

RECOMMENDED STUDY PLAN

2017

NAME _____

DEGREE PROGRAM ADV BSc-BAD MAJOR Physics - TSV after 1st Semester (PCS)

Level 1

SP1	SP2
ADV BSc Core: SC1101	ADV BSc Core: SC1109
ADV BSc Core: MA1000 (or MA1008 + MA1009)	ADV BSc Core: MA1003*
Major Core: PH1005-Adv Physics 1	Major Core: PH1007-Adv Physics 2
Elective/Minor:	Elective/Minor:

Notes: *MA1003 is required for SC2209 and will be offered in SP3-Jan/Feb each year. So 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
ADV BSc Core Skill: SC2209	ADV BSc Opt Skill Core-List 10: MA2000#
Major Core: PH2002-Classical Mechanics & Quantum Physics 1	Major Core: PH2240-Atomic & Nuclear Physics
Major Core: PH2019-Intro to Electromagnetism Optics & Early Quantum	Elective/Minor:
Elective/Minor:	Elective/Minor:

#MA2000 is a prerequisite subject for all of the level 3 PH subjects within the major.

Level 3:

SP1	SP2
ADV BSc Quantitative Subject-List 12:	
ADV BSc Optional Core: SC3003-Research Internship OR SC3008-Professional Placement	
Major Core: PH3008-Statistical Mechanics & Transport #	Major Core: PH3002-Quantum Physics 2 #
Major Core: PH3019-Electromagnetic Phenomena #	Elective/Minor:
Elective/Minor:	Elective/Minor:

List BSc Opt Skill Subjects Available to this Discipline: <u>List 10</u>	
SP1	SP2
PH2222:03 Sensors and Sensing for Scientists-SP TBA	
CP2404-Database Modelling	EV2502-GIS
MA2000-Mathematics for Scientists &	MA2201-Numerical Mathematics
	CH2103-Analytical Chemistry

List of ADV BSc 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