

# RECOMMENDED STUDY PLAN

2017-2018

NAME \_\_\_\_\_

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

## Level 1

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

*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
<b>Degree Core Skill:</b> SC2209	<b>Degree Opt Core Skill-List 10:</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>

*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.*

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

## Level 3:

SP1	SP2
<b>Degree Opt Core Quantitative Subject-List 12:</b>	
<b>Degree Opt Core:</b> SC3003-Research Internship <u>OR</u> SC3008-Professional Placement	
<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 Optional Skill Subjects Available to this Discipline: <u>List 10</u></b>	
<b>SP1</b>	<b>SP2</b>
PH2222:03 Sensors and Sensing for Scientists-SP 6	
CP2404-Database Modelling	EV2502-GIS
MA2000-Mathematics for Scientists &	MA2201-Numerical Mathematics
	CH2103-Analytical Chemistry

<b>List of Advanced Quantitative Subjects-<u>List 12</u></b>
(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