

# RECOMMENDED STUDY PLAN

2017-2018

NAME \_\_\_\_\_

DEGREE PROGRAM BSc Mid-Year Entry MAJOR Physics (PCS) - TSV only after 1<sup>st</sup> sem

## Level 1

### SP7-June/July

*MA1020-Can be taken before the start of the semester in block mode if you are missing Math B or equivalent from high school*

### SP2

<b>Degree Opt Core</b> SC1102* <b>OR</b> SC1109-ADV BSc <i>*SC1102 requires Maths B from high school or MA1020.</i>
<b>Degree Opt Core Breadth-List 6:</b> MA1000-LTD
<b>Elective/Minor:</b> CH1020-TSV if needed from the Preparatory Science Minor
<b>Elective/Minor:</b>

*Note-SC1109 is compulsory in the Advanced BSc Program and should be taken instead of SC1102 if you are considering that pathway.*

## Level 1 and 2:

SP3	SP1	SP2
<b>Degree Opt Core Breadth-List 6:</b> MA1003-Required for this Major	<b>Degree Core:</b> SC1101- Science: Nature, Knowledge & Understanding	<b>Major Core:</b> PH1007-Ad Physics
	<b>Degree Opt Core Skill-List 7:</b> MA2000# Required	<b>Elective/Minor:</b>
	<b>Major Core:</b> PH1005-Adv Physics 1	<b>Elective/Minor:</b>
		<b>Elective/Minor:</b>

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

## Level 2 and 3:

SP1	SP2
<b>Degree Opt Core Skill:</b> SC2202 <b>OR</b> SC2209-ADV BSc <i>(or BZ2001 for SC2202 before 2018)</i>	<b>Degree Core:</b> SC3008-Professional Placement <i>(can be done in any SP)</i>
<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>Major Core:</b> PH3002-Quantum Physics 2 #
<b>Elective/Minor:</b>	<b>Elective/Minor:</b>

**Level 3:****SP1**

<b>Degree Core:</b> SC3010-Sensors and Sensing for Scientists-SP TBA**
<b>Major Core:</b> PH3008-Statistical Mechanics & Transport#
<b>Major Core:</b> PH3019-Electromagnetic Phenomena#
<b>Elective/Minor:</b>

\*\*SC3010 is not available until 2019, you may replace this subject with any level 3 Science subject until 2019.

<b>List of Breadth Subjects Available to this Discipline: List 6</b>	
<b>SP1</b>	<b>SP2</b>
CP1404-Programming 1-available in SP1 and SP2	
BM1000-Introductory Biochemistry and Microbiology	BS1001-Intro Biol Processes-TSV <b>OR</b> BZ1005-Intro Ecology-CNS
BS1007-Intro to Biodiversity-TSV <b>OR</b> BZ1006-Diversity of Life-CNS	CH1002-Chemistry: Principles & Applications-TSV only
CH1011- Chemistry-CNS <b>OR</b> CH1001-TSV	EA1110-Evolution of the Earth
EV1005-Environ Processes & Global Change	MA1003-Mathematical Techniques
MA1000-Mathematical Foundations	

<b>List BSc Opt Skill Subjects Available to this Discipline: List 7</b>	
<b>SP1</b>	<b>SP2</b>
PH2222:03 Sensors and Sensing for Scientists-SP 6	
CP2404-Database Modelling	EV2502-GIS
	CH2103-Analytical Chemistry
	MA2201-Numerical Mathematics