Mathematics Graduate Degree Plan
College of Science, Engineering and Agriculture
Texas A&M University – Commerce

Name: _____

CWID: _____ Telephone _____

Email: _____

Undergraduate Degree:_____ Year received: _____

Undergraduate Institution: _____

Admission Status:

☐Full _____ ☐Conditional_____ ☐Provisional_____
   (Date)   (Date)   (Date)

☐ Degree Option I   ☐ Degree Option II

Core Courses:

Math_____ Semester/Year _____ Grade___

Math_____ Semester/Year _____ Grade___

Math_____ Semester/Year _____ Grade___

Math_____ Semester/Year _____ Grade___

Track Courses:

Math_____ Semester/Year _____ Grade___

Math_____ Semester/Year _____ Grade___

Math_____ Semester/Year _____ Grade___

Math_____ Semester/Year _____ Grade___

Electives:

Course_____ Semester/Year _____ Grade___

Course_____ Semester/Year _____ Grade___

Course_____ Semester/Year _____ Grade___

Course_____ Semester/Year _____ Grade___

☐Thesis, Semester/Year_____

☐Research Project, Semester/Year_____

Advisor_____

Date of Defending Thesis/Project _____

Date of Comp. Exams _____ ☐Pass   ☐Fail

Notes:

DEGREE REQUIREMENTS

Option I (Thesis Option): total 30 credits
1. Core courses (12 credit hours): Four core courses, including one complete sequence.
2. Track Courses (12 credit hours): Four courses from either the rest of core courses, or from track courses.
3. Thesis (6 hours): Math 518

Option II (Non-Thesis Option): Total 36 credits
1. Core courses (12 credit hours): Four core courses, including one complete sequence.
2. Track Courses (9 credit hours): Three courses from either the rest of core courses, or from track courses.
3. Electives: 12 credit hours
4. Research Project (3 credit hours): Math 595

GRADUATE COURSES

- **Core Courses:**
  - Math 501, Mathematical Statistics I
  - Math 502, Mathematical Statistics II
  - Math 511, Introduction to Real Analysis I
  - Math 512, Introduction to Real Analysis II
  - Math 522, General Topology I
  - Math 523, General Topology II
  - Math 538, Functions of a Complex Variables I
  - Math 539, Functions of a Complex Variables II
  - Math 543, Abstract Algebra I
  - Math 544, Abstract Algebra II

- **Track Courses:**
  - Math 515, Dynamical Systems
  - Math 517, Calculus of Finite Differences
  - Math 532, Fourier Analysis and Wavelets
  - Math 533, Optimization
  - Math 536, Cryptography
  - Math 537, Theory of Numbers
  - Math 546, Numerical Analysis
  - Math 561, Statistical Computing and Design of Experiments
  - Math 563, Image Processing with Applications
  - Math 580, Topics from the History of Mathematics
  - Math 597, Special Topics (approval by the math department)

- **Electives:** Any graduate courses offered by the mathematics department, or courses outside of mathematics with the approval of the mathematics department. A complete list of math graduate courses can be found at http://coursecatalog.tamuc.edu/grad/.
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