

# Chemistry Education

## Department Information

- **Department Location:**  
Katherine Kilbourne Burgum Family Life, 4-H Center
- **Department Phone:**  
701-231-7921
- **Department Web Site:**  
[www.ndsu.edu/education/](http://www.ndsu.edu/education/) (<http://www.ndsu.edu/education/>)
- **Credential Offered:**  
B.S.; B.A.
- **Official Program Curriculum:**  
[bulletin.ndsu.edu/undergraduate/program-curriculum/chemistry-education/](http://bulletin.ndsu.edu/undergraduate/program-curriculum/chemistry-education/) (<http://bulletin.ndsu.edu/undergraduate/program-curriculum/chemistry-education/>)

## Sample Program Guide

Please note this is a sample program guide and not an official curriculum. Actual student schedules for each semester will vary depending on start year, education goals, applicable transfer credit, and course availability. Once admitted, students are encouraged to work with their assigned academic advisor on a regular basis to review degree progress.

First Year			
Fall	Credits	Spring	Credits
BIOL 124 & BIOL 100L		4 CHEM 122 or 151 (Must be matching lab with lecture)	3
CHEM 121 or 150 (Must be matching lab with lecture)		3 CHEM 122L or 161 (Must be matching lab with lecture)	1
CHEM 121L or 160		1 COMM 110	3
ENGL 110 (or 120 College Composition II based on placement)		3 ENGL 120	3
GEOL 105 & 105L		4 GEOL 106 & 106L	4
		Humanities & Fine Arts Gen Ed*	3
		<b>15</b>	<b>17</b>
Second Year			
Fall	Credits	Spring	Credits
CHEM 341 & 341L		4 CHEM 342 & 342L	4
EDUC 321		3 EDUC 322	3
MATH 165		4 MATH 166	4
PHYS 211 & 211L		4 PHYS 212 & 212L	4
Wellness Gen Ed		2 Apply to the School of Education	
Complete Core Academic Skills Exam or access your ACT+ scores			
		<b>17</b>	<b>15</b>
Third Year			
Fall	Credits	Spring	Credits
BIOL 150 & 150L		4 BIOC 260	4
CHEM 465		4 CHEM 425	3

EDUC 451		3	EDUC 481		3
Social & Behavioral Science Gen Ed*		3	EDUC 486		3
Humanities & Fine Arts Gen Ed*		3	Social & Behavioral Science Gen Ed*		3
		<b>17</b>			<b>16</b>
<b>Fourth Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Spring</b>		<b>Credits</b>	
CHEM 431 & 431L		5	EDUC 485		1
EDUC 482		3	EDUC 487		9
EDUC 489		3	EDUC 488		3
ENGL 324		3			
STAT 330		3			
Apply for Student Teaching					
Complete PLT (grades 7-12) Exam					
Complete Subject Area Assessment Exam					
		<b>17</b>			<b>13</b>

**Total Credits: 127**

\* One of these General Education courses needs to be selected from Category D - Cultural Diversity.