

Cleveland State University  
College of Sciences and Health Professions  
Bachelor of Arts in Mathematics

**First Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
ASC 101 Introduction to University Life	1		INTRO	ENG 102 English II	3		W/C
ENG 101 English I	3		W/C	MTH 182 Calculus II	4	X	M/QL
MTH 181 Calculus I	4	X	M/QL	Science Elective	3 to 5	X	NS
Social Science Elective	3 to 4		SS	Arts & Humanities Elective	3 to 4		A&H
Science Elective	3 to 5	X					
<b>Semester Total</b>	<b>14 to 17</b>			<b>Semester Total</b>	<b>13 to 16</b>		

**Second Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
MTH 200 Level Course	4	X		MTH 200 Level Course	4	X	
MTH 200 Level Course	4	X		MTH 300 Level Course	4	X	
Science Elective	3 to 4	X		US Diversity Elective	3 to 4		DIV
Social Science Elective (outside the US/ALAAME)	3 to 4		SS	General Elective*	3 to 4		
<b>Semester Total</b>	<b>14 to 16</b>			<b>Semester Total</b>	<b>14 to 16</b>		

**Third Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
MTH 300 Level Course	4	X		MTH 396 Junior Seminar	2	X	
MTH 300 Level Course	4	X		MTH 358 Abstract Algebra	4	X	WAC
Arts & Humanities Elective (outside the US/ALAAME)	3 to 4		A&H	African American Experience Elective	3 to 4		DIV
General Elective*	3 to 4			General Elective*	3 to 4		
				General Elective*	3 to 4		
<b>Semester Total</b>	<b>14 to 16</b>			<b>Semester Total</b>	<b>15 to 18</b>		

**Fourth Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
MTH 400 Level Course	4	X		MTH 400 Level Course	4	X	
Writing Across the Curriculum Elective	3 to 4		WAC	MTH 496 Senior Project	4	X	WAC; CAP
Upper Division Elective*	3 to 4			Upper Division Elective*	3 to 4		
Upper Division Elective*	3 to 4			Upper Division Elective*	3 to 4		
<b>Apply for Spring graduation prior to Sep 9th</b>							
<b>Semester Total</b>	<b>13 to 16</b>			<b>Semester Total</b>	<b>14 to 16</b>		
<b>Degree Total: 111-131 (128 hours minimum)</b>							

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency

**College/ Program Notes:**

The plan above is a suggested guide to ensure that all General Education, College, University, and Major requirements are met within 4 years of study. Students may deviate from the suggested placement of Gen Ed courses, although the M/QL and W/C requirements should be completed during the first year of study.

\*Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a **minimum of 128 total credit hours**, of which a **minimum of 42 credit hours** must be upper division (300 or 400-level courses). Depending upon other elective choices made (3 credit hour vs. 4 credit hour courses), students may not need as many general electives as indicated above, or may need additional electives.

**University Notes:**

<b>Gen Ed Key:</b>	SS = Social Sciences (two courses, one of which must be focused outside the US**)
INTRO = Introduction to University Life (one course)	A&H = Arts & Humanities (two courses, one must be focused outside the US**)
W/C = Writing/Composition (two courses; C or better required)	DIV = Social Diversity (two courses; one US Diversity and one African American Experience)
M/QL = Mathematics/Quantitative Literacy (two courses)	WAC/SPAC = Writing/Speaking Across the Curriculum (three courses, one in the major; C or better required)
NS = Natural Sciences (two courses, one of which must have a lab)	CAP = Capstone
	** of the SS and A&H courses focused outside the US, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)

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Cleveland State University  
College of Sciences and Health Professions  
Bachelor of Arts in Mathematics  
(CSUTeach - Integrated Mathematics Licensure, Grades 7-12 - Minor in Education)

**First Year**

Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
ASC 101 Introduction to University Life	1		INTRO	ENG 102 English II	3		W/C
ENG 101 English I	3		W/C	MTH 182 Calculus II	4	X	M/QL
MTH 181 Calculus I	4	X	M/QL	Natural Science Elective (with Lab)	4	X	NS
EUT 201 Inquiry Approaches to Teaching	1	X		EUT 215 Inquiry in Mathematics	1	X	
Natural Science Elective	4	X	NS	PSY 221 Adolescent Psychology	3	X	SS
General Elective*	3 to 4			HPR 101 Wellness	1		
<b>Semester Total</b>	<b>16 to 17</b>			<b>Semester Total</b>	<b>16</b>		

**Second Year**

Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
MTH 281 Multivariable Calculus	4	X		MTH 201 Functions	3	X	
MTH 220 Discrete	4	X		MTH 286 Differential Equations	4	X	
General Elective*	3 to 4			MTH 288 Linear Algebra	4	X	
African American Experience Elective	3 to 4		DIV	General Elective*	3 to 4		
<b>Semester Total</b>	<b>14 to 16</b>			<b>Semester Total</b>	<b>14 to 15</b>		

**Third Year**

Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
EUT 302 Knowing & Learning	3	X		MTH 396 Junior Seminar	2	X	
EDC 300 Diversity in Educational Settings	3		DIV	MTH 358 Abstract Algebra	4	X	WAC
EDL 305 Content Area Literacy	3	X		MTH 323 Statistics	4	X	
MTH 301 Number Theory	4	X		EUT 305 Classroom Interactions	3	X	
MTH 333 Geometry	4	X		Arts & Humanities Elective (outside the US/ALAAME)	3 to 4		A&H
<b>Semester Total</b>	<b>17</b>			<b>Semester Total</b>	<b>16 to 17</b>		

**Fourth Year**

Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
MTH 496 Senior Project	4	X	WAC; CAP	EUT 210 Perspectives in Math & Science	3	X	A&H
MTH 401 Modeling	4	X		EST 499 STEM Student Teaching	6	X	
General Elective*	3 to 4			Social Science Elective (outside the US/ALAAME)	3 to 4		SS
EUT 315 Project-Based Instruction in Mathematics	3	X		General Elective*	3 to 4		
PHY 301 Research	3	X	WAC				
<b>Apply for Spring graduation prior to Sep 9th</b>							
<b>Semester Total</b>	<b>17 to 18</b>			<b>Semester Total</b>	<b>15 to 17</b>		
<b>Degree Total: 125-133 (128 hours minimum)</b>							

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency

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