PROGRESS TOWARD COMPLETION OF MAJOR
B.A. with concentration in Pure Mathematics (’08-’10 catalog)
Prerequisites and semesters offered follow the course.  S=Spring; F=Fall; every semester if not listed.

Required Courses
Core:
Math 161 – Differential and Integral Calculus I (3 units in GE).................................4 Met ______ Do ______
Math 211 – Differential and Integral Calculus II (161).............................................4 Met ______ Do ______
Math 220 – Higher Mathematics: An Introduction (211)........................................3 Met ______ Do ______
Math 261 – Multivariable Calculus (241 OR (211 and Phys 114))..........................4 Met ______ Do ______
Math 340 – Real Analysis I (220 and 261; S).........................................................4 Met ______ Do ______

Concentration:
Math 241 – Differential Equations with Linear Algebra (211).................................4 Met ______ Do ______
Math 306 – Number Theory (142 or 200 or 220; S) or
Math 308 – Geometry (142 or 200 or 220; F).......................................................3 Met ______ Do ______
Math 320 – Modern Algebra I (220; F).................................................................4 Met ______ Do ______
Math 322 – Linear Algebra (220 AND (222 or 241); S)......................................3 Met ______ Do ______
Math 360 – Complex Variables (220 and 261; 340 recommended; S’09, F’10, S’12)....3 Met ______ Do ______
Math 418 – Topology (340; F’08, F’10) or
Math 420 – Modern Algebra II (320; S’10, S’12) or
Math 440 – Real Analysis II (340; F’09, F’11)....................................................3 Met ______ Do ______

Supporting Courses:
Math 180 – Computing for Math/Science (2 units; 161; F) or
CS 115 – Programming I (4 units/3 units in GE)....................................................2-4 Met ______ Do ______
Phys 114 – Intro to Physics (3 units in GE; 161)......................................................4 Met ______ Do ______

Total units in pure mathematics program.........................................................45-47

NOTE: Even though it is possible to complete this major with only 20 upper division units, ALL students are required to complete a minimum of 40 upper division units, including GE, the major, and electives, for graduation.