

# Middle School Math and Science

<b>Name:</b>			
<b>General Education Requirements</b>			
<b>Fundamental Studies</b>			
<i>Requirements: __credits</i>	Course	Credits	Grade
Academic Writing (AW)	ENGL 101		
Professional Writing (PW)			
Oral Comm. (OC)			
Math (MA)			
Analytic Reasoning (AR)			
<b>Distributive Studies</b>			
<i>Requirements: __credits</i>	Course	Credits	Grade
Natural Sciencde Lab (NL)	PHYS 115		
Natural Sciences (NL)	GEOL 100/110		
History/Social Sciences (HS)	TLPL 360		
History/Social Sciences (HS)	EDHD 413		
Humanities (HU)			
Humanities (HU)			
Scholarship in Practice (SP)	TLPL 252		
Scholarship in Practice (SP; non major)			
<b>I-Series</b>			
<b>Normally double counted with Distributive Studies</b>			
<i>Requirements: __credits</i>	Course	Credits	Grade
I-Series (IS)	AOSC 200		
I-Series (IS)			
<b>Diversity</b>			
<b>(overlap permitted with Distributive Studies and/or I-series)</b>			
<i>Requirements: __credits</i>	Course	Credits	Grade
Understanding Plural Soc. (UP)			
Understanding Plural Soc. (UP) or Cultural Competency (CC)			
<b>Experiential Learning - optional</b>			
<b>(overlap permitted with other requirements/courses)</b>			
<i>Requirements: __credits</i>	Course	Credits	Grade
			N/A
			N/A

Students must earn a minimum of 120 credits to complete a degree.

<b>Requirements for Graduation:</b>	
<input type="checkbox"/>	At least 30 credits must be earned at UMD
<input type="checkbox"/>	15 of the final 30 credits must be earned at the 300-400 level
<input type="checkbox"/>	12 upper level major credits must be earned at UMD
*Satisfies Gen Ed and Major requirement	

<b>UID:</b>		
<b>Major Requirements (Grade of "C-" or higher is required)</b>		
<b>Benchmark 1 Requirements (by 30 credits)</b>		
AW with C- or higher	3	
MA with C- or higher	3 or 4	
<b>Benchmark 2 Requirements (by 60 credits)</b>		
TLPL 251 with B- or higher	3	
<b>Gateway Courses to be completed with 2.7 or higher:</b>		
Biological Lab Science (NL)*	4	
Physical Lab Science (NL)*	4	
MATH 212	3	
MATH 213	3	
<b>Major Requirements</b>		
MATH 212	3	
MATH 213	3	
MATH 214	3	
MATH 312	3	
MATH 314	3	
MATH 315	3	
PHYS 115*	4	
GEOL 100/110*	4	
BSCI 103, 160/161, 170/171*	4	
CHEM 131/132*	4	
AOSC 200/201*	4	
Science Elective - (Recommended: TLPL 415)	3 or 4	
TLPL 251 (B- or higher)	3	
TLPL 252* (Spring only)	3	
<b>Pre-Professional Requirements</b>		
TLPL 250 or 360*	3	
EDHD 413*	3	
EDHD 436	3	
TLPL 462	3	
<b>Professional Courses</b>		
TLPL 413	3	
TLPL 420	3	
TLPL 423	2	
TLPL 475	2	
TLPL 479E	1	
TLPL 488B	2	
<b>Yearlong Internship Spring Only</b>		
TLPL 489E	12	
TLPL 424	2	
TLPL 476	2	

## Middle School Math and Science Four Year Academic Plan

Year 1	Fall	Cr.	Spring	Cr.
<b>Benchmark Requirements</b> Fundamental AW with C- or higher Fundamental MA with C- or higher	ENGL 101 (AW)	3	MATH 212	3
	Mathematics (MA)	3	Science Sequence II (GEOL 100/110)	3
	Science Sequence I (PHYS 115) (NL)	4	Humanities (HU)	4
	HUMANITIES (HU)	3	Social Science (HS)	3
	UNIV 100	1	TLPL 251	3
	<i>Total</i>	<b>14</b>		<i>Total</i>
Year 2	Fall	Cr.	Spring	Cr.
<b>Gateway Requirements</b> Gateways must be completed by 60 credits Gateways courses to be completed with 2.7 MATH 212 MATH 213 Biological Lab Science (NL) Physical Lab Science (NL) TLPL 251 with B- or higher	MATH 213	3	MATH 214	3
	Science Sequence III (BSCI)	3	Science Sequence IV (CHEM)	3
	I-Series	3	Scholarship in Practice (SP)	3
	Oral Communication (OC)	3	Analytic Reasoning (AR)	3
	TLPL 250 or 360	3	TLPL 252 (spring only)	3
	<i>Total</i>	<b>16</b>		<i>Total</i>
<b>Test of Basic Skills</b>				
Year 3	Fall	Cr.	Spring	Cr.
Cumulative GPA of 2.75	Understanding Plural Societies (UP)	3	MATH 312	3
	Science Sequence V (AOSC - I-Series)	3	Science Sequence VI (Elective)	3
	Professional Writing (PW)	3	EDHD 436	3
	TLPL 462	3	EDHD 413	3
	TLPL 413	3	Understanding Plural Societies (UP)	3
<b>Apply to the COE by December 1st.</b>	<i>Total</i>	<b>15</b>	<i>Total</i>	<b>15</b>
Year 4	Fall	Cr.	Spring	Cr.
<b>YEARLONG INTERNSHIP</b>				
	MATH 315	3	TLPL 489E	12
	MATH 314	3	TLPL 424	2
	TLPL 420	3	TLPL 476	2
	TLPL 423	2	<i>Total</i>	<b>16</b>
	TLPL 475	2		
	TLPL 479E	1		
	TLPL 488B	2		
	<i>Total</i>	<b>16</b>		
<b>Total Degree Credits:</b>				<b>123</b>

This is a proposed plan and the College of Education does not guarantee that these courses will be offered in the designated semester. Consult the *Schedule of Classes* for class availability and meeting times.

\* All students must complete two Distribute Studies courses that are approved for I-series courses. Students must complete Understanding Plural Society and Cultural Competence courses that may also fulfill a Distributive Studies category.