

Study Plan for the Mathematics/Computer Science Double Major

Stage 1

ZPEM1301 Mathematics 1A
ZPEM1302 Mathematics 1B

ZPEM1307 Computational Problem Solving
ZEIT1102 Introduction to Programming
plus
24 UOC of free electives

Stage 2

ZPEM2302 Mathematics Tools for Science
ZPEM2311 Mathematical Modelling
ZPEM2313 Discrete Mathematics with Applications

ZEIT2102 Computer Technology
ZEIT2103 Data Structures and Representation
plus
6 UOC of General Education
6UOC of free elective
6UOC of prescribed elective ZINT2100 Introduction to Cyber-security: Policy and Operations

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

ZEIT3101 IT Project 2
ZEIT3113 Computer Languages and Algorithms
ZEIT3114 Internetworking
ZEIT3118 IT Project 1

Sample Program

	Semester 1				Semester 2			
Yr1	ZPEM1301	ZEIT1101	elective	elective	ZPEM1302	ZEIT1102	elective	elective
Yr2	ZPEM2302	ZEIT2103	GE-gp1	elective	ZPEM2311	ZPEM2313	ZEIT2102	ZINT2100
Yr3	ZPEM3311	ZPEM3301	ZEIT3113	ZEIT3118	ZPEM3313	ZEIT3114	ZEIT3101	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.