

# RECOMMENDED STUDY PLAN

2017

NAME \_\_\_\_\_

DEGREE PROGRAM BSc MAJOR Physics - TSV only after 1<sup>st</sup> Semester (PCS)

## Level 1

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

## Level 2:

SP1	SP2
<b>BSc Core Skill:</b> SC2202 or SC2209-ADV BSc (or BZ2001 for SC2202 before 2018)*	<b>BSc Opt Skill Core-List 7:</b> MA2000#
<b>Major Core:</b> PH2002-Classical Mechanics & Quantum Physics 1	<b>Major Core:</b> PH2240-Atomic & Nuclear Physics
<b>Major Core:</b> PH2019-Intro to Electromagnetism Optics & Early Quantum	<b>Elective/Minor:</b>
<b>Elective/Minor:</b>	<b>Elective/Minor:</b>

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

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

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