

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

<b>FIRST YEAR</b>	
<p style="text-align: center;"><b>Fall Semester</b></p> UNIV 1001 Tiger Connect (Information Literacy) ENG 1113 Freshman Composition I (Communication) GEN ED Civic Consciousness (3 hours) MATH 1513 College Algebra (Critical Thinking) MATH 1713 Trigonometry Cultural and Aesthetic Awareness (Intercultural Knowledge and Comptence) (3 hours) <p style="text-align: center;"><b>16 TOTAL HOURS</b></p>	<p style="text-align: center;"><b>Spring Semester</b></p> ENG 1213 Freshman Composition II (Information Lit MATH 2825 Calculus and Analytic Geometry I GEN ED Civic Consciousness (3 hours) Nature and Science (Lab Science) (4 hours) <p style="text-align: center;"><b>15 TOTAL HOURS</b></p>
<b>SECOND YEAR</b>	
<p style="text-align: center;"><b>Fall Semester</b></p> MATH 3025 Calculus and Analytic Geometry II MATH 1223 Intro to Probability and Statistics (Critical Thinking) Cultural and Aesthetic Awareness (Global Citizenship) CMPSC 1113 Computer Programming I <p style="text-align: center;"><b>14 TOTAL HOURS</b></p>	<p style="text-align: center;"><b>Spring Semester</b></p> MATH 3033 Calculus and Analytic Geometry III MATH 3093 Intro to Theorem Proving Nature and Science (3-4 hours) GEN ED Elective (3 hours) Electives (3 hours) <p style="text-align: center;"><b>15-16 TOTAL HOURS</b></p>
<b>THIRD YEAR</b>	
<p style="text-align: center;"><b>Fall Semester</b></p> MATH 4113 Differential Equations MATH 3813 Modern Algebra OR Upper Division Elective* (3 hours) GEN ED Elective (1-2 hours) Electives (6-8 hours) <p style="text-align: center;"><b>14-15 TOTAL HOURS</b></p>	<p style="text-align: center;"><b>Spring Semester</b></p> MATH 4133 Intermediate Analysis OR MATH 3713 Linear Algebra Upper Division Elective* (3 hours) Electives (9 hours) <p style="text-align: center;"><b>15 TOTAL HOURS</b></p>
<b>FOURTH YEAR</b>	
<p style="text-align: center;"><b>Fall Semester</b></p> MATH 4923 Perspectives in Mathematics MATH 3813 Modern Algebra OR Upper Division Elective* (3 hours) Electives (9 hours) <p style="text-align: center;"><b>15 TOTAL HOURS</b></p>	<p style="text-align: center;"><b>Spring Semester</b></p> MATH 4133 Intermediate Analysis OR MATH 3713 Linear Algebra Upper Division Elective* (3 hours) Upper Division Elective* (3 hours) Electives (6 hours) <p style="text-align: center;"><b>15 TOTAL HOURS</b></p>

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