FALL 2015

THE COLLEGE OF NEW JERSEY

MATHEMATICS AND STATISTICS DEPARTMENT

MATHEMATICS SECONDARY EDUCATION MAJOR

FRESHMAN YEAR UNITS

 (FALL)

 MAT 099 Orientation for Math/Stat Majors 0

 MAT 127 Calculus A (LL)\* 1

CSC 220/MAT 200 Computer Science I or Proof Writing through Discrete Mathematics 1

FSP 1XX First Seminar (LL) 1

 ------ ---- Second Language\*\*\* 1

 4

 (SPRING)

 MAT 128 Calculus B 1

 WRI 102 Academic Writing\*\* 1

MAT 200/CSC 220 Proof Writing through Discrete Mathematics or Computer Science I 1

 ------ ---- Second Language\*\*\* 1

 4

SOPHOMORE YEAR

 (FALL)

 MAT 229 Multivariable Calculus 1

 STA 216 Statistical Inference & Probability (Fall only) 1

SED 224/EFN 299 Adolescent Learning & Development or Schools & Communities 1

------ ---- Second Language\*\*\* 1

------ ---- Liberal Learning (Literary, Visual, Performing Arts or Social Change in Historical Perspectives) 1

 5

 (SPRING)

 MAT 301 Number Theory 1

 MAT 205 Linear Algebra 1

EFN 299/SED 224 Schools & Communities or Adolescent Learning & Development 1

 BIO 185, CHE 201, or PHY 201 Science 1

 4

JUNIOR YEAR

 (FALL)

 MAT 305 Abstract Algebra 1

 MAT 255 Perspectives on the Development of Math (Fall only) 1

MTT 380 Methods of Teaching Math I (Fall only) 1

MAT/STA Mathematics/Statistics Option\*\*\*\* 1

 4

 (SPRING)

EFN 398 Historical & Political Context of Schools 1

MAT 310 Real Analysis 1

MAT 351 Geometry 1

------ ---- Liberal Learning (Literary, Visual, Performing Arts or Social Change in Historical Perspectives) 1

 4

SENIOR YEAR

 (FALL)

MAT/STA Mathematics/Statistics Option\*\*\*\* 1

THE FOLLOWING 3 COURSES MUST BE TAKEN AS A BLOCK IN THE SEMESTER DIRECTLY PRECEDING STUDENT TEACHING

 MTT 390 Methods of Teaching Math II (Fall only) 1

 SPE 323 Secondary Content Literacy in Inclusive Classrooms 1

SED 399 Pedagogy in Secondary Schools 1

4

 (SPRING)

 MTT 490 Student Teaching Math 2

 SED 498 Collaborative Capstone for Professional Inquiry 1

 3

 TOTAL REQUIRED FOR GRADUATION: 32 UNITS

\*Placement based on SAT/ACT scores. See department website.

\*\* May be exempt.

\*\*\*You must complete the language requirement at the 103 level or higher. Also, if you took four or more years of a language in high school and continue with this language and you are placed at the 101 level, then the 101 level course will NOT count towards the 32 units required for graduation.

\*\*\*\* MAT/STA options must be chosen from list of courses on the department website.

Revision: 9/15/04

 10/9/05

 6/7/06

 1/12/07

 3/26/12

 2/4/15

 2/25/15

 3/6/15

 2/4/16

 2/29/16