CHEMISTRY DEPARTMENT

MAJOR MAP

Bachelor of Science, American Chemical Society (ACS) Certified

WASHBURN UNIVERSITY
COLLEGE OF ARTS AND SCIENCES

	1ST YEAR	2ND YEAR	3RD YEAR	4TH OR FINAL YEAR
GET THE COURSES YOU NEED	• Take CH 151, CH 152, MA 151, MA 152, EN 101, WU 101, and two general education courses • For degree requirements, visit the Degrees page on the Chemistry Department website	• Take CH 340, CH 341, CH 342, CH 343, PS 281, two natural science courses, and three general education courses	• Take CH 320, CH 321, CH 345, CH 346, CH 362, CH 386, CH 390, PS 282, CM 111, and two natural science courses • Talk with the chemistry professors about their research and select a research project. • Complete the Research Project Selection Form	• Take CH 350, CH 381, CH 382, CH 385, CH 391, two general education courses, and other elective courses (minimum of 9 credit hours) • Apply for graduation • Submit instrument portfolio
GET RELEVANT EXPERIENCE	• Join the Washburn Chemistry Club and Biology Club. • Consider participating in one or more Washburn Transformation Experience (WTE) programs, including the Leadership WTE. • Attend scientific meetings such as local or regional American Chemical Society (ACS) Meetings and the Annual Meeting of the Kansas Academy of Science	• Consider being a chemistry tutor for first-year chemistry courses. • Consider doing K-INBRE funded research. • Volunteer on and off campus with Washburn Chemistry Club – science demonstrations for K-12 students, Ad Astra Kansas Space Celebration, and Women in Science Day	• If you have completed research, consider presenting the results at scientific meetings and/or the Apeiron at Washburn. • Look into summer NSF REU programs or other research opportunities in the summer	• Investigate requirements for careers or professional school related to your interests. Assess what experience you are lacking and fill in gaps with leadership roles, additional research, and presentations
POST-GRAD PREPARATION	• Consider career options – peruse the "What Can I Do With This Major?" website. • Discuss career options with your advisor	• Use the ASBMB Career Paths website to explore careers specific to biochemistry • Prepare for work or studies in a multi-cultural environment by attending international Brown Bag lectures	• Focus on areas of interest and research requirements. Consider what careers require further education. If needed, prepare to take any required tests (like MCAT or GRE)	• Prepare your resume and apply for jobs, or submit application for graduate school or professional school. • Consider applying for research fellowships

WHERE COULD I GO AFTER GRADUATION?

- Health departments
- Forensics laboratories
- Environmental chemistry laboratories
- Chemical industry
- Pharmaceutical industry
- Petroleum industry
- Plastics industry
- Food industry
- Cosmetics industry
- Waste management
- Teaching/Education
- Sales and marketing
- Technical writing
- Scientific journalism
- Scientific publishing
- Scientific computer software development
- Graduate school
- Medical school
- Dental school
- Pharmacy school
- Optometry school
- Law school

Some careers require additional education/ training.

VISIT www.washburn.edu FOR MORE INFORMATION

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