

# Chemistry - Teaching Licensure (BS) Four-Year Plan

## Chemistry, Teaching Licensure - Bachelor of Science 2021-22 Four-Year Plan

### Freshman

First Term	Hours	Second Term	Hours
ENGL 110C		3 ENGL 211C or ENGL 221C or ENGL 231C (Grade of C or better required)	3
MATH 163		3 MATH 211	4
CHEM 121N and CHEM 122N		4 CHEM 123N and CHEM 124N or CHEM 125	4
STEM 101		1 Philosophy and Ethics	3
Human Creativity		3 STEM 102	1
		<b>14</b>	<b>15</b>

### Sophomore

First Term	Hours	Second Term	Hours
CHEM 211 and CHEM 212		5 CHEM 213 AND CHEM 214 or CHEM 216	5
MATH 212		4 PHYS 232N	4
PHYS 231N		4 STEM 202	3
STEM 201		3 CHEM 321 and CHEM 322	5
		<b>16</b>	<b>17</b>

### Junior

First Term	Hours	Second Term	Hours
CHEM 331		3 CHEM 333	3
CHEM 332W		2 CHEM 334W	2
CHEM 441		3 CHEM 449	3
CHEM 351		3 COMM 101R	3
CHEM 352 or CHEM 442W		2-4 Information Literacy and Research (Can be met by CHEM 125)	0-3
Impact of Technology		3 Literature	3
		<b>16-18</b>	<b>14-17</b>

### Senior

First Term	Hours	Second Term	Hours
CHEM 421 and CHEM 422		6 STEM 485	9

CHEM 468	3	CHEM 415 or CHEM 439 or CHEM 443 or CHEM 451	3
STEM 401	3	STEM 402	3
Human Behavior	3	CHEM 485	1
Interpreting the Past	3		
	<b>18</b>		<b>16</b>

**Total credit hours: 126-131**

Language and Culture I & II may be met in high school and are not included in this 4-year plan. Please see requirement details.

\*The four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.