

College of Engineering, Forestry, and Natural Sciences
 Secondary Education - Chemistry Bachelor of Science in Education
 2017-2018 Undergraduate Catalog

Progression Plan-Classic

Sample Progression Plans are for planning purposes
 only; see the catalog for official details.

| Year 1 - Fall | |
|---|---|
| CHM 151 General Chemistry I | 4 |
| CHM 151L General Chemistry I Lab | 1 |
| TSM 101 Step 1 | 1 |
| Foundation English | 4 |
| General Elective Course | 4 |
| Initiate the Professional Education Program application. | |

| Year 1 - Spring | |
|------------------------------------|---|
| CHM 152 General Chemistry II | 3 |
| CHM 152L General Chemistry II Lab | 1 |
| MAT 136 Calculus I | 4 |
| BIO 181 Unity Of Life I: Cell Life | 3 |
| BIO 181L Unity Of Life I Lab | 1 |
| TSM 102 Step 2 | 1 |
| Liberal Studies and/or Diversity | 3 |

| Year 2 - Fall | |
|---|---|
| CHM 235 General Organic Chemistry I | 4 |
| CHM 235L Gen Organic Chemistry I Lab | 1 |
| MAT 137 Calculus II | 4 |
| PHY 161 University Physics I | 4 |
| TSM 303 Knowing And Learning In Science | 3 |

| Year 2 - Spring | |
|--|---|
| CHM 238 General Organic Chemistry II | 3 |
| CHM 238L Gen Organic Chemistry II Lab | 1 |
| PHY 262 University Physics II | 3 |
| TSM 350 Classroom Interactions | 3 |
| POS 220 Fed & AZ Constitution | 3 |
| Liberal Studies and/or Diversity | 3 |
| Complete Professional Education Program admission requirements. | |

| Year 3 - Fall | |
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| CHM 341 Physical Chemistry I | 3 |
| CHM 350, CHM 360 or CHM 440 | 3 |
| CHM 300W, ENG 302W or ENG 305W | 3 |
| TSM 360 Perspectives On Science | 3 |
| Liberal Studies and/or Diversity | 3 |

| Year 3 - Spring | |
|--|---|
| CHM 320 Analytical Chemistry | 3 |
| CHM 320L Analytical Chemistry Lab | 1 |
| CHM 350, CHM 360 or CHM 440 | 3 |
| TSM 404 Research Methods | 3 |
| Liberal Studies and/or Diversity | 3 |
| General Elective Course | 3 |
| Attempt AEPA Chemistry Subject Knowledge Test. Submit Student Teaching application. | |

| Year 4 - Fall | |
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| GLG 101 Physical Geology | 3 |
| GLG 103 Physical Geology Lab | 1 |
| BME 437 Sei Methods Secondary School | 3 |
| TSM 450 Project-Based Instruction | 3 |
| General Elective Course | 4 |

| Year 4 - Spring | |
|-------------------------------------|----|
| TSM 495C Apprentice Teaching | 12 |
| TSM 496 Apprentice Teaching Seminar | 1 |