College of the Environment, Forestry, and Natural Sciences

Secondary Education - Mathematics 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	
MAT 136 Calculus I	4
MAT 123 First Year Seminar	1
TSM 101 Step 1: Supervised Practicum Through Inquiry Approaches to Teaching	2
Liberal Studies and/or Diversity	3
Liberal Studies and/or Diversity	3
General Elective Course	3
Initiate the Professional Education Program application.	

Year 1 - Spring	
MAT 137 Calculus II	4
MAT 226 Discrete Mathematics	3
CS 122 Programming For Engineering And Science	2
CS 122L Programming For Engineering And Science Lab	1
Foundation English	4
General Elective Course	2

Year 2 - Fall	
MAT 285 Functions, Algebra, and Applications	3
STA 275 Statistical Analysis	3
Secondary Education - Mathematics Major Elective	3
TSM 201 Step 2: Supervised Practicum Through Inquiry-Based Lesson Design	3
Liberal Studies and/or Diversity	3

Year 2 - Spring	
MAT 320 Foundations Of Mathematics	3
TSM 301W Knowing And Learning Mathematics	3
POS 220 Federal And Arizona Constitution	3
Secondary Education - Mathematics Major Elective	3
General Elective Course	3
Complete Professional Education Program admission requirements.	

Year 3 - Fall	
MAT 401 Methods Of Teaching Secondary School Mathematics I	3
MAT 318 Elementary Number Theory	3
ESE 330 Principles and Strategies for Teaching Adolescents with Exceptionalities	3
TSM 350 Classroom Interactions	3
General Elective Course	3

Year 3 - Spring	
MAT 402 Methods Of Teaching Secondary School Mathematics II	3
MAT 365 Modern Geometry	3
MAT 442 History And Philosophy Of Mathematics	3
Liberal Studies and/or Diversity	3
General Elective Course	3
Attempt AEPA Mathematics Subject Knowledge Test. Submit Student Teaching application.	

Year 4 - Fall	
MAT 411 or MAT 431	3
TSM 450 Project-Based Instruction	3
BME 437 Structured English Immersion Methods For Secondary School	3
General Elective Course	3
General Elective Course	3

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