

CHEMISTRY DEPARTMENT MAJOR MAP

Bachelor of Science in Biochemistry

1ST YEAR

2ND YEAR

3RD YEAR

4TH OR FINAL YEAR

WHERE COULD I GO AFTER GRADUATION?

GET THE COURSES YOU NEED

- Take BI 102, CH 151, 152, EN 101, MA 151, PS 281, WU 101, and one general education course
- For degree requirements, visit the Degrees page on the Chemistry Department website

- Take BI 301, 333, CH 340, 341, 342, 343, CM 111, PS 282, and two general education courses

- Take BI 353, CH 350, 351, 352, 353, 390, EN 300, and three general education courses. Take either CH 320 and 321 or CH 381 depending on rotation schedule.

- Take BI 354, CH 391, and electives. Take either CH 320 and 321 OR CH 381 depending on course rotation schedule. Take BI elective course to fulfill NSD minor.
- Apply for graduation

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

- Consider being a chemistry tutor
- Explore summer research programs such as an NSF REU.
- Volunteer at hospitals or shadow medical professionals if you are considering a medical profession

- 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.

- Consider continuing your research project and apply for student funding through K-INBRE
- Apply to conduct a Scholarly or Creative WTE, which can include a research project. Present your results at Apeiron and other conferences.

BUILD YOUR NETWORK

- 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

- Get involved with Chemistry Club
- Attend Apeiron and other speaker events

- Attend regional conferences such as Heartland Undergraduate Biochemistry Forum
- Contact alumni or network at events with people working in careers of interest

- Join professional associations like the American Society for Biochemistry and Molecular Biology (ASBMB). If possible, attend a national or international meeting such as the ASBMB national meeting.

THINK GLOBALLY

- Prepare for work or studies in a multi-cultural environment by participating in multi-cultural events such as International Brown Bag lectures

- Peruse the Washburn study abroad opportunities site and apply for a study abroad scholarship. Understand requirements and consider completing the International Education WTE.

- Consider completing an International Education WTE. Build your intercultural competence by getting involved with other cultures through language skills or joining Washburn International Club.

- Speak with an international advisor if considering applying abroad for graduate school

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

- 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

- Agricultural sciences
- Biomedical engineering
- Biotechnology
- Chemical industry
- Dentistry
- Epidemiology
- Health departments
- Graduate studies
- Law (especially patent law)
- Medicine
- Optometry
- Pharmacy
- Pharmaceutical industry
- Public Health
- Sales and marketing
- Scientific journalism
- Scientific publishing
- Scientific computer software development
- Teaching/Education
- Technical writing
- Veterinary medicine

Some careers require additional education or training.

VISIT
www.washburn.edu
FOR MORE
INFORMATION