

## Southwestern Community College

### Chemistry & Biochemistry

For students planning to transfer to UNI and major in Chemistry or Biochemistry, the following plan of study is generally recommended:

1. Complete an Associate of Science (A.S.) at Southwestern Community College
2. Complete ALL of the following courses at SWiCC (within the A.S. degree):

UNI COURSE	UNI NAME	SWiCC COURSE	SWiCC NAME
CHEM 1110	General Chemistry I	CHM 166	General Chemistry I
CHEM 1120	General Chemistry II	CHM 176	General Chemistry II
CHEM 2210	Organic Chemistry I	CHM 261	Organic Chemistry I
CHEM 2220	Organic Chemistry II	CHM 271	Organic Chemistry II
MATH 1420	Calculus I	MAT 210 (or 211)	Calculus I
MATH 1421	Calculus II	MAT 216	Calculus II
PHYSICS 1511 <b>AND</b> PHYSICS 1512	General Physics I <b>AND</b> General Physics II	PHY 162 <b>AND</b> PHY 172	College Physics I <b>AND</b> College Physics II
<b>OR</b>	<b>OR</b>	<b>OR</b>	<b>OR</b>
PHYSICS 1701 <b>AND</b> PHYSICS 1702	Physics I for Science & Engineering <b>AND</b> Physics II for Science & Engineering	PHY 212 <b>AND</b> PHY 222	Classical Physics I <b>AND</b> Classical Physics II
BIOL 2052	General Biology: Cell Structure & Function	BIO 114	General Biology IA with lab

#### NOTES FROM AN ADVISOR

1. Students must complete the ALEKS Mathematics Placement Examination

**FOR MORE INFORMATION:** DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY  
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Phone: 319-273-2437  
Email: [chemistry@uni.edu](mailto:chemistry@uni.edu) or [biochemistry@uni.edu](mailto:biochemistry@uni.edu)

#### Are you Interested in a pre-professional program?

See the additional coursework recommended below as prerequisites for applying to Professional programs:

- [Pre-Chiropractic](#)
- [Pre-Dentistry](#)
- [Pre-Med](#)
- [Pre-OT](#)
- [Pre-Optometry](#)
- [Pre-Pharmacy](#)
- [Pre-Physician's Assistant](#)
- [Pre-Physical Therapy](#)
- [Pre-Vet](#)