FALL 2014

THE COLLEGE OF NEW JERSEY

MATHEMATICS AND STATISTICS DEPARTMENT

MATHEMATICS MAJOR: SECONDARY TEACHING

CODE: MATT

FRESHMAN YEAR UNITS

 (FALL)

 MAT 099 Orientation for Math/Stat Majors 0

 MAT 127 Calculus A (LL) 1

 MAT 200 Proof Writing through Discrete Mathematics 1

FSP 1XX First Seminar (LL)\* (Arts & Humanities, or Social Change in Historical

 Perspectives) 1

 ------ ---- Liberal Learning (Arts & Humanities, or Social Change in Historical

Perspectives, depending on what was taken for FSP) 1

 4

 (SPRING)

 MAT 128 Calculus B 1

 WRI 102 Academic Writing\*\* 1

 STA 215 Statistical Inference 1

 BIO 185, CHE 201, or PHY 201 Science 1

 4

SOPHOMORE YEAR

 (FALL)

 MAT 229 Multivariable Calculus 1

 MAT 205 Linear Algebra 1

 SED 224 Adolescent Learning & Development 1

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

 ------ ---- Liberal Learning (Arts & Humanities) 1

 5

 (SPRING)

 MAT 301 Number Theory 1

 MAT 316 Probability 1

 EFN 299 Schools & Communities 1

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

 4

JUNIOR YEAR

 (FALL)

 MAT 305 Abstract Algebra 1

 MAT 255 Perspectives on the Development of Math 1

MTT 380 Methods of Teaching Math I 1

 ------ ---- Second Language\*\*\* 1 4

 (SPRING)

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

THE FOLLOWING 3 COURSES MUST BE TAKEN AS A BLOCK

 MTT 390 Methods of Teaching Math II 1

 SPE 323 Secondary Content Literacy in Inclusive Classrooms 1

SED 399 Pedagogy in Secondary Schools 1

 4

SENIOR YEAR

 (FALL)

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

 MAT 351 Geometry 1

 EFN 398 Historical & Political Context of Schools 1

 CSC 220 Computer Science I 1 4

 (SPRING)

 MTT 490 Student Teaching Math 2

 SED 498 Collaborative Capstone for Professional Inquiry 1

 3

 TOTAL REQUIRED FOR GRADUATION: 32 UNITS

\* FSP1XX will also count as a Liberal Learning requirement. The XX in 1XX is used to designate the Liberal Learning area satisfied by the course.

\*\* 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 attached list.

Revision: 9/15/04

 10/9/05

 6/7/06

 1/12/07

 3/26/12