

## Des Moines Area 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 Des Moines Area Community College
2. Complete ALL of the following courses at DMACC (within the A.S. degree):

UNI COURSE	UNI NAME	DMACC COURSE	DMACC NAME
CHEM 1110	General Chemistry I	CHM 165	Gen/Inorganic Chemistry I
CHEM 1120	General Chemistry II	CHM 175	Gen/Inorganic Chemistry II
CHEM 2210	Organic Chemistry I	CHM 263	Organic Chemistry I
CHEM 2220	Organic Chemistry II	CHM 273	Organic Chemistry II
MATH 1420	Calculus I	MAT 211	Calculus I
MATH 1421	Calculus II	MAT 217	Calculus II
PHYSICS 1511 <b>AND</b> PHYSICS 1512	General Physics I <b>AND</b> General Physics II	PHY 160 <b>AND</b> PHY 161	General Physics I <b>AND</b> General 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 213 <b>AND</b> PHY 223	Classical Physics I <b>AND</b> Classical Physics II
BIOL 2052	General Biology: Cell Structure and Function	BIO 112	General Biology I
TEACHING 2017	Level I Field Experience	EDU 218	Initial Field Experience
EDPSYCH 2030	Dynamics of Human Development	PSY 121	Developmental Psychology
SPED 3150	Meeting the Needs of Diverse Learners in the Classrooms	EDU 245	Exceptional Learner
EDPSYCH 3148	Learning & Motivation in Classroom Contexts	PSY 281	Educational Psychology

#### 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 2017 or equivalent
- ☐ Have completed an acceptable Application to the Teacher Education Program (Please allow a minimum of 4 weeks for application process) <https://teachered.uni.edu/admission-uni-teacher-education-program>

#### FOR MORE INFORMATION:

DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY  
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