East Central University
College of Health and Sciences
2024-2025 Mathematics - General Degree Plan

FIRST YEAR

Fall Semester	Spring Semester
UNIV 1001 Tiger Connect (Information Literacy)	ENG 1213 Freshman Composition II (Information Lit
ENG 1113 Freshman Composition I (Communication)	MATH 2825 Calculus and Analytic Geometry I
GEN ED Civic Consciousness (3 hours)	GEN ED Civic Consciousness (3 hours)
MATH 1513 College Algebra (Critical Thinking)	Nature and Science (Lab Science) (4 hours)
MATH 1713 Trigonometry	
Cultural and Aesthetic Awareness (Intercultural Knowledge and Comptence) (3 hours)	
16 TOTAL HOURS	**15 TOTAL HOURS**

SECOND YEAR

Fall Semester	Spring Semester
MATH 3025 Calculus and Analytic Geometry II	MATH 3033 Calculus and Analytic Geometry III
MATH 1223 Intro to Probability and Statistics (Critical	MATH 3093 Intro to Theorem Proving
Cultural and Aesthetic Awareness (Global Citizenship	Nature and Science (3-4 hours)
CMPSC 1113 Computer Programming I	GEN ED Elective (3 hours)
	Electives (3 hours)
14 TOTAL HOURS	**15-16 TOTAL HOURS**

THIRD YEAR

Fall Semester	Spring Semester
MATH 4113 Differential Equations	MATH 4133 Intermediate Analysis OR
MATH 3813 Modern Algebra OR	MATH 3713 Linear Algebra
Upper Division Elective* (3 hours)	Upper Division Elective* (3 hours)
GEN ED Elective (1-2 hours)	Electives (9 hours)
Electives (6-8 hours)	
14-15 TOTAL HOURS	**15 TOTAL HOURS**

FOURTH YEAR

Fall Semester	Spring Semester
MATH 4923 Perspectives in Mathematics	MATH 4133 Intermediate Analysis OR
MATH 3813 Modern Algebra OR	MATH 3713 Linear Algebra
Upper Division Elective* (3 hours)	Upper Division Elective* (3 hours)
Electives (9 hours)	Upper Division Elective* (3 hours)
	Electives (6 hours)
15 TOTAL HOURS	**15 TOTAL HOURS**

*Approved courses from MATH, CPSMA (3000-4000)