

Fayetteville State University

Chemistry with a concentration in Chemistry Entrepreneurship, 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 | | 15 | | | |
| | UNIV 101 - Freshman Seminar I | 1 | N | 1.1 | |
| | Core Transitional Life - ENTR 100* | 2 | 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 | | 18 | | | |
| | Core Oral Comm - BADM 215* | 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 - ECON 212* | 3 | N | 5.2 | |
| | BIOL 150 - Principles of Biology | 3 | Y | 9.4 | |
| | BIOL 150L - Principles of Biology Lab | 1 | Y | 9.4 | |
| | MATH 142 - Calculus with AnalyticGeometry | 4 | Y | 9.4 | |
| Year 3 Fall | | 15 | | | |
| | 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 | |
| | PHYS 125 - College Physics I | 3 | Y | 9.4 | |
| | PHYS 125L - College Physics I Lab | 1 | Y | 9.4 | |
| | MKTG 311 - Principles of Marketing | 3 | Y | 10 | |
| Year 4 Fall | | 14 | | | |
| | Core Ethics Civic Engage - BADM 220* | 3 | N | 8 | |
| | CHEM 315 - Physical Chemistry for Life Sciences | 3 | Y | 9.1 | |
| | CHEM 491 - Research II | 2 | Y | 9.1 | |
| | Chemistry Elective | 3 | C | 9.2 | |
| | ENTR 312 - Entrepreneurial Marketing | 3 | Y | 10 | |
| Degree Total: | | 120 | | | |

| Year/Term | Course/Requirement | Cr | Pre | Req | Note/Equivalent |
|----------------------|--|-----------|-----|-----|-----------------|
| Year 1 Spring | | 14 | | | |
| | UNIV 102 - Freshman Seminar II | 1 | N | 1.1 | |
| | 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 - BADM 210* | 3 | N | 7 | |
| | MATH 130 - Precalculus Mathematics II | 3 | Y | 9.4 | |
| Year 2 Spring | | 16 | | | |
| | 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 | |
| | MATH 241 - Calculus with Anal Geometry II | 4 | Y | 9.4 | |
| | ACCT 211 - Principles of Accounting I | 3 | Y | 10 | |
| | ENTR 300 - Entrepr Thinking&Creativity | 3 | N | 10 | |
| 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 | 9.4 | |
| | PHYS 126L - College Physics Lab II | 1 | Y | 9.4 | |
| | ENTR 301 - Entrepreneurship and New Venture Creation | 3 | Y | 10 | |
| Year 4 Spring | | 12 | | | |
| | CHEM 421 - Inorganic Chemistry | 3 | Y | 9.1 | |
| | CHEM 499 - Chemistry Capstone | 3 | Y | 9.1 | |
| | Entrepreneurship Elective | 3 | C | 9.3 | |
| | ENTR 415 - Entrepreneurial Finance | 3 | N | 10 | |

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 GLOB 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 315 And CHEM 390 And CHEM 421 And CHEM 491 And CHEM 499 .
- 9.2. **Chemistry Elective.** BICH 412 Or CHEM 400 Or CHEM 422 Or CHEM 423 Or CHEM 424 Or CHEM 430 Or CHEM 431 Or MATS 301 Or MATS 311 Or MATS 321 Or MATS 360 Or MATS 423 Or MATS 460 .
- 9.3. **Entrepreneurship Elective.** Select one from the following: ENTR 303 Or MGMT 420 Or MGMT 421 Or MGMT 425 Or MGMT 450 Or MKTG 333 Or MKTG 421 .
- 9.4. **Correlative Requirements.** BIOL 150 And BIOL 150L And MATH 130 And MATH 142 And MATH 241 And PHYS 125 And PHYS 125L And PHYS 126 And PHYS 126L .
10. **Concentration.** ACCT 211 And ENTR 300 And ENTR 301 And ENTR 312 And ENTR 415 And MKTG 311 .