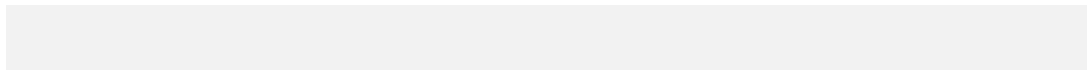


				Credits   Grade		
<i>Requirements:</i>	Course	Credits	Grade	MATH 140 Calculus I	4	
Academic Writing (AW)	ENGL 101	3		MATH 141 Calculus II	4	
Professional Writing (PW)		3		MATH 240 Linear Algebra (or MATH 340 Honors Sequence)	4	
Oral Comm. (OC)		3		MATH 241 Calculus III (or MATH 341 Honors Sequence)	4	
Math (MA)	MATH 140	4				
Analytic Reasoning (AR)	MATH 140	-		MATH 310 Introduction to Analysis	3	
Distributive Studies				MATH 410 Advanced Calculus I	3	
<i>Requirements: 25 credits</i>	Course	Credits	Grade	MATH 402 or 403 Algebraic Structure/Abstract Algebra	3	
Natural Science Lab (NL)						
Scholarship in Practice (SP)	TLPL 101 & TLPL 102	3		STAT 400 or 410 Applied Probability and Stats/Probability Theory	3	
Scholarship in Practice (SP)		3				
				CMSC 106, 131, 132, PHYS 165, ENEE 150 or other courses as approved	3-4	
<i>Requirements: 6 credits</i>	Course	Credits	Grade	CHEM 131/132 & CHEM 231/232*	4, 4	
Big Questions		3		BSCI 170/171 & BSCI 160/161*	4, 4	
Big Questions		3		PHYS 161 & PHYS 260/261*	4, 4	
				ASTR 120 & ASTR 121*	3, 4	
<i>Requirements: 6 credits</i>	Course	Credits	Grade	GEOL 100/110 & one of: GEOL 322, 340, 341 or 375*	4, 3-4	
Understanding Plural Soc. (UP)		3		AOSC 200/201 & any 400-level AOSC Course	4, 3-4	
Understanding Plural Soc. (UP) or Cultural Competency (CC)				Or other sequences as approved		
				AW with C- or higher		
				MA with C- or higher		
<i>Requirements: ___credits</i>	Course	Credits	Grade	TLPL 401 with B- or higher	3	
			n/a	9 credits of content course work with C- or higher		
			n/a	<b><del>Pre-Professional Education Requirements</del></b>		
<b>Requirements for Graduation:</b>				TLPL101 Inquiry Approach to Teaching STEM (Step 1)	1	
<input type="checkbox"/>	At least 30 credits must be earned at UMD			TLPL102 Inquiry Teaching of STEM in Middle School	2	
<input type="checkbox"/>	15 of the final 30 credits must be earned at the 300-400 level			EDHD 426 Cognitive and Motivational Literacy Content	3	
<input type="checkbox"/>				MATH 274 History of Mathematics (Fall Only)	3	
				MATH 470 Mathematics for Secondary Education	3	
				TLPL 414 Knowing and Learning in Mathematics and Science	3	
				TLPL 401 Student-Centered Curriculum and Instruction	3	
				TLPL 415 Perspectives in Science	3	
				<b><del>Total Education Requirements</del></b>		
				TLPL 403 Teaching and Learning High School Mathematics (Fall Only)	3	
				TLPL 479D Field Experiences in Education; Secondary Mathematics Education (Fall only)	1	
				TLPL 478D Professional Seminar in Ed; Professional Seminar in Education: Mathematics (Spring Only)	1	
				TLPL 489D Internship in Education: Mathematics (Spring Only)	12	
				TLPL 477 Special Topics in Education; Teaching Academically, Culturally and Linguistically Diverse Students in Secondary Education (Spring Only)	2	

Year 1		Fall	Cr.	Spring	Cr.
Benchmark Requirements	ENGL 101 (AW)		3	MATH 141	4
AW with C- or higher	MATH 140 (MA/AR)		4	Science Sequence II (NL)	3-4
MA with C- or higher	Science Sequence I (NL)		4	ORAL COMMUNICATION (OC)	3
	HUMANITIES (HU)*		3	HISTORY/ SOCIAL SCIENCE (HS)*	3
	TLPL 101		1	TLPL 102 (SP, with TLPL 101)	2
	UNIV 100		1		
			<i>Total</i>		<i>Total</i>
			16		15-16
Year 2		Fall	Cr.	Spring	Cr.
	MATH 240		4	MATH 310	3
	MATH 241		3	MATH 470 Math for Sec Ed	3
	Programming Requirement		3-4	SCHOLARSHIP IN PRACTICE (SP)	3
	TLPL 414 Knowing and Learning Math and Sci (HS)		3	HUMANITIES (HU)	3
<i>Test of Basic Skills</i>	MATH 274 History of Mathematics		3	Elective*	3
			<i>Total</i>		<i>Total</i>
			16-17		15
Year 3		Fall	Cr.	Spring	Cr.
<i>Apply to the COE by Dec. 1st</i>	MATH 410		3	MATH 406	3
Gateway Requirement:	STAT 400 or 410		3	MATH 430	3
TLPL 401 with B- or higher	PROFESSIONAL WRITING (PW)		3	EDHD 426	3
	TLPL 401 Student Centered. Curr. & Instruction (CC)		3	TLPL 415 Perspectives in Science	3
	Elective*		3	Elective*	3
Cumulative GPA of 2.75			<i>Total</i>		<i>Total</i>
			15		15
Year 4		Fall	Cr.	Spring	Cr.
	MATH xxx		3	TLPL 478D	1
	MATH 402		3	TLPL 489D	12
	TLPL 403 Teaching and Learning HS Math		3	TLPL 477	2
	TLPL 479D Field Experience		1		
	Elective*		3		
			<i>Total</i>		<i>Total</i>
			13		15



Satisfactory Evaluation on FC/MCEE  
TLPL 415 with a C- or better  
Double Major with Mathematics on file

105-credit review:

Minimum GPA of 2.75  
Satisfactory Evaluation on FC/MCEE and PBA  
Passing Scores on the Praxis II - see Advisor for Details.  
Students must successfully complete the edTPA  
TLPL 403 with a C- or better  
TLPL 479D with a Satisfactory grade, "S"  
Double Major with Mathematics on file