NATIONAL INSTITUTE OF PHYSICS

College of Science University of the Philippines

B.S. Physics Program

Effective: First Semester, A.Y. 2012 - 2013

	First Year, Second Semester	
3	Physics 101 (Fundamental Physics I)	4
5	Physics 101.1 (Fundamental Physics I Laboratory)	1
3	Math 54 (Elementary Analysis II) ¹	5
1	Chemistry 16 (General Chemistry I)	5
3	Communication 3 (Practical Speech Fundamentals)	3
3	PE	(2)
(2)		
18		18
	Second Year, Second Semester	
4	Physics 103 (Fundamental Physics III)	4
1	Physics 103.1 (Fundamental Physics III Laboratory)	1
3	Physics 112 (Mathematical Physics II)	3
3	Math 121.1 (Elementary Differential Equations)	3
5	Biology 11 (Fundamentals of Biology I)	5
3	Kasaysayan 1 (Kasaysayan ng Pilipinas)	3
(2)	PE	(2)
19		19
Third Year, First Semester Third Year, Second Semester		•
4	App Physics 155 (Computer Methods in Physics I)	4
1	App Physics 181 (Physical Electronics I)	4
3	Physics 122 (Theoretical Mechanics II)	3
3	Physics 132 (Electromagnetic Theory II)	3
3	Physics 141 (Quantum Physics I)	3
3		
17		17
	Fourth Year, Second Semester	
3	Physics 151 (Statistical Physics I)	3
3	Physics 180 (Nuclei & Particles)	3
3	Physics 192 (Experimental Physics II)	3
3	Physics/App Physics Elective 2	3-5
5	GE (Social Science & Philosophy - 2)	3
3	NSTP	(3)
(3)		15-17
20		
	Fifth Year, Second Semester	
3	Physics 196 (Undergraduate Seminar)	1
3-5	Physics 200 (Undergraduate Thesis)	3
3	Science/Math Elective ³	3-5
3	GE (Arts & Humanities - 2)	3
	CE (Social Spigman & Dhilosophy, 2)	3
3	GE (Social Science & Philosophy - 3)	
3	P.I. 100 (The Life and Works of Jose Rizal)	3
	5 3 1 3 3 (2) 18 4 1 3 3 5 3 (2) 19 4 1 3 3 3 17 3 3 3 17 3 3 3 3 3 3 3 3 3	3 Physics 101 (Fundamental Physics I) 5 Physics 101.1 (Fundamental Physics I Laboratory) 3 Math 54 (Elementary Analysis II) 1 Chemistry 16 (General Chemistry I) 3 Communication 3 (Practical Speech Fundamentals) 3 PE (2) 18 Second Year, Second Semester 4 Physics 103 (Fundamental Physics III) 1 Physics 103.1 (Fundamental Physics III Laboratory) 3 Physics 112 (Mathematical Physics II) 3 Math 121.1 (Elementary Differential Equations) 5 Biology 11 (Fundamentals of Biology I) 3 Kasaysayan 1 (Kasaysayan ng Pilipinas) (2) PE 19 Third Year, Second Semester 4 App Physics 155 (Computer Methods in Physics I) 1 App Physics 181 (Physical Electronics I) 3 Physics 122 (Theoretical Mechanics II) 3 Physics 132 (Electromagnetic Theory II) 3 Physics 141 (Quantum Physics I) 3 Physics 151 (Statistical Physics I) 3 Physics 151 (Statistical Physics I) 3 Physics 192 (Experimental Physics II) 3 Physics 192 (Experimental Physics II) 3 Physics 192 (Experimental Physics II) 3 Physics 193 (Electrone & Philosophy - 2) 3 NSTP (3) 20 Fifth Year, Second Semester 3 Physics 196 (Undergraduate Seminar) 3-5 Physics 200 (Undergraduate Thesis) 3 Science/Math Elective³

¹ Math 14 and Math 53 are to be taken together provided the student passed the APE in Math 11. Otherwise the student must take Math 17 in the 1st year/1st semester (in place of Math 14 and Math 53); Math 53 in the 1st year/2nd semester (in place of Math 54); and Math 54 in the immediately following summer session.

² May be chosen from Physics 135, 161, 195 or App Physics courses.

³ May be chosen, upon the consent of the adviser, from courses in natural sciences or mathematics.

Note: As a requirement for graduation, all students are required to take (6) units in one of National Service Training Program (NSTP) components.

ROTC and Civic Welfare Training Service are offered by UPD.