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

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	3		NS
Social Science Elective**	3		SS	Arts & Humanities Elective**	3		A&H
Natural Science Elective w/Lab	4		NS	General Elective*	3		
Semester Total	*15*			*Semester Total*	*16*		

Second Year							
Fall Semester	**Credits**	**Major**	**Gen Ed**	**Spring Semester**	**Credits**	**Major**	**Gen Ed**
MTH 281 Multivariable Calculus	4	X		MTH 220 Intro to Discrete Mathematics	3	X	
MTH 288 Linear Algebra	3	X		MTH 286 Intro to Differential Equations	3	X	
General Elective*	3			US Diversity Elective	3		DIV
Social Science Elective**	3		SS	General Elective*	3		
General Elective*	2			General Elective*	3		
Semester Total	*15*			*Semester Total*	*15*		

Third Year							
Fall Semester	**Credits**	**Major**	**Gen Ed**	**Spring Semester**	**Credits**	**Major**	**Gen Ed**
MTH 300-Level Course^	3	X		MTH 396 Junior Seminar	2	X	
MTH 300-Level Course^	3	X		MTH 358 Abstract Algebra (Recommended as 300-level elective)	3	X	WAC
General Elective*	3			MTH 300-Level Course^	3	X	
Arts & Humanities Elective**	3		A&H	African American Experience Elective	3		DIV
Upper-Division General Elective*	3			Upper-Division General Elective*	3		
Semester Total	*15*			*Semester Total*	*14*		

Fourth Year							
Fall Semester	**Credits**	**Major**	**Gen Ed**	**Spring Semester**	**Credits**	**Major**	**Gen Ed**
MTH 400-Level Course^	3	X		MTH 400-Level Course^	3	X	
MTH 400-Level Course^	3	X		MTH 496 Senior Project	3	X	WAC; CAP
Writing Across the Curriculum Elective	3		WAC	Upper-Division General Elective*	3		
Upper-Divison General Elective*	3			General Elective*	3		
Upper-Divison General Elective*	3			Upper-Division General Elective*	3		
Apply for Spring graduation by the middle of this term							
Semester Total	*15*			*Semester Total*	*15*		
Degree Total (as listed in above sample): 120 ***(120 hours minimum required to earn degree)***							

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 120 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, students may not need as many electives as indicated above, or may need additional electives.

^ STA 323 and 424/425 can be used to statisfy the MTH 300 or 400 level electives requirement
^300/400 Math offerings are on annual rotations and consultation with an advisor is highly recommended to plan them accordingly,

University Notes:

Gen Ed Key:	
INTRO = Introduction to University Life (one course)	SS = Social Sciences (two courses from different departments**)
W/C = Writing/Composition (two courses; C or better required)	A&H = Arts & Humanities (two courses from different departments**)
M/QL = Mathematics/Quantitative Literacy (two courses)	DIV = Social Diversity (two courses; one US Diversity and one African American Experience)
NS = Natural Sciences (two courses, one of which must have a lab)	WAC/SPAC = Writing/Speaking Across the Curriculum (three courses, one in the major; C or better required)
	CAP = Capstone

** of the four total SS and A&H courses, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)

Last Updated April 2022

Cleveland State University
College of Sciences and Health Professions
Bachelor of Arts in Mathematics
CS*Uteach* (license in Education)

First Year

Fall Semester	Credits	Major	License	Gen Ed	Spring Semester	Credits	Major	License	Gen Ed
ASC 101: Intro to University Life	1			Intro	General Elective	3			
ENG 101: College Writing I	3			W/C	ENG 102: College Writing II	3			W/C
Science Elective + Lab	4	x		NS	Science Elective	3			NS
PSY 221: Adolescent Psychology	3		x	SS	Social Science Elective (**ALAAME)	3			SS
MTH 181: Calculus I	4	x	x	M/QL	MTH 182: Calculus II	4	x	x	M/QL
Semester Total	*15*				*Semester Total*	*16*			

Second Year

Fall Semester	Credits	Major	License	Gen Ed	Spring Semester	Credits	Major	License	Gen Ed
EUT 201: Step 1: Inquiry Approaches to Teaching	1		x		EDB 242: Introduction to Education	3		x	DIV
MTH 281: Multivariable Calculus	4	x	x		MTH 220: Discrete Mathematics	3	x	x	
MTH 288: Linear Algebra	3	x	x		MTH 286: Differential Equations	3	x		
Arts & Humanities Elective (**ALAAME)	3			A&H	General Elective	3			
African American Experience Elective	3			DIV	EDC 200: Div in Edu Settings	3		x	DIV
General Elective	3								
Semester Total	17				*Semester Total*	15			

Third Year

Fall Semester	Credits	Major	License	Gen Ed	Spring Semester	Credits	Major	License	Gen Ed
EDB 302: Psychological Foundations of Education	3		x	WAC	EUT 305: Classroom Interactions	3		x	
MTH 301: Introduction to Number Theory	3	x	x		MTH 358: Abstract Algebra	3	x	x	WAC
MTH 333: Geometry	3	x	x		MTH 4xx Elective	3	x	x	
EDL 305: Content Area Literacy	3		x		MTH 201: Functions & Modeling	3		x	
STA 323: Statistical Methods	3	x	x		MTH 396: Junior Seminar	2	x	x	
Semester Total	*15*				*Semester Total*	*14*			

Fourth Year

Fall Semester	Credits	Major	License	Gen Ed	Spring Semester	Credits	Major	License	Gen Ed
EUT 415: Project Based Instruction in Mathematics	3		x		EST 499: CS*Uteach* STEM Apprentice Teaching II	6		x	
EST 399: CS*Uteach* STEM Apprentice Teaching I	1		x		EUT 210: Perspectives on Science & Math	3		x	A&H/WAC
EUT 311: Research Methods	3		x	WAC	MTH 496: Senior Project	3	x	x	WAC/CAP
STA 424: Probability Theory & Application	3	x	x						
ESE 400: Introduction to Special Education	3		x	WAC					
MTH 4xx Elective	3	x							
Apply for Spring graduation prior to Sep 9th									
Semester Total	*16*				*Semester Total*	*12*			
Degree Total: 120									

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

College/ Program Notes:

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*Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a **minimum of 120 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:

Gen Ed Key:	
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** of the SS and A&H courses, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)