

## Southwestern Community College

### Chemistry Teaching

For students planning to transfer to UNI and major in Chemistry Teaching, 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	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
TEACHING 2020	Intro to Teaching: Exploring Options	EDU 151	Observation in Teaching I
SPIE 3150	Meeting the Needs of Diverse Learners in Classrooms	EDU 245	Exceptional Learner
EDPSYCH 2068	Development & Learning in Sociocultural Contexts	PSY 121 <b>OR</b> PSY 222 <b>OR</b> PSY 223	Developmental Psychology <b>OR</b> Child Psychology <b>OR</b> Child & Adolescent Psychology
EDPSYCH 3200	Deeper Motivation & the Highly Engaged Classroom	EDU 240 <b>OR</b> PSY 281	Educational Psychology <b>OR</b> Educational Psychology
SOCFOUND 2119	Social & Cultural Foundations of Education	EDU 213	Intro to Education

#### NOTES FROM AN ADVISOR

1. Students must complete the ALEKS Mathematics Placement Examination

#### CHECKLIST FOR ADMISSION TO THE UNI TEACHER EDUCATION PROGRAM

- Have a declared major
- Have a cumulative GPA of 2.5 (or higher)
- Earned credit for TEACHING 2020 or equivalent (10 hours of observation in a PreK-12 classroom)
- Have completed an application to the Teacher Education Program

#### FOR MORE INFORMATION:

DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY

1227 West 27<sup>th</sup> St.

Phone: 319-273-2437

Email: [chemistry@uni.edu](mailto:chemistry@uni.edu) or [biochemistry@uni.edu](mailto:biochemistry@uni.edu)