Possible Programs of Study:

1ST YEAR
- Primary focus on college introductory science cultural experience via calculus and chemistry.

2ND YEAR
- Engagement in mainstream mid-level college science courses in physics, organic chemistry, and quantitative analysis.
- Development of lab skills; increased understanding of chemical hygiene and safety culture practiced widely throughout industry through completion of course in this area.

3RD YEAR
- Engagement in mainstream upper-level college science courses in physical chemistry, biochemistry, inorganic chemistry, and analytical chemistry.
- Continued development of laboratory skills; increased understanding of chemical hygiene and safety culture practiced widely throughout industry.

4TH OR FINAL YEAR
- Complete advanced in-depth course work in chemistry.
- Complete senior seminar course.

RELEVANT EXPERIENCE
- Students starting in CHEM105 have opportunity to pursue General Chemistry laboratory honors research experiences in spring.
- Possible summer research or internship experience for students who have taken Organic Chemistry.

COMMUNITY CONNECTION
- Opportunity to participate in Winthrop’s professional chemistry association that is a recognized Student Chapter of the American Chemical Society (SAACS). The American Chemical Society is the world’s largest science association.

GLOBAL THINKING
- Attend Winthrop cultural events focusing on other cultures or on international issues.

LIFE AFTER GRADUATION
- Review the chemistry curriculum and general education requirements and learn about specific degree tracks.
- Consult with your academic advisor to review program requirements and long-term goals, and develop a 4-year plan.

AFTER GRADUATION
- CAREERS OF INTEREST
  - With a degree in chemistry or biochemistry you may consider careers as a:
    - Chemical or biochemical scientist/researcher
    - Doctoral health professional (Physician, dentist, veterinarian, pharmacist, physical therapist)
    - Forensic scientist
    - Engineer
    - Science teacher
    - Technical salesperson
    - Patent/intellectual property lawyer
    - Scientific/technical writer
- SKILLS & QUALIFICATIONS I MIGHT NEED INCLUDE:
  - Research and/or internship experience relevant to career plans
  - Ability to work in teams
  - Analytical and problem-solving skills
  - Communication skills