

College of Science and Mathematics

Department:
Major Program:

MATHEMATICS & STATISTICS
B.A. DUAL MAJOR in MATHEMATICS

Quarters	Hours
I. General Education Required Substitutions: Area I: MTH229,230 (counted in dept requirements) Area VI: Choose one:	52
II. Departmental Core Requirements MTH229, 230, 231, 255, 355	21
III. Departmental Requirements and Electives <i>Choose at least two of the following:</i> MTH431, 432, 451, 452, 457, 458 STT461, 462 <i>Electives (Max of 2 at 200-level):</i> MTH232, 233, 280, 306, 314, 381, 410, 415, 419, 431, 432, 433, 440, 451, 452, 456, 457, 458, 471, 492 STT360 or 363, 361, 461, 462, 466, 467	24
IV. Related Course Requirements CS 141 and either CS142 or 240, or equivalent	8
V. General Electives	
Total	183

Semesters	Hours
I. General Education Required Substitutions: MTH2300 (Calc I) (counted in dept requirements)	35
II. Departmental Core Requirements MTH2300,2310 (Calc I,II) MTH2530 (Elementary Linear Algebra)	11
III. Departmental Requirements and Electives Two of the following: MTH2320 (Calc III) <i>Either</i> MTH2330 (DE) <i>or</i> MTH2350 (DE/Matrix) MTH2800 (Intro Math Proof) Two of the following: MTH4310 (Real Analysis I) MTH4320 (Real Analysis II) MTH4510 (Abstract Algebra I) MTH4520 (Abstract Algebra II) MTH4570 (Combinatorics and Graph Theory) Two additional department-approved electives	19
IV. Related Course Requirements CS1410 (Intro Programming) or CEG2200 (C for Engineers & Scientists) or equivalent	4
V. General Electives Student must complete a major program in another department	51
Total	120