

Study Plans for the Mathematics/Physics Double Major

Stage 1

ZPEM1301 Mathematics 1A

ZPEM1302 Mathematics 1B

ZPEM1501 Physics 1A: Mechanics, Waves and Thermodynamics

ZPEM1502 Physics 1B: Electromagnetism and Modern Physics

plus

24 UOC of free electives

Stage 2

ZPEM2302 Mathematics Tools for Science

ZPEM2311 Mathematical Modelling

ZPEM2313 Discrete Mathematics

ZPEM2506 Physics2A: Meteorology and Atmospheric Physics

ZPEM2502 Physics2B: Electrons, Photons and Matter

ZPEM2509 Cosmology and Nuclear Astrophysics

plus

6 UOC of General Education

6UOC of free elective

Stage 3

Students to complete any three of the following four mathematics courses:

1. ZPEM3301 Topics in Mathematics
2. ZPEM3306 Waves & Fluids
3. ZPEM3311 Mathematical Methods for Differential Equations
4. ZPEM3313 Applied Nonlinear Dynamics

ZPEM3103 Introduction to Quantum Theory

ZPEM3503 Electromagnetism and Advanced Materials

ZPEM3532 Advanced Topics in Physics and Oceanography

plus

6 UOC of General Education

6UOC of prescribed elective; ZINT2100 Introduction to Cyber-security: Policy and Operation

Sample Program

	Semester 1				Semester 2			
Yr1	ZPEM1301	ZPEM1501	elective	elective	ZPEM1302	ZPEM1502	elective	elective
Yr2	ZPEM2302	ZPEM2506	GE-gp1	elective	ZPEM2311	ZPEM2313	ZPEM2502	ZPEM2509
Yr3	ZPEM3301	ZPEM3311	ZPEM3103	ZINT2100	ZPEM3313	ZPEM3503	ZPEM3532	GE-gp2

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.