

Cleveland State University
College of Sciences and Health Professions
Bachelor of Science 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	PHY 241 University Physics I (or PHY 243)	5	X	NS
Social Science Elective**	3		SS	Arts & Humanities Elective**	3		A&H
Science Elective^	3	X		General Elective*	2		
Semester Total				Semester Total			
14				17			

Second Year

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		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	
PHY 242 University Physics II (or PHY 244)	5	X	NS	US Diversity Elective	3		DIV
Social Science Elective**	3		SS	Science Elective^	3	X	
				General Elective*	3		
Semester Total				Semester Total			
15				15			

Third Year

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		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
Science Elective^	3	X		MTH 300-Level Course^^	3	X	
Arts & Humanities Elective**	3		A&H	African American Experience Elective	3		DIV
Upper-Division General Elective*	3			Science Elective^	3	X	
Semester Total				Semester Total			
15				14			

Fourth Year

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		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			Upper-Division General Elective*	3		
Upper-Division General Elective*	3			General Elective*	3		
Semester Total				Semester Total			
15				15			
Apply for Spring graduation by the middle of this term							
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.

^Science Electives should be chosen from one or any combination of the following fields (courses numbered 200-level or higher): BIO, GEO, EVS, CHM, PHY, and CIS **OR** from STA 347,421,431,435,436,467. Please refer to the Undergraduate Catalog for more details.

^^STA 323 and 424/425 can be used to satisfy the MTH 300 or 400 level electives requirement

University Notes:

Gen Ed Key:	SS = Social Sciences (two courses from different departments**)
INTRO = Introduction to University Life (one course)	A&H = Arts & Humanities (two courses from different departments**)
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 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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