

### Bachelor of Arts 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, FL 101, 102, MA 116, EN 101, and WU 101
- For degree requirements, visit the Degrees page on the Chemistry Department website

- Take BI 301, CH 340, 341, 342, 343, MA 117, PS 261, 262 and two general education courses.
- Begin saving spectra from chemistry laboratory courses for use in your instrument portfolio that needs to be turned in before graduation

- Take BI 333, 354, CH 350, 351, 352, 353, 390, EN 300, and three general education courses.
- Talk with the chemistry professors about their research and select a research project. Complete the Research Project Selection Form

- Take CH 391, four general education courses, one elective, and three upper division elective courses.
- 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

- Consider being a chemistry tutor
- Investigate possibilities of shadowing experiences related to your career interests. If you are considering a medical profession, volunteer at Stormont-Vail through the College Volunteer program

- 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

- 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 shadowing/volunteering experiences

#### 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

- If you are interested in studying abroad, explore the opportunities – consider completing an International Education WTE

- Attend Apeiron and other speaker events.
- 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)

#### THINK GLOBALLY

- Prepare for work or studies in a multi-cultural environment by attending 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

- Complete 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

- If you plan to apply for professional school, prepare to take the required tests such as the MCAT or PCAT

- Prepare your resume and apply for jobs, or submit application for graduate school or professional school

- 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/training.*

**VISIT  
www.washburn.edu  
FOR MORE  
INFORMATION**