



CHEMISTRY

BACHELOR OF SCIENCE (B.S.)

Explore the elements that make up our world and how even the smallest reactions can change our bodies and the environment around us.

Whether you're captivated by molecular structures or excited by the vast applications of chemistry across various industries, our curriculum is designed to inspire and challenge you. With hands-on laboratory experience and guidance from expert faculty, you'll be well-prepared for advanced studies and diverse career opportunities.

OPPORTUNITIES AT KING'S COLLEGE

We believe chemistry is a dynamic force that drives innovation. Experience a classroom where theories aren't just discussed but brought to life through conducting hands-on experiments and groundbreaking research. Here is what makes our chemistry degree program unique:

ACS certification: our chemistry program is certified by the American Chemical Society – a recognition reserved for programs that adhere to rigorous standards of excellence.

Dynamic learning approach: we believe in learning that transcends textbooks. Our chemistry program immerses you in an engaging and interactive educational experience through hands-on laboratory sessions and close interactions with accomplished faculty.

Undergraduate research: gain independence and confidence in the laboratory with ownership of individual research projects. This offers the opportunity for students to gain field experience right on campus.

Strong faculty-student interaction: our deliberately small class sizes ensure each student receives personal attention in the classroom, the lab, and beyond.



MEAGHAN DEVINE '24

"There is no doubt in my mind that the King's College Chemistry Department creates the best environment to learn and thrive. The small classes and supportive faculty are hallmark features of an incredible education centered around engagement and success."



**KING'S
COLLEGE**
TRANSFORMATION. COMMUNITY. HOLY CROSS.

CAREER OPPORTUNITIES

As a chemistry major, you possess a unique skill set that enables you to address complex challenges and drive innovation. Whether your passion is ignited in research, industry, healthcare, or environmental conservation, your chemistry degree equips you for success.

With a solid foundation in chemistry, you're poised to make significant contributions to research and development. You might find yourself working in the pharmaceutical industry, devising groundbreaking drugs, or advancing sustainable technologies that shape our future. You may even prefer academia, where you conduct cutting-edge research that reinvents industry-standard knowledge.

Graduates of the program can find successful careers as:

- analytical chemists
- chemical engineers
- educators
- research scientists
- forensic scientists

DEGREE REQUIREMENTS

Below is a sample of courses offered in this program. For a complete list of programs and courses, see our Degree Requirements online.

Bachelor of Science in Chemistry

CHEM 113/L	General Chemistry I
CHEM 114/L	General Chemistry II
CHEM 241/L	Organic Chemistry I
CHEM 242/L	Organic Chemistry II
CHEM 243/L	Analytical Chemistry
CHEM 244/L	Instrumental Analysis
CHEM 351	Technological Competency
CHEM 357/L	Physical Chemistry I
CHEM 471	Advanced Inorganic Chemistry
CHEM 493	Senior Colloquium I
CHEM 494	Senior Colloquium II
MATH 129	Analytic Geometry and Calculus I
MATH 130	Analytic Geometry and Calculus II
MATH 238	Differential Equations

Bachelor of Science in Chemistry - Business

MSB 110	Intro to Financial Reporting
MSB 200	Principles of Management
MSB 210	Principles of Marketing
MSB 220	Financial Management
CORE 153	Principles of Economics: Macro
ECON 112	Principles of Economics: Micro



\$86,620

MEDIAN ANNUAL SALARY FOR
CHEMISTS & MATERIAL SCIENTISTS

8%

OVERALL EMPLOYMENT GROWTH
FROM 2023-33

*Statistics provided by U.S. Bureau of
Labor Statistics*

CONTACT US

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