PHYSICS – BUSINESS

BACHELOR OF SCIENCE (B.S.)

CORE Requirements	Credits
CORE 090 First Yr Exp.	1
CORE 100 Lib Arts Sem.	3
CORE 110 Effect Writ.	3
CORE 115 or 116 Oral Comm.	3
CORE 131 or 133 Civilization	3
CORE 140 or 141-145 Forgn.	3
CORE 153 Macro Econ	3
CORE 160-169 Literature	3
CORE 170-179 The Arts	3
CORE 180-189 Amer. Studies[1]	3
CORE 190-199 Global Stud[1,2]	3
CORE 250-259 Syst. Theology	3
CORE 260-269 Mor. Theology	3
CORE 280 Philos. I	3
CORE 281-289 Philos. II[3]	3
	43

Physics Requirements	Credits
PHYS 113 Physics for Sci. & Eng. I	3
PHYS 113L Phys. for Sci/Eng. I Lab	1
PHYS 114 Physics for Sci. & Eng. II	3
PHYS 114L Phys. for Sci/Eng. II Lab	1
PHYS 231 Modern Physics	3
PHYS 231L Modern Physics Lab	1
PHYS 330 Classical Mech.	3
PHYS 350 Thermo/Stat. Mech.	3
PHYS 371 Electricity & Magnetism I	3
PHYS 440 Quantum Mech.	3
PHYS 490 Senior Seminar	3
PHYS Elective	3
PHYS Elective	3
PHYS Elective	3
CHEM 113 Gen. Chem. I	3
CHEM 113L Gen. Chem. I Lab	1
CHEM 114 Gen. Chem. II	3
CHEM 114L Gen. Chem. II Lab	1
MATH 129 Calculus I	4
MATH 130 Calculus II	4
MATH 231 Calculus III	4
MATH 237 Math Meth. for Phys. Sci.	3
MATH 238 Diff. Equations	3
	62

Business Requirements	Credits
ECON 112 Micro Economics	3
ECON 221 Quant. Meth. for Bus.& Econ	3
MSB 110 Intro to Financial Reporting	3
MSB 120 Intro to Mgmt Control & Plan	3
MSB 200 Principles of Management	3
MSB 210 Principles of Marketing	3
MSB 220 Financial Management	3
Business Elective 1[4]	3
Business Elective 2[4]	3
	27

Total Credits = 132

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. 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#
#Appropriate preparation courses for physics graduate programs			

[1]Since CORE 153 is a course requirement, students are required to take CORE 180 OR CORE 190 to fulfill the Interdisciplinary CORE requirement.

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

[2] Students are encouraged to take CORE 193 – Globalization to fulfill the Global Studies requirement.

[3] Students are encouraged to take either MSB 287 – Business Ethics, CORE 284 – Environmental Ethics, or CORE 288 – Bioethics to fulfill the Philosophy II requirement.

[4]Physics students are encouraged to pursue the following Fall/Spring course sequences to fulfill the Business Elective 1 and 2 requirements:

- Technology Management: BUS 363 – Operations Management and BUS 435 – Global Innovation, Technology & Entrepreneurship
- Manufacturing & Operations Management: MKT 385 – Supply Chain Management and BUS 363 – Operations Management
- Marketing: MKT 330 – Selling Strategies and MKT 390 – International Marketing
- Entrepreneurship: BUS 330 – Business Entrepreneurship and BUS 435 – Global Innovation, Technology & Entrepreneurship

See reverse side for a suggested sequence

PHYSICS – BUSINESS

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.
  - 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 year.
    - 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.

	1st Year - Fall	cr.		**1st Year - Spring**	cr.
____	CHEM 113 Gen. Chem. I	3	____	CHEM 114 Gen. Chem. II	3
____	CHEM 113L Gen. Chem. I Lab	1	____	CHEM 114L Gen. Chem. II Lab	1
____	PHYS 113 Physics for Scientists & Engineers I	3	____	PHYS 114 Physics for Scientists & Engineers II	3
____	PHYS 113L Physics for Sci. & Eng. I Lab	1	____	PHYS 114L Physics for Sci. & Eng. II Lab	1
____	MATH 129 Calculus I	4	____	MATH 130 Calculus II	4
____	CORE	3	____	CORE	3
____	CORE 090 First Year Exp.	1			
		16			**15**
	2nd Year - Fall			**2nd Year – Spring**	
____	PHYS 231 Modern Physics	3	____	PHYS 330 Classical Mech.	3
____	PHYS 231L Modern Physics Lab	1	____	MATH 238 Diff. Equations	3
____	MATH 231 Calculus III	4	____	ECON 112 Micro Economics	3
____	MATH 237 Math Methods for Phys. Sci.	3	____	CORE	3
____	CORE 153 Macro Economics	3	____	CORE	3
____	CORE	3			
		17			**15**
	3rd Year – Fall			**3rd Year – Spring**	
____	PHYS 371 Electricity & Magnetism I	3	____	Physics Elective	3
____	MSB 200 Principles of Management	3	____	MSB 210 Principles of Marketing	3
____	MSB 110 Intro to Financial Reporting	3	____	MSB 120 Intro to Mgmt Control & Plan	3
____	CORE or Physics Elective	3	____	CORE	3
____	CORE	3	____	CORE	3
____	CORE	3	____	CORE	3
		18			**18**
	4th Year - Fall			**4th Year – Spring**	
____	PHYS 350 Thermo/Stat. Mech.	3	____	PHYS 490 Senior Seminar	3
____	ECON 221 Business Statistics	3	____	PHYS 440 Quantum Mech.	3
____	Business Elective 1[4]	3	____	Physics Elective	3
____	CORE or Physics Elective	3	____	MSB 220 Financial Management	3
____	CORE	3	____	Business Elective 2[4]	3
		3	____	CORE	3
		15			**17**

Total Credits Required for Graduation = 132