

# CLINICAL LAB SCIENCE/ MEDICAL TECHNOLOGY

## BACHELOR OF SCIENCE (B.S.)

CORE** Requirements	Credits	Major Requirements	Credits	Major Requirements	Credits	Senior Year Requirement	Credits
CORE 090 First Yr Exp.	1	BIOL 113	3	CHEM 113	3	Hospital-based Clinical Rotation	30 - 36
CORE 100 Lib Arts Sem.	3	BIOL 113L	1	CHEM 113L	1		
CORE 110 Effect Writ.	3	BIOL 210	3	CHEM 114	3		
CORE 115 or 116 Oral Comm.	3	BIOL 210L	1	CHEM 114L	1		
CORE 131 or 133 Civilization	3	BIOL 213	3	CHEM 241	3		
CORE 140 or 141-145 Forgn.	3	BIOL 213L	1	CHEM 241L	1		
CORE 150-159 Soc. Sci. <sup>1</sup>	3	BIOL 224 or 324	3	CHEM 242	3		
CORE 160-164 Literature	3	BIOL 224L or 324L	1	CHEM 242L	1		
CORE 170-179 The Arts	3	BIOL 229	1	MATH 128	4		
CORE 180-189 Amer. Studies <sup>1</sup>	3	BIOL 314	3				
CORE 190-199 Global Studies <sup>1</sup>	3	BIOL 314L	1				
CORE 250-259 Syst. Theology	3	BIOL 326	3				
CORE 260-269 Mor. Theology	3	BIOL 326L	1				
CORE 280 Philos. I	3	<b>CLS Major Science Electives:</b>					
CORE 281-289 Philos. II	3	MATH 125*			4		
		CLS Major Elective*			3		
		CLS Major Elective Lab*			1-2		
		CLS Major Elective*			3		
		CLS Major Elective Lab*			1-2		
Total Credits for CORE	43	Total Credits (Required & Recommended) for Major	57 -59			Total Credits for Clinical Rotation	30 -36

Minimum Credit Requirement at King's College (during three years)	91
Credits completed during Clinical Rotation (fourth year)	30 - 36
<b>Total Minimum Credits Required for Graduation</b>	<b>121 – 126</b>

Credits Required & Recommended at King's College (during three years)	100 – 102
Credits completed during Clinical Rotation (fourth year)	30 – 36
<b>Total Required &amp; Recommended Credits Required for Graduation</b>	<b>130 – 138</b>

\*Strongly Recommended; In addition to the Major sequence requirements, a CLS major is strongly encouraged to take MATH 125 and two of the following CLS Major Science Electives including the lab:

*Clinical Laboratory Major Science Electives	
BIOL 221 & 221L Anatomy & Physiology I for Med. Stud. & Lab	CHEM 243 & 243L Analytical Chemistry & Lab
BIOL 222 & 222L Anatomy & Physiology II for Med. Stud. & Lab	CHEM 244 & 244L Instrumental Analysis & Lab
BIOL 323 & 323L Genetics & Lab	
BIOL 450 & 450L Molec. Genetics: RNA Science & Lab	

\*\*Students are strongly encouraged to take some CORE courses during the summer months to help "lighten" their course load during a semester and to also allow for the Strongly Recommended courses.

**NOTE:** A student must complete the CORE and all required sequences at King's College (90 credits in three years) before being eligible to enter the Hospital-based internship (fourth year).

**Senior Year: Hospital-based Clinical Rotation (30-36 credits) which is approved by the American Society of Clinical Pathologists (ASCP), consisting of:** Clinical Chemistry, Hematology, Immunology, Microbiology, Phlebotomy, Transfusion Medicine, Renal Analysis.

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

- 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 **or** 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 graduation are "free electives." **Because of the Core, Major and Strongly Recommended courses, there are no "Free Electives" for students majoring in Clinical Lab Science.**

# CLINICAL LAB SCIENCE / MEDICAL TECHNOLOGY

## 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 semester at King's.

1 <sup>st</sup> Year - Fall		cr.	1 <sup>st</sup> Year - Spring		cr.
BIOL 113 Evolution & Diversity		3	BIOL 210 Organisms & Their Ecosystems		3
BIOL 113L Evolution & Diversity Lab		1	BIOL 210L Organisms & Their Ecosystems Lab		1
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 128 Intro. To Statistics & Data Analysis		4	MATH 125* Calculus		4
CORE		3	CORE		3
CORE 090 First Year Experience		1	CORE**		3
		<b>16</b>			<b>18*</b>
2 <sup>nd</sup> Year - Fall			2 <sup>nd</sup> 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
BIOL 213 Cell & Molecular Biology		3	BIOL 224 or BIOL 324		3
BIOL 213L Cell & Molecular Biology Lab		1	BIOL 224L or BIOL 324L		1
BIOL 326 Immunology		3	CORE		3
BIOL 326L Immunology Lab		1	CORE		3
CORE		3	CORE**		3
CORE**		3			
		<b>18*</b>			<b>17</b>
3 <sup>rd</sup> Year - Fall			3 <sup>rd</sup> Year - Spring		
Science Elective*		3	BIOL 314 Microbiology		3
Science Elective Lab*		1 – 2	BIOL 314L Microbiology Lab		1
CORE		3	Science Elective*		3
CORE		3	Science Elective Lab*		1 – 2
CORE		3	CORE		3
CORE**		3	CORE		3
			BIOL 229 Modern Techniques in Biological Sci.		1
		<b>16-17</b>			<b>15-16</b>
4 <sup>th</sup> Year - Fall & Spring					
Hospital-based Clinical Rotation					<b>30 - 36</b>
<b>Total Credits Required for Graduation = 121 – 138</b>					

\*Strongly recommended courses

\*\*Students are strongly encouraged to take some CORE courses during the summer months to help “lighten” their course load during a semester and to also allow for the Strongly Recommended courses.

**NOTE:** A student must complete the Core and all required sequences at King's College (first three years) before being eligible to enter the Hospital-based internship (fourth year).