

**BACHELOR OF SCIENCE IN APPLIED PHYSICS
(INSTRUMENTATION PHYSICS CONCENTRATION)**

148-150 units

Effective First Semester, AY 2018-2019

FIRST YEAR

1st Semester	19 units
Math 21	4
Geol 11	3
Geol 11.1	1
Chem 16	3
Chem 16.1	2
Physics 10	3
Eng 13 / Speech 30	3
PE	(2)

2nd Semester	18 units
Physics 106	5
Physics 106.1	1
Math 22	4
Bio 11	3
Bio 11.1	2
Kas 1	3
PE	(2)

Midyear	3-5 units
Science/Math Fundamental	
Course Elective*	3-5

SECOND YEAR

1st Semester	18 units
Physics 107	5
Physics 107.1	1
Physics 116	5
Math 23	4
Math 122	3

2nd Semester	18 units
Physics 108	5
Physics 117	5
Physics 126	4
App Physics 181	4
PE	(2)

Midyear	6 units
Arts 1	3
Philo 1	3

THIRD YEAR

1st Semester	16 units
App Physics 155	4
Physics 131	3
Physics 141	3
Fil 40	3
Soc Sci 1 / Soc Sci 2	3
NSTP	(3)
PE	(2)

2nd Semester	17 units
Physics 132	3
Physics 142	3
Physics 165	3
Physics 191	4
App Physics 157	4
NSTP	(3)

FOURTH YEAR

1st Semester	17 units
Physics 170	3
Physics 192	4
App Physics 167	3
App Physics 184	4
App Physics 199	3

2nd Semester	16 units
Physics 151	3
Physics 161	3
Physics 196	1
App Physics 200	3
PI 100	3
DRMAPS or STS 1	3

Notes: As a requirement for graduation, all students must take six (6) units in one of the National Service Training Program (NSTP) components: Civic Welfare Training Service (CWTS), Literacy Training Service (LTS), and Reserved Officer's Training Corps Military Science (ROTC Mil Sci). These are offered by UPD. 6 units of the GE courses must satisfy Philippine Studies requirement.

*Science/Math fundamental course elective may be chosen, upon the consent of the adviser, from any Science/Math undergraduate-level course for which the prerequisite has been fulfilled. May be taken during the regular semester if not offered during the Midyear Term.

**Physics/App Physics elective may be chosen, upon the consent of the adviser, from any 100-or higher level Physics or App Physics course, except Physics 20x-level (MA Physics) course.

All students required to take Math 21 must have passed any of the following: (1) Pre-Calculus from the STEM or equivalent strand of K-12; (2) the Validation Examination for Math 20 (Pre-Calculus: Functions and their Graphs) administered by the UPD Institute of Mathematics; or (3) Math 20 as a non-credit course.