Semester 2			
Yr1	ZPEM1301	ZPEM1501	ZEIT1800	elective	ZPEM1302	ZPEM1502	elective	elective
Yr2	ZPEM2302	ZEIT2802 or ZEIT2803	*elective	GE-gp1	ZPEM2311	ZPEM2313	ZEIT2502	GE-gp2
Yr3	L3 Maths I	L3 Maths II or Aviation II	L3 Aviation I	ZINT2100	L3 Maths III	L3 Maths II or Aviation II	L3 Aviation III	elective

The plan provided above could be just one of several possible combinations for this double-major.
 Please see the Science UG Coordinator if you require further advice.