Department of Health, Physical and Secondary Education
Master of Arts in Teaching
Secondary Education: Mathematics (9-12)
Program of Study
2020-2021

Name:	Banner #:
Date:	Expected Program Completion Date:

Course Number	Course Title	Credit Hours	Semester Final Grade	Advisor's Signature
INITIAL LICENSURE REQUIREMENTS **SPECIALTY AREA** **MATHEMATICS (9 – 12)**				
*MATH 131	ALGEBRA AND TRIGONOMETRY	3		
MATH 142	CALCULUS w/ ANALYTICAL GEO. I	4		
MATH 150	DISCRETE MATH I	3		
MATH 241	CALCULUS w/ ANALYTICAL GEO. II	4		
MATH 242	CALCULUS w/ ANALYTICAL GEO. III	4		
MATH 251	LINEAR ALGEBRA	3		
MATH 260	FOUNDATIONS OF MATHEMATICS	3		
MATH 262	MODERN GEOMETRY	3		
MATH 312	HISTORY OF MATHEMATICS	3		
MATH 331	DIFFERENTIAL EQUATIONS I	3		
MATH 361	INTRO. TO MODERN ALGEBRA I	3		
Select any two 400-level MATH courses MATH 4___ MATH 4___	_____ _____	3		
MATH 485	TEACHING SECONDARY SCHOOL MATH USING TECHNOLOGY I	3		
STAT 301	INTRO. TO PROBABILITY	3		

Revised: 2/8/2020

CSC 105 Or Higher CSC _____	INTRODUCTION TO COMPUTER SCIENCE FOR TECHNICAL MAJORS **OR** _____	3		

*MATH 129 and MATH 130, with a grade of "C" or better in each, are equivalent to MATH 131.

<mark>**If student passes and submits scores for the North Carolina State Board of Education (NCSBE) required content area examination [PRAXIS II Mathematics: Content Knowledge (5161)] for the requested licensure area of Mathematics (9-12), the specialty area licensure course requirements listed above will be waived.**</mark>

M.A.T. Core Course Requirements (6 Credits)				
EDUC 610	Planning and Implementing Instruction for Diverse Learners	3		
EDUC 630	Advanced Educational Psychology	3		
M.A.T. Initial Licensure Specialty Area Requirements (15 Credits)				
EDUC 615	Techniques of Teaching in the Middle/High School (*Mathematics*)	3		
EDUC 616	Teaching and Technology in the Middle and Secondary Schools	3		
EDUC 644	Foundations and Curriculum Development	3		
READ 552	Teaching Literacy Across Content Areas	3		
SPED 530	Introduction to Exceptional Children	3		
Advanced Clinical Experience (9 credits)				
**EDUC 692	Advanced Professional Seminar	3		
**EDUC 697	Advanced Clinical Experience	6		

** **All** MAT Secondary Education students **must** enroll in EDUC 692 Advanced Professional Seminar (3 sch) and EDUC 697 Advanced Clinical Experience (6 sch) to complete the MAT Secondary Education Program. **All** MAT students, including Residency Licensure teachers, must complete and submit a Clinical Experience (Student Teaching) application to the HPSE department chair's office. The application for Clinical Experience (Student Teaching) must be submitted the semester before the clinical experience (EDUC 692 & EDUC 697) is anticipated.

<mark>**Note: In order to apply for your license in Secondary Mathematics (9 – 12) you must take and successfully pass the PRAXIS II Mathematics: Content Knowledge exam and edTPA (Task 1, 2, & 3).**</mark>

Candidates who are not currently employed as a Residency Licensure teacher must be placed in a public school classroom by the College of Education's Office of Teacher Education.

TOTAL # Of CREDITS		30		

Approval Recommended: _____

_____   _____
(Signature of Student)   (Date)

_____   _____
(Advisor)   (Date)

_____   _____
(Chairperson)   (Date)