

Cleveland State University
College of Sciences and Health Professions
Bachelor of Arts in Mathematics
- NEW FALL 2014 -

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

Second Year

Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
MTH 281 Multivariable Calculus	4	X		MTH 286 Differential Equations	3	X	
MTH 220 Discrete Mathematics	3	X		MTH 288 Linear Algebra	3	X	
General Elective*	3			US Diversity Elective	3		DIV
Social Science Elective (outside the US/ALAAME)	3		SS	General Elective*	3		
General Elective*	3			General Elective*	3		
<i>Semester Total</i>	16			<i>Semester Total</i>	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 (outside the US/ALAAME)	3		A&H	African American Experience Elective	3		DIV
Upper-Division General Elective*	3			Upper-Division General Elective*	3		
<i>Semester Total</i>	15			<i>Semester Total</i>	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 prior to Sep 9th							
<i>Semester Total</i>	15			<i>Semester Total</i>	15		
<i>Degree Total (as listed in above sample): 121 (120 hours minimum required to earn degree)</i>							

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.

University Notes:

Gen Ed Key:	SS = Social Sciences (two courses, one of which must be focused outside the US**) A&H = Arts & Humanities (two courses, one must be focused outside the US**) 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 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 (minor in Education)

First Year									
Fall Semester	Credits	Major	Minor	Gen Ed	Spring Semester	Credits	Major	Minor	Gen Ed
ASC 101: Intro to University Life	1			Intro	EUT 201: Step 1: Inquiry Approaches to Teaching	1		x	
ENG 101: College Writing I	3			W/C	ENG 102: College Writing II	3			W/C
Science Elective	4	x		NS	Science Elective	3			NS
PSY 221: Adolescent Psychology	3		x	SS	Social Science Elective (outside US**)	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>	14			

Second Year									
Fall Semester	Credits	Major	Minor	Gen Ed	Spring Semester	Credits	Major	Minor	Gen Ed
EUT 215: Step 2: Inquiry-Based Lesson Design in Mathematics	1		x		EDC 300: Div in Edu Settings	3		x	DIV
MTH 220: Discrete Mathematics	3	x	x		MTH 281: Multivariable Calculus	4	x	x	
MTH 286: Differential Equations	3	x			MTH 288: Linear Algebra	3	x	x	
Arts & Humanities Elective (outside US**)	3			A&H	General Elective	3			
General Elective	3				General Elective	3			
General Elective	3								
<i>Semester Total</i>	16				<i>Semester Total</i>	16			

Third Year									
Fall Semester	Credits	Major	Minor	Gen Ed	Spring Semester	Credits	Major	Minor	Gen Ed
EUT 302: Knowing & Learning	3		x		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	
MTH 323: Statistical Methods	3	x	x		African American Experience Elective	3			DIV
<i>Semester Total</i>	15				<i>Semester Total</i>	15			

Fourth Year									
Fall Semester	Credits	Major	Minor	Gen Ed	Spring Semester	Credits	Major	Minor	Gen Ed
EUT 315: Project Based Instruction in Mathe	3		x		EST 499: CSUteach STEM Apprentice Teaching	6		x	
EST 399: CSUteach STEM Apprentice Teaching	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		WAC/CAP
MTH 424: Probability Theory & Application	3	x	x		General Elective	3			
MTH 396: Junior Seminar	2	x							
MTH 4xx Elective	3	x							
Apply for Spring graduation prior to Sep 9th									
<i>Semester Total</i>	15				<i>Semester Total</i>	15			

Degree Total: 121

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

College/ Program Notes:

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University Notes:

Gen Ed Key:	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 Exp)
M/QL = Mathematics/Quantitative Literacy (two courses)	WAC/SPAC = Writing/Speaking Across the Curriculum (three courses, one in the ma
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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