CHEMISTRY – BUSINESS

BACHELOR OF SCIENCE (BS.CHEM(BUS))

CORE Requirements	Credits	Chemistry Requirements	Credits	Business Requirements
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 153 Macro Econ CORE 160-169 Literature CORE 160-169 Literature CORE 170-179 The Arts CORE 180-189 Amer. Studies ¹ CORE 190-199 Glbl. Studies ^{1,2} CORE 250-259 Syst. Theology CORE 260-269 Mor. Theology CORE 280 Philosophy I	1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	CHEM 113 General Chemistry I CHEM 113L General Chem. I Lab CHEM 114 General Chem. I Lab CHEM 114L General Chemistry II CHEM 241 Organic Chemistry I CHEM 241L Organic Chemistry I CHEM 242 Organic Chem. I Lab CHEM 242 Organic Chem. II Lab CHEM 243 Analytical Chem. II Lab CHEM 243 Analytical Chemistry CHEM 243L Analytical Chem. Lab CHEM 244 Instrumental Analysis CHEM 244L Instr. Analysis Lab CHEM 351 Tech. Competency CHEM 357 Physical Chemistry I	3 1 3 1 3 1 3 1 3 2 3 2 1 3	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
CORE 281-289 Philosophy II ³	3	CHEM 357L Physical Chem. I Lab CHEM 358 Physical Chemistry II CHEM 358L Physical Chem. II Lab* CHEM 471 Advanced Inorg. Chem. CHEM 493 Senior Colloquium CHEM 494 Senior Colloquium MATH 129 Anal. Geom. & Calc. I MATH 130 Anal. Geom. & Calc. II MATH 237 Math. Methods Phys. Sci. MATH 238 Differential Equations PHYS 113 Physics for Sci. & Eng. I PHYS 113L Physics for Sci. & Eng. I Lab PHYS 114 Physics Sci. & Eng. II PHYS 114L Physics Sci. & Eng. II Lab	2 3 2 3 1 1 4 3 3 3 1 3 1 3	
Total Credits for CORE	43	Total Credits for Major Total Credits Required for Graduati	64	Total Business Credits 27

Students who wish to be eligible for certification by the American Chemical Society must include:

The two (2) courses below:	One of the following						
CHEM 353**	AND	CHEM 359	CHEM 475	CHEM 479	CHEM 496		
CHEM 471L		CHEM 373	CHEM 476	CHEM 477	CHEM 497		

*CHEM 358L may be replaced by a semester of research (CHEM 396, CHEM 397, CHEM 496, CHEM 497). **BIOL 353 may substitute for CHEM 353.

¹Since 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.

⁴Chemistry 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
- Accounting: ACCT 115/L Introduction to Financial Accounting II with Lab and ACCT 240– Intermediate Accounting I

CHEMISTRY – BUSINESS

SUGGESTED SEQUENCE

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- 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.

1 st Year - Fall	cr.	1 st Year - Spring	cr.
CHEM 113 General Chemistry I	3	CHEM 114 General Chemistry II	3
CHEM 113L General Chemistry I Lab	1	CHEM 114L General Chemistry II Lab	1
MATH 129 Analytic Geometry & Calculus I	4	MATH 130 Analytic Geometry & Calculus II	4
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
CORE	3	CORE	3
CORE 090 First Year Experience	1		
	16		15
2 nd Year - Fall		2 nd Year – Spring	
CHEM 241 Organic Chemistry I	3	CHEM 242 Organic Chemistry II	3
CHEM 241L Organic Chemistry I Lab	1	CHEM 242L Organic Chemistry II Lab	1
CHEM 243 Analytical Chemistry	3	CHEM 244 Instrumental Analysis	3
CHEM 243L Analytical Chemistry Lab	2	CHEM 244L Instrumental Analysis Lab	2
MATH 237 Math. Methods for the Phys. Sci.	3	MATH 238 Differential Equations	3
CORE 153 Macro Economics	3	ECON 112 Micro Economics	3
CORE	3	CORE	3
	18*		18*
3 rd Year – Fall		3 rd Year – Spring	
CHEM 357 Physical Chemistry I	3	CHEM 358 Physical Chemistry II	3
CHEM 357L Physical Chemistry I Lab	2	CHEM 358L Physical Chemistry II Lab	2
CHEM 351 Technological Competency	1	MSB 210 Principles of Marketing	3
MSB 200 Principles of Management	3	MSB 120 Intro. to Mgmt. Control & Plan.	3
MSB 110 Intro. to Financial Reporting	3	CORE	3
CORE	3	CORE	3
CORE	3		
	18*		17
4 th Year - Fall		4 th Year – Spring	
CHEM 493 Senior Colloquium	1	CHEM 494 Senior Colloquium	1
CHEM 471 Advanced Inorganic Chemistry	3	MSB 220 Financial Management	3
ECON 221 Quant. Meth. for Bus. & Econ.	3	Business Elective 2 ⁴	3
Business Elective 1 ⁴	3	CORE	3
CORE	3	CORE	3
CORE	3	CORE	3
	16		16

Total Credits Required for Graduation = 134

*Students are encouraged to take summer courses to relieve the course load pressure during this semester.