College of the Environment, Forestry, and Natural Sciences

Secondary Education - Chemistry Bachelor of Science in Education

2022-2023 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: Supervised Practicum Through Inquiry Approaches to Teaching	2
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: Life Of The Cell	3
BIO 181L Unity Of Life I Laboratory	1
TSM 201 Step 2: Supervised Practicum Through Inquiry-Based Lesson Design	3

Year 2 - Fall	
CHM 235 General Organic Chemistry I	4
CHM 235L General Organic Chemistry I Lab	1
MAT 137 Calculus II	4
PHY 161 University Physics I	4
Liberal Studies and/or Diversity	3

Year 2 - Spring	
CHM 238 General Organic Chemistry II	3
CHM 238L General Organic Chemistry II Lab	1
PHY 262 University Physics II	3
TSM 303W Knowing And Learning In Science and Science Teaching	3
Liberal Studies and/or Diversity	3
General Studies Course	3
Complete Professional Education Program admission requirements.	

Year 3 - Fall	
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
TSM 350 Classroom Interactions	3

Year 3 - Spring	
CHM 320 Analytical Chemistry	3
CHM 320L Analytical Chemistry Lab	1
CHM 350, CHM 360 or CHM 440	3
ESE 330 Principles and Strategies for Teaching Adolescents with Exceptionalities	3
Liberal Studies and/or Diversity	3
General Elective Course	2
Attempt NES Chemistry Subject Knowledge Test. Submit Student Teaching application.	

Year 4 - Fall	
GLG 101 Physical Geology	3
GLG 103L Physical Geology Lab	1
BME 437 Structured English Immersion Methods For Secondary School	3
TSM 450 Project-Based Instruction	3
Liberal Studies and/or Diversity	3
General Elective Course	2

Year 4 - Spring	
TSM 495C Supervised Student Teaching Experience: Secondary Math Or Science	12
TSM 496 Supervised Student Teaching Experience: Secondary Mathematics Or Science Seminar	1