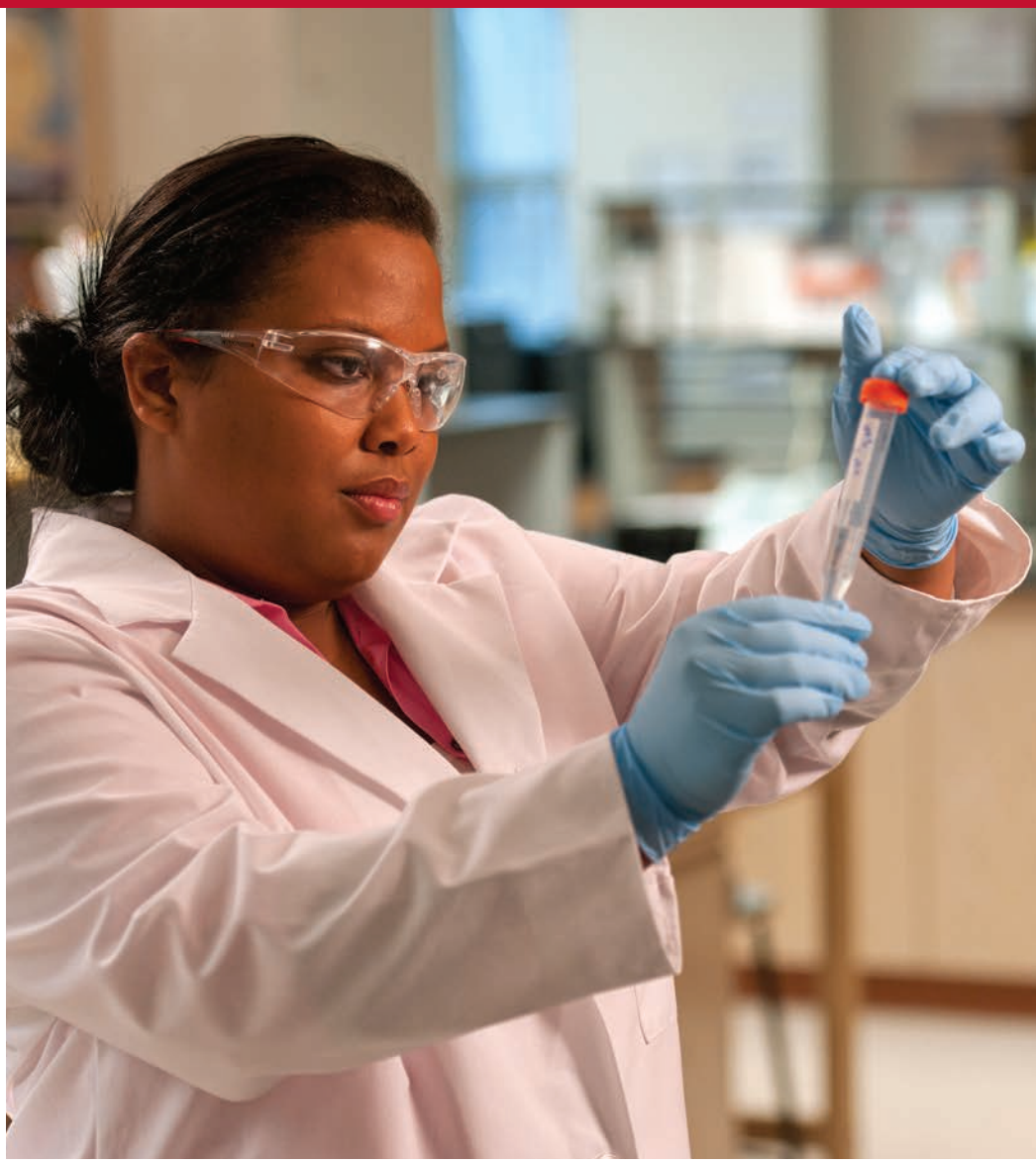
CLINICAL LAB SCIENCE/MEDICAL TECH

Don't you just hate getting sick? It sneaks up on you with a little sneeze and suddenly grows into a full blown cold and swollen glands the size of golf balls. Next thing you know, you find yourself on the examining table in your doctor's office having your throat swabbed to see if you have strep throat. Luckily for you, the test came back negative. And even luckier for you the hospital's medical technologist was available to run all of the necessary lab tests to get you the results you needed.



Clinical Laboratory Science/ Medical Technology at King's

As illustrated in the example above, medical technologists perform tests to determine what types of illnesses people may have, but their role in patient care does not end there. As a clinical laboratory science/medical technology major you will learn how to study and analyze various types of body fluids and tissue samples assisting doctors in their diagnoses. Just a sample of the types of tests medical technologists perform include complete blood counts, comprehensive metabolic panels, liver function tests, electrolyte panels, urinalysis, lipid profiles, renal function tests and routine cultures just to name a few.

Education and Experience

While some schools may provide you with a basic skill set, King's clinical laboratory science/medical technology majors acquire a well-rounded education. After you complete three years of core and science courses, you will have your transcripts evaluated by the National Accrediting Agency for Clinical Laboratory Sciences. Upon their approval, you will seek out a 12-month hospital-based clinical rotation approved by the American Society of Clinical Pathologists (ASCP) during which you will gain experience.

Job and Graduate School Placement

Many people who have earned a degree in clinical laboratory science/medical technology at King's have flourished in the workforce or graduate school. Here are some examples of where our alumni have found success:

- Drexel University, Master of Medical Science
- University of Virginia, graduate studies in physician assistant
- Hazleton General Hospital, medical technologist

To learn more about majoring in Clinical Lab Science/Medical Technology at King's College, please contact the Office of Admission at 1-888-KINGS PA or admissions@kings.edu.

Clinical Lab Science/Medical Tech (127–135 Credit Hours)

Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

1st Year - Fall	cr.	1st 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 and Data Analysis	4	Free Elective (*MATH 125 Calculus I*)	4
Core Course	3	Core Course	3
HCE 101 Holy Cross Experience	1	Core Course	3
	16		18
2nd Year – Fall		**2nd 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 Biochemistry for Medical Studies	3
BIOL 213L Cell & Molecular Biology Lab	1	BIOL 224 Biochemistry for Medical Studies Lab	1
BIOL 326 Immunology	3	Core Course	3
BIOL 326L Immunology Lab	1	Core Course	3
Core Course	3	Core Course	3
	15		17
3rd Year – Fall		**3rd Year – Spring**	
CLS Major Elective	3	BIOL 314 Microbiology	3
CLS Major Elective Lab	1-2	BIOL 314L Microbiology Lab	1
Core Course	3	BIOL 229 Modern Techniques in Biological Sci	1
Core Course	3	CLS Major Elective	3
Core Course	3	CLS Major Elective Lab	1-2
Core Course	3	Core Course	3
		Core Course	3
	16-17		15-16
4th Year – Fall & Spring			
Hospital-based Clinical Rotation, which is approved by the American Society of Clinical Pathologists (ASCP), consisting of the following: Clinical Chemistry, Hematology, Immunology, Microbiology, Phlebotomy, Transfusion Medicine, Renal Analysis			30 - 36
Total Credits Required for Graduation = 127–135			