

RECOMMENDED STUDY PLAN

2017-2018

NAME _____

DEGREE PROGRAM ADV BSc (BAD) MAJOR Mathematics (BAD-MTM)– TSV after 1st Year

Level 1

SP1	SP2
Degree Core: SC1101	Degree Core: SC1109
Degree Opt Core: MA1000 (<u>OR</u> MA1008-SP1 <u>AND</u> MA1009-SP2)	Degree Core: MA1003*
Major Core: PH1005-Adv Physics 1	Major Core: PH1007-Adv Physics 2
Elective/Minor:	Elective/Minor:

*Note- *MA1003 is required for SC2209 and will be offered in SP3-Jan/Feb each year. If you are taking MA1008 and MA1009 in first year, then you need to plan to take MA1003 in SP3 block mode at the beginning of your second year.*

Level 2:

SP1	SP2
Degree Core Skill: SC2209	Degree Opt Core Skill-List 9:
Major Core: MA2000-Math for Scientists	Major Core: MA2100-Methods & Equations
Elective/Minor (or Opt Core Skill List 9):	Major Core: MA2201-Numerical Mathematics
Elective/Minor:	Elective/Minor:

Note-+SC2209 requires MA1003 and SC1109. It was not available before 2018 and may NOT be replaced with SC2202/BZ2001 in any Advanced Science study plans.

Level 3:

SP1	SP2
Degree Opt Core Quantitative Subject-List 12:	
Degree Opt Core: SC3003-Research Internship <u>OR</u> SC3008-Professional Placement	
Major Core: MA3109-Applied Complex Variable Theory	Major Core: MA3201-Numerical Methods
Major Core: MA3605-Operations Research & Modelling	Elective/Minor:
Elective/Minor:	Elective/Minor:

List Optional Skill Subjects Available to this Discipline: <u>List 9</u>	
SP1	SP2
PH2222:03 Sensors and Sensing for Scientists-SP 6	
CP2404-Database Modelling	EV2502-GIS
	CH2103-Analytical Chemistry

List of Advanced Quantitative Subjects-<u>List 12</u>
(Check closer to enrolment for SP availabilities)
BS5260-Modelling Ecological Dynamics
MA5405-Data Mining
BC5203-Introduction to Bioinformatics
EA5409-Minerology and Geophysics
PH5014-Research Skills and Communication in Physics-Advanced
CH5002-Research Skills and Communication in Chemistry
SC5502-Design & Analysis in Ecological Studies