PROGRESS TOWARD COMPLETION OF MAJOR
B.A. with concentration in Pure Mathematics (*'14-'16 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 (GE B4) .................................................. 4  _____  _____
Math 180 – Computing for Math/Science (161; F) ............................................................. 2  _____  _____
Math 211 – Differential and Integral Calculus II (161) ...................................................... 4  _____  _____
Math 220 – Reasoning and Proof
  (161 and (one subsequent math class or CS 242); GE A3) .................. 4  _____  _____
Math 241 – Linear Algebra with Applications in Differential Equations (211) ............ 4  _____  _____
Math 340 – Real Analysis I (220 and (241 or 261); F) ............................................... 4  _____  _____

Concentration:
Math 261 – Multivariable Calculus (211) .......................................................................... 4  _____  _____
Math 306 – Number Theory (142 or 220; S) or
Math 308 – Geometry (142 or 220; S) ........................................................................ 4  _____  _____
Math 320 – Modern Algebra I (220; F) ........................................................................... 4  _____  _____
Math 322 – Linear Algebra (220 and 241; S) ................................................................. 4  _____  _____
Two of:
Math 440 – Real Analysis II (340; S odd years) ................................................................ 4  _____  _____
Math 418 – Topology (340; S odd years) ....................................................................... 4  _____  _____
Math 460 – Complex Analysis (261 and 340; S even years) ...................................... 4  _____  _____
Math 420 – Modern Algebra II (320; S even years) ...................................................... 4  _____  _____

Total units in pure mathematics program ................................................................. 46 (incl. 8 in GE)

NOTE:  Even though it is possible to complete this major with only 24 upper division units, ALL students are required to complete a minimum of 40 upper division units, including GE, the major, and electives, for graduation.