

College of Science and Mathematics

Department: MATHEMATICS & STATISTICS
Major Program: B.S. MATHEMATICS
Concentration: Mathematics

Quarters	Hours
I. General Education Required Substitutions: Area I: MTH229,230 (counted in dept requirements) Area V: PHY240/200,242/202,244/204 (counted in related course requirements) Area VI: Choose one from list	40
II. Departmental Core Requirements MTH229, 230, 231, 232, 233, 255, 280, 355, 431, 432, 433, 451, 452, 492	52
III. Departmental Requirements and Electives <i>Recommended:</i> MTH332 <i>Elective:</i> MTH306, 314, 316, 317, 332, 333, 381, 407, 410, 415, 419, 456, 457, 458, 471, 480, 481, 482 STT360, 361, 461, 462	21
IV. Related Course Requirements PHY 240/200, 242/202, 244/204 CS 141 and either CS142 or 240, or equivalent	24
V. General Electives Foreign language study is recommended	46
Total	183

Semesters	Hours
I. General Education Required Substitutions: MTH2300 (Calc I) (counted in dept requirements) PHY2400,2410 (General Physics I, II) (counted in related course requirements)	27
II. Departmental Core Requirements MTH2300,2310,2320 (Calc I,II,III) MTH2330 (DE) or MTH2350 (DE/Matrix) MTH2530 (Elementary Linear Algebra) MTH2800 (Intro Math Proof) MTH4310 (Real Variables I) MTH4510 (Algebra I)	27
III. Departmental Requirements and Electives MTH4320 (Real Variables II) MTH4520 (Algebra II) Five additional department-approved elective courses, including at least one at the 4000-level.	21
IV. Related Course Requirements PHY2400,2410 (General Physics I,II) CS1410 (Intro Programming) or CEG2200 (C for Engineers & Scientists) or equivalent	12
V. General Electives Foreign language study is recommended	33
Total	120