

Fayetteville State University

Chemistry with a concentration in General Chemistry, BS

Four-Year Degree Plan

Catalog: 2018-2019

Type: Freshman

Last Update: 10/10/2018

This Plan illustrates how students can meet degree course requirements in four years. Some courses listed below may be taken in an alternate order. Consider prerequisites, prior credit, course availability, and student needs in developing the individual plan. Courses fulfilling requirements are listed on the reverse. For information about prerequisites and other program requirements, consult the appropriate Catalog Program of Study and an advisor. Note: NC community college transfers should consult one of the transfer plans.

Year/Term	Course/Requirement	Cr	Pre	Req	Note/Equivalent
Year 1 Fall		14			
UNIV 101 - Freshman Seminar I		1	N	1.1	
Core Transitional Life		1	N	1.2	
ENGL 110 - English Composition I		3	N	2.1	
PHIL 110 Or PHIL 220		3	N	3.1	
MATH 129 - Precalculus Mathematics I		3	Y	3.2	
Core Humn Creative Arts		3	C	6	

Year 2 Fall		17			
BADM 215 Or SPEE 200		3	Y	2.2	
CHEM 161 - General Chemistry II Lecture		3	Y	5.1	
CHEM 161L - General Chemistry II Lab		1	Y	5.1	
Core Social Sci		3	N	5.2	
Core Ethics Civic Engage		3	C	8	
MATH 142 - Calculus with AnalyticGeometry		4	Y	9.3	

Year 3 Fall		16			
CHEM 211 - Analytical Chemistry Lecture		3	Y	9.1	
CHEM 211L - Analytical Chemistry Lab		1	Y	9.1	
CHEM 225 - Organic Chemistry II		3	Y	9.1	
CHEM 225L - Organic Chemistry II Lab		1	Y	9.1	
MATH 242 - Calculus w/ Anal Geom III		4	Y	9.3	
PHYS 125 - College Physics I		3	Y	9.3	
PHYS 125L - College Physics I Lab		1	Y	9.3	

Year 4 Fall		15			
CHEM 313 - Physical Chemistry I		3	Y	9.1	
CHEM 313L - Physical Chemistry I Lab		1	Y	9.1	
CHEM 421 - Inorganic Chemistry		3	Y	9.1	
CHEM 491 - Research II		2	Y	9.1	
Chemistry Elective		3	C	9.2	
Science and Math Elective		3	C	11	

Degree Total: 120

Year/Term	Course/Requirement	Cr	Pre	Req	Note/Equivalent
Year 1 Spring		15			
UNIV 102 - Freshman Seminar II		1	N	1.1	
Core Transitional Life		1	N	1.2	
ENGL 120 - English Composition II		3	Y	4	
CHEM 141 - General Chemistry I Lecture		3	Y	5.1	
CHEM 141L - General Chemistry I Lab		1	Y	5.1	
Core Global Literacy		3	C	7	
MATH 130 - Precalculus Mathematics II		3	Y	9.3	

Year 2 Spring		14			
CHEM 200 - Chem Lit Search and Analysis		2	Y	9.1	
CHEM 223 - Organic Chemistry I Lecture		3	Y	9.1	
CHEM 223L - Organic Chemistry I Lab		1	Y	9.1	
BIOL 150 - Principles of Biology		3	Y	9.3	
BIOL 150L - Principles of Biology Lab		1	Y	9.3	
MATH 241 - Calculus with Anal Geometry II		4	Y	9.3	

Year 3 Spring		16			
BICH 411 - Biochemistry I		3	Y	9.1	
CHEM 311 - Instrumental Analysis Lecture		3	Y	9.1	
CHEM 311L - Instrumental Analysis Lab		2	Y	9.1	
CHEM 390 - Research I		1	N	9.1	
PHYS 126 - College Physics II		3	Y	9.3	
PHYS 126L - College Physics Lab II		1	Y	9.3	
Science and Math Elective		3	C	11	

Year 4 Spring		13			
CHEM 314 - Physical Chemistry II		3	Y	9.1	
CHEM 314L - Physical Chemistry II Lab		1	Y	9.1	
CHEM 499 - Chemistry Capstone		3	Y	9.1	
Chemistry Elective		3	C	9.2	
Science and Math Elective		3	C	11	

Requirements/Notes

Pre. Prerequisite: Y (Yes) - Course/Requirement has prerequisite(s). N (No) - Course/Requirement has no prerequisite. C (Check) - Some courses satisfying requirement have prerequisites and/or courses have non-prerequisite restrictions. Check Catalog for details.

* Recommended. For transfer courses, following recommendations will reduce or eliminate the need to take additional courses at FSU. For FSU courses, following recommendations will optimize the student's educational experience. If in doubt, consult an advisor.

- 1.1. **Core Transitional UNIV.** (UNIV 101 And UNIV 102) Or UNIV 110 Or UNIV 111 . UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.
- 1.2. **Core Transitional Life.** ENTR 100 Or FINC 100 Or GEOG 110 Or HEED 112 Or HEED 113 Or PEDU 101 Or PEDU 107 Or PEDU 112 Or PEDU 120 Or PEDU 122 Or PEDU 130 Or PEDU 132 Or PEDU 140 .
- 2.1. **Core Written Comm.** ENGL 110 .
- 2.2. **Core Oral Comm.** BADM 215 Or SPEE 200 .
- 3.1. **Core Critical Thinking.** PHIL 110 Or PHIL 220 . Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.
- 3.2. **Core Quantitative Reason.** MATH 129 Or MATH 131 . MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.
4. **Core Info Literacy.** ENGL 120 .
- 5.1. **Core Natural Sci.** CHEM 141 And CHEM 141L And CHEM 161 And CHEM 161L .
- 5.2. **Core Social Sci.** CRJC 210 Or ECON 211 Or ECON 212 Or GEOG 210 Or HIST 212 Or HIST 271 Or POLI 200 Or POLI 210 Or POLI 220 Or POLI 270 Or PSYC 210 Or SOCI 210 .
6. **Core Humn Creative Arts.** ART 210 Or COMM 220 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or ENGL 250 Or ENGL 253 Or HIST 210 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 225 Or MUSI 260 Or PHIL 210 Or RELI 215 Or THEA 203 .
7. **Core Global Literacy.** ANTH 210 Or ART 150 Or ART 215 Or BADM 210 Or CHIN 110 Or CHIN 120 Or ENGL 211 Or ENGL 212 Or FREN 110 Or FREN 120 Or GEOG 220 Or GLOBL 200 Or HIST 110 Or HIST 120 Or HIST 270 Or PHIL 211 Or POLI 230 Or SOCI 150 Or SPAN 110 Or SPAN 112 Or SPAN 120 Or SPAN 122 Or THEA 242 Or YORU 110 Or YORU 120. Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.
8. **Core Ethics Civic Engage.** BADM 220 Or COHE 200 Or CRJC 203 Or EDUC 211 Or ENEC 210 Or ENGL 232 Or ENGL 233 Or ETCE 101 Or ETCE 102 Or ETCE 103 Or ETCE 200 Or GEOG 270 Or HCM 200 Or HIST 211 Or PHIL 120 Or PHIL 122 Or PNUR 210 Or POLI 110 Or POLI 150 Or SPTM 210 Or SWRK 220 . Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.
- 9.1. **Chemistry Courses.** BICH 411 And CHEM 200 And CHEM 211 And CHEM 211L And CHEM 223 And CHEM 223L And CHEM 225 And CHEM 225L And CHEM 311 And CHEM 311L And CHEM 313 And CHEM 313L And CHEM 314 And CHEM 314L And CHEM 390 And CHEM 421 And CHEM 491 And CHEM 499.
- 9.2. **Chemistry Elective.** CHEM 400 Or CHEM 422 Or CHEM 423 Or CHEM 424 Or CHEM 430 Or CHEM 431 Or BICH 412 Or MATS 301 Or MATS 311 Or MATS 321 Or MATS 360 Or MATS 423 Or MATS 460. .
- 9.3. **Correlative.** BIOL 150 And BIOL 150L And MATH 130 And MATH 142 And MATH 241 And MATH 242 And PHYS 125 And PHYS 125L And PHYS 126 And PHYS 126L .
11. **Science and Math Elective.** CSC 105 Or any BICH, BIOL, BTCH, CHEM, FORS, MATH, MATS, PHYS, STAT, or ZOOLOGY courses at the 200 level or above. .