

# SIMPSON COLLEGE

# BIOCHEMISTRY

## BIOCHEMISTRY MAJOR

### COURSES REQUIREMENTS:

- Chem 101 General Chemistry I
- Chem 102 General Chemistry II
- Chem 201 Organic Chemistry I
- Chem 202 Organic Chemistry II
- Chem 301 Physical Chemistry
- Chem 330 Biochemistry
- Chem 330L Cellular Biochemistry Laboratory
- Biol 111 Principles of Biology II
- Biol 334 Cellular Biology
- Biol 360 Molecular Genetics
- Mat 151 Calculus
- Biol/Chem 370 Biochemistry Seminar (.5 course)
- Biol/Chem 398 Research (.25 course)
- Biol/Chem 386 Capstone Writing and Presentation in Biochemistry (.5 course)

In addition to above classes, an additional 8 credits of biology and chemistry electives are required.

**For those students planning on going to graduate school in a field related to biochemistry, it is recommended to take at least 2 additional electives selected from the following:**

- Biol 251 Microbiology
- Biol 285 Developmental Biology
- Chem 205 Quantitative Analysis
- Chem 307 Instrumental Analysis
- Biol/Chem 398 Independent Research
- Biol/Chem 390/390 Special Topics

***And all of the supporting courses listed below:***

- Physics 151/152 OR 191/192
- Math 152
- Math 135