PHYSICS

BACHELOR OF SCIENCE (B.S.)

CORE Requirements	Credits	Major Requirements	Credits	Major Requirements	Credits	Free Electives ²	Credits
CORE 090 First Yr Exp. CORE 100 Lib Arts Sem. CORE 110 Effect Writ. CORE 115 or 116 Oral Comm. CORE 131 or 133 Civilization CORE 140 or 141-145 Forgn. CORE 150-159 Soc. Sci. ¹ CORE 160-164 Literature CORE 170-179 The Arts CORE 180-189 Amer. Studies ¹ CORE 190-199 Global Studies ¹ CORE 250-259 Syst. Theology CORE 260-269 Mor. Theology CORE 280 Philos. I	1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PHYS 113 PHYS 113L PHYS 114 PHYS 114L PHYS 231 PHYS 231L PHYS 330 PHYS 350 PHYS 371 PHYS 440 PHYS 490 PHYS Elective PHYS Elective	3 1 3 1 3 1 3 3 3 3 3 3 3 3 3 3	CHEM 113 CHEM 113L CHEM 114 CHEM 114L MATH 129 MATH 130 MATH 231 MATH 237 MATH 238	3 1 3 1 4 4 4 3 3	Free Elective Free Elective Free Elective Free Elective Free Elective Free Elective	3 3 3 3 3
CORE 281-289 Philos. II Total Credits for CORE	43			Total Credits for Major	62	Total Credits for Free Electives	15

Total Credits Required for Graduation = 120

Physics Electives - In addition to the Major Sequence requirements, a Physics Major must also complete a minimum of three (3) upper-level PHYS courses numbered 231 or higher. Some elective courses have a required laboratory component. Some courses in MATH or CHEM may be cross-listed as PHYS. Students may choose to take electives in the Fall or Spring semester, as long as the necessary Elective and Core requirements are met.

[†]One Physics Elective can be satisfied with 3-credits of student research.

Physics Electives							
PHYS 241*	PHYS 233*#	PHYS 372#	PHYS 340#				
PHYS 242*	PHYS 234*	PHYS 320#	PHYS 450#				
*D : 10 2-2E :							
*Required for some 3+2 Engineering students							
#Appropriate preparation courses for physics graduate programs							

- If a student takes CORE 150, then he/she should choose from 181 188 to fulfill the 18x requirement AND from 191 198 to fulfill the 19x requirement.
- If a student takes CORE 180, then he/she should choose from 151 158 to fulfill the 15x requirement AND from 191 198 to fulfill the 19x requirement.
- If a student takes CORE 190, then he/she should choose from 151 158 to fulfill the 15x requirement AND from 181 188 to fulfill the 18x requirement.

General Information:

A student must earn a minimum of 120 credit hours to be awarded the baccalaureate degree. The number of credit hours required for graduation may be higher in certain major programs <u>or</u> if the student elects to pursue a second major. Beyond the requirements of the Core Curriculum and of a student's chosen major program, the balances of the credit hours required for

Beyond the requirements of the Core Curriculum and of a student's chosen major program, the balances of the credit hours required graduation are "free electives."

¹Students are required to take CORE 150, CORE 180 <u>OR</u> CORE 190 to fulfill the Interdisciplinary CORE requirement.

²Students may select "free electives" for personal enrichment <u>OR</u> for Minor and/or Second Major Requirements.

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SUGGESTED SEQUENCE

- Use the information below as a guide when selecting courses.
- Refer to the reverse side when selecting major courses, major electives, core courses, and free electives when applicable.
- Consult your Academic Advisor prior to course registration.
- Refer to the King's College Catalog and/or website for course titles and descriptions.
- Choose one course from each CORE category as listed on the reverse side.
 - O CORE courses may be taken in any order approved by the academic advisor with the following conditions:
 - CORE 100 and CORE 110 should be taken in the first available semesters.
 - CORE 115 (or 116) should be taken within the first two years.
 - For students selecting a Foreign Language (CORE 14x), every effort should be made to register for that language in the first available semester at King's.

2	1st Year - Spring	
3	PHYS 114 Physics for Scientists & Engineers II	3
1	PHYS 114L Physics for Sci. & Eng. II Lab	1
3	CHEM 114 General Chemistry II	3
1	CHEM 114L General Chemistry II Lab	1
4		4
3		3
1		
16		15
	2 nd Year – Spring	
3	PHYS 330 Classical Mechanics	3
1	MATH 238 Differential Equations	3
4	PHYS Elective or CORE	3
3	CORE	3
3	Free Elective ²	3
3		
17		15
	3 rd Year - Spring	
3	PHYS Elective	3
3	PHYS Elective or CORE	3
3	CORE	3
3	CORE	3
3	Free Elective ²	3
15		15
13	4th Vear - Spring	15
3		3
		3
		3
		3
3	11113 470 Schol Schillar	3
3		
15		12
Required	for Graduation = 120	
	3 1 4 3 1 16 3 1 4 3 3 3 3 17 3 3 3 3 3 15	CHEM 114 General Chemistry II