

RECOMMENDED STUDY PLAN

2017

NAME _____

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

Level 1

SP1	SP2
BSc Core: SC1101	BSc Core: SC1102 or SC1109-ADV BSc
Major Core: PH1005-Adv Physics 1	Major Core: PH1007-Ad Physics 2
BSc Core-Breadth List 6:	BSc Core-Breadth List 6:
Elective/Minor:	Elective/Minor:

Level 2:

SP1	SP2
BSc Core Skill: SC2202 or SC2209-ADV BSc (or BZ2001 for SC2202 before 2018)*	BSc Opt Skill Core-List 7: 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:

*SC2202 was not core to this major until 2017 so until 2018, MA2*** may be used as advanced standing on this line, however, another skill subject from the Optional Skill List must be taken.

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

Level 3:

SP1	SP2
BSc Core: SC3008-Professional Placement (can be done in any SP)	
BSc Core: SC3010-Wicked Problems in Science-SP TBA	
Major Core: PH3008-Statistical Mechanics & Transport#	Major Core: PH3002-Quantum Physics 2 #
Major Core: PH3019-Electromagnetic Phenomena #	Elective/Minor:
Elective/Minor:	Elective/Minor:

List of Breadth Subjects Available to this Discipline: <u>List 6</u>	
SP1	SP2
CP1404-Programming 1-available in SP1 and SP2	
BS1007-Intro to Biodiversity (TSV) OR BZ1006-Diversity of Life (CNS)	BS1001-Intro Biol Processes (TSV) OR BZ1005-Intro Ecology (CNS)
CH1011- Chemistry-CNS OR CH1001-TSV	CH1002-Chemistry: Principles & Applications (TSV only)
EV1005-Environ Processes & Global Change	EA1110-Evolution of the Earth
MA1000-Mathematical Foundations	MA1003-Mathematical Techniques

List BSc Opt Skill Subjects Available to this Discipline: <u>List 7</u>	
SP1	SP2
PH2222:03 Sensors and Sensing for Scientists-SP TBA	
CP2404-Database Modelling	EV2502-GIS
	CH2103-Analytical Chemistry
	MA2201-Numerical Mathematics