

MATH MAJOR AND 7-12 TEACHER EDUCATION 2021-2022

Student Name and ID		Date		
GRADUATION REQUIREMENTS				
Minimum 120 credit hours INCLUDING ALL MAJOR, USM CORE, and EDUCATION REQUIREMENTS				
Minimum of 30 credit hours, including at least 9 credit hours in the major field at the 200-level or above, must be completed at USM and a minimum overall GPA of 3.0.				
USM Core Requirements		Credits	Semester	Grade
Writing, Reading, & Inquiry 1 (WRI1)	ENG 100 College Writing	3		
Writing, Reading, & Inquiry 2 (WRI2)	ENG 102 Academic Writing	3		
Quantitative Reasoning (QR) prerequisite	MAT 108 & MAT 140 or appropriate Math Placement Score	var		
Quantitative Reasoning (QR)	MAT 152 Calculus A	4		
Creative Expression (CE)	ENG 201, THE 170, EDU 230, or any CE course	3		
Cultural Interpretation (CI)	Any CI course	3		
Science Exploration (SE)	Any SE lecture and lab combination	4		
Socio-Cultural Analysis (SCA)	Any SCA course	3		
Ethical Inquiry and Social Responsibility (EISRC)	EDU 310, SED 300, or any EISRC course	3		
Diversity (DIV)	EDU 305 Foundations of Cult/Ling Diversity	3		
International (INT)	EDU 310 or any INT course	3		
Engaged Learning (EL)	EDU 100, EDU 222, EDU 305, SED 235	3		
Writing, Reading, & Inquiry 3 (WRI3)	Any WRI3 course	3		
Senior Seminar / Capstone	EDU 442 Seminar in Teaching	3		
Math Major Requirements		Credits	Semester	Grade
Major Requirements: 49 credit hours total. All courses in the major must be passed with at least a C. You must maintain an overall GPA of 3.0.				
Foundations Sequence (34 cr.):	MAT 152 Calculus A (prereq: MAT 140)	4		
	MAT 153 Calculus B (prereq: MAT 152)	4		
	MAT 252 Calculus C (prereq: MAT 153)	4		
	MAT 281 Intro to Probability (prereq: MAT 153)	3		
	MAT 282 Statistical Inference (prereq: MAT 281)	3		
	MAT 290 Foundations of Math (prereq: MAT 153)	4		
	MAT 295 Linear Algebra (prereq: MAT 153)	4		
	MAT 350 Differential Equations (prereq: MAT 252)	4		
	COS 160/170 Structured Problem Solving: Java & Lab	4		
Pure Mathematics Concentration (12 cr.):	MAT 352 Real Analysis (prereq: MAT 252 & 290)	3		
	MAT 371 College Geometry (prereq: MAT 290)	3		
	MAT 395 Abstract Algebra (prereq: MAT 290)	3		
	Math Modeling Course	3		
Upper Level Elective - Please work with your Faculty Advisor to choose a course to complete requirement - Must be 300 level or above except MAT 380	1.	2-4		
Teacher Certification Requirements		Credits	Semester	Grade
Teacher Certification Requirements: All pre-internship courses need to be passed with a B- or better. Your overall GPA needs to be a 3.0 or higher.				
Recommended Courses (3 cr.) - *Require service learning or practicum hours.	SED 300 Ethics and Youth with Exceptionalities*	3		
	EDU 310 Purpose of Schooling in a Democracy*	3		
Pre-Internship Course Requirements (18 cr.)- Must be taken and passed prior to beginning internship/ student teaching. *Require service learning or practicum hours.	EDU 100 Exploring Teaching*	3		
	EDU 225 Child and Adolescent Development	3		
	EDU 222 Foundations of Lang/Lit Development.*	3		
	EDU 305 Foundations of Cult/Ling Diversity*	3		
	SED 335 Students with Exceptionalities*	3		
	EDU 442 Seminar in Teaching*	3		
Internship/Student Teaching Requirements		Credits	Semester	Grade
All internship courses need to be passed with a B- or better. Your overall GPA needs to be a 3.0 or higher.				
Internship Year/Student Teaching Course Requirements (21 cr.)	EDU 445 Student Teaching (6 cr. total over two semesters)	6		
	EDU 414 Improving Teaching in Content Areas	3		
	EDU 554 Secondary Mathematics Methods	3		
	EDU 410 Creating Positive Learning Environments	3		
	EDU 546 Testing and Assessment I	3		
	EDU 547 Testing and Assessment II	3		
Other Teacher Certification Requirements			Completion Date	
Declare Teacher Certification Concentration in MaineStreet	If you have questions please contact your advisor	<input type="checkbox"/>		
Criminal History Record Check (CHRC)	Complete prior to starting EDU courses requiring service learning/practicum hours	<input type="checkbox"/>		
THIS IS ONLY A GUIDE. FOR DETAILED INFORMATION PLEASE REFER TO YOUR ACADEMIC CATALOG				
Questions? Please contact Christen Eaton, christen.eaton@maine.edu or 207-228-8315 or your Faculty Advisor				
revised 6.30.21				

