Fayetteville State University Four-Year Degree Plan 2/23/2018

Chemistry with a concentration in General Chemistry, BS

Catalog: 2017-2018 Plan Type: NC Community College Transfer-AS

Last Update:

This Plan illustrates how students who begin as transfers from North Carolina community colleges 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. For information about prerequisites and other program requirements, consult the appropriate Catalog Program of Study and an advisor.

Year/Term Course/Requirement	Cr Pre Req Note/Equivalent	Year/Term Course/Requirement	Cr Pre Req Note/Equivalent
Year 1 Fall Community College	14	Year 1 Spring Community College	15
ACA 122 - College Transfer Success	1 C 1.11 UNIV 110	ACA 122 - College Transfer Success	1 C 1.11 UNIV 110
ENG 111 - Writing and Inquiry	3 C 2.11 ENGL 110	ENG 112 - Writing/Research in the Disc	3 C 2.11 ENGL 120
UGETC: Comm/Hum	3 C 2.23 Humn Creative Arts	UGETC: Comm/Hum	3 C 2.23 Humn Creative Arts
MAT 171 - Precalculus Algebra	4 C 3.22 MATH 129	MAT 172 - Precalculus Trigonometry	4 C 3.22 MATH 130
UGETC: Soc/Behav Sci	3 C 5.21 Social Sci	UGETC: Natural Sci AS - CHM 151*	4 C 5.12 CHEM 141
Year 2 Fall Community College	18	Year 2 Spring Community College	16
UGETC: Natural Sci AS - CHM 152*	4 C 5.12 CHEM 161	CHM elective	3 C 9.11
UGETC: Soc/Behav Sci	3 C 5.21 Social Sci	BIO 111 - General Biology I	4 C 9.11 BIOL 150
GEN ED: Addl	4 C 8.2	CHM 263 - Analytical Chemistry	5 C 9.11 CHEM 211T
GEN ED: Addl	3 C 8.2	MAT 272 - Calculus II	4 C 9.11 MATH 241
GEN ED: Addl - MAT 271*	4 C 8.2 MATH 142		
Year 3 Fall Fayetteville State	17	Year 3 Spring Fayetteville State	16
CHEM 223 - Organic Chemistry I Lecture	3 Y 9.1	CHEM 200 - Chem Lit Search and Analysis	2 Y 9.1
CHEM 224 - Organic Chemistry I Lab	1 Y 9.1	CHEM 225 - Organic Chemistry II	4 Y 9.1
CHEM 311 - Instrumental Analysis Lecture	3 Y 9.1	CHEM 226 - Organic Chemistry II Lab	1 Y 9.1
CHEM 311L - Instrumental Analysis Lab	2 Y 9.1	CHEM 313 - Physical Chemistry I	3 Y 9.1
MATH 242 - Calculus w/ Anal Geom III	4 Y 9.3	CHEM 313L - Physical Chemistry I Lab	1 Y 9.1
PHYS 125 - College Physics I	3 Y 9.3	CHEM 390 - Research I	1 N 9.1
PHYS 125L - College Physics I Lab	1 Y 9.3	PHYS 126 - College Physics II	3 Y 9.3
		PHYS 126L - College Physics Lab II	1 Y 9.3
Year 4 Fall Fayetteville State	15	Year 4 Spring Fayetteville State	12
BICH 411 - Biochemistry I	3 Y 9.1	CHEM 421 - Inorganic Chemistry	3 Y 9.1
CHEM 314 - Physical Chemistry II	3 Y 9.1	CHEM 499 - Chemistry Capstone	3 Y 9.1
CHEM 314L - Physical Chemistry II Lab	1 Y 9.1	Chemistry Elective	3 C 9.2
CHEM 491 - Research II	2 Y 9.1	Science and Math Elective	3 C 11
Chemistry Elective	3 C 9.2		
Science and Math Elective	3 C 11		
Degree Total:	123		

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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.
- UGETC. Universal General Education Transfer Component course. Accepted as satisfying a general education requirement under the Comprehensive Articulation Agreement.
- **1.11.** Transfer Success. ACA 122.
- **2.11.** UGETC: English Comp. ENG 111 And ENG 112.
- 2.23. UGETC: Comm/Hum. COM 231 Or ART 111 Or ART 114 Or Art 115 Or ENG 231 Or ENG 232 Or ENG 241 Or ENG 242 Or MUS 110 Or MUS 112 Or PHI 215 Or PHI 240.
- **3.22.** UGETC: Math AS. MAT 171 Or MAT 172 Or MAT 263 Or MAT 271 Or MAT 272.
- **5.12.** UGETC: Natural Sci AS. AST 151 And AST 151A Or BIO 110 Or BIO 111 And BIO 112 Or CHM 151 And CHM 152 Or GEL 111 Or PHY 110 And PHY 110A Or PHY 151 And PHY 152 Or PHY 251 And PHY 252.
- 5.21. UGETC: Soc/Behav Sci. ECO 251 Or ECO 252 Or HIS 111 Or HIS 112 Or HIS 131 Or HIS 132 Or POL 120 Or PSY 150 Or SOC 210.
- **8.2.** GEN ED: Addl. Choose courses classified as general education under the Comprehensive Articulation Agreement. May include additional UGETC courses.
- 9.1. Chemistry Courses. BICH 411 And CHEM 200 And CHEM 211 And CHEM 212 And CHEM 223 And CHEM 224 And CHEM 225 And CHEM 226 And CHEM 311 And CHEM 311 And CHEM 313 And CHEM 313 And CHEM 313 And CHEM 314 And CHEM 314 And CHEM 390 And CHEM 421 And CHEM 491 And CHEM 499.
- **9.11.** Pre-Major/Elective Major courses that can be taken at the community college.
- 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 ZOOL courses at the 200 level or above..