

Cleveland State University
College of Arts and Sciences
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-Division General Elective*	3			General Elective*	3		
Upper-Division 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 satisfy 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)
W/C = Writing/Composition (two courses; C or better required)
M/QL = Mathematics/Quantitative Literacy (two courses)
NS = Natural Sciences (two courses, one of which must have a lab)

SS = Social Sciences (two courses from different departments)**
A&H = Arts & Humanities (two courses from different departments)**
DIV = Social Diversity (two courses; one US Diversity and one African American Experience)
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)

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Cleveland State University
College of Arts and Sciences
 Bachelor of Arts in Mathematics
CSUteach (license in Education)

<i>First Year</i>										
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	
<i>Semester Total</i>	15				<i>Semester Total</i>	16				

<i>Second Year</i>										
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									
<i>Semester Total</i>	17				<i>Semester Total</i>	15				

<i>Third Year</i>										
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			
EDL 305: Content Area Literacy	3		x		MTH 201: Functions & Modeling	3		x		
STA 323: Statistical Methods	3	x	x		ESE 400: Introduction to Special Education	3		x	WAC	
<i>Semester Total</i>	15				<i>Semester Total</i>	15				

<i>Fourth Year</i>										
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: <i>CSUteach</i> STEM Apprentice Teaching II	6		x		
EST 399: <i>CSUteach</i> STEM Apprentice Teaching I	1		x		EUT 210: Perspectives on Science & Math	3		x	A&H/WAC	
SCI 311: Research Methods	3		x	WAC	MTH 496: Senior Project	3	x	x	WAC/CAP	
STA 424: Probability Theory & Application	3	x	x							
MTH 396: Junior Seminar	2	x	x							
MTH 4xx Elective	3	x								
Apply for Spring graduation by the middle of this term										
<i>Semester Total</i>	15				<i>Semester Total</i>	12				

Degree Total: 120

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University Notes:

Gen Ed Key:	SS = Social Sciences (two courses from different departments)
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