The College of New Jersey

Mathematics and Statistics Department

Fall 2014

**7-year Med/Mathematics Major**

**Freshman Year** Units

*Fall:* MAT 099 Orientation for Math/Stat Majors 0

 MAT 127 Calculus A (LL) 1

 MAT 200 Discrete Mathematics 1

 FSP 1xx First Seminar (LL)1 1

 ------ ---- Second Language2 1

 4

*Spring:* MAT 128 Calculus B 1

 ------ ---- Second Language2 1

 ------ ---- Liberal Learning (LL) 1

 ------ ---- Liberal Learning (LL)3 1

 BIO 185 Themes in Biology 1

 5

**Sophomore Year**

 *Fall:* MAT 229 Multivariable Calculus 1

 MAT 205 Linear Algebra 1

 PHY 201 General Physics I (LL) 1

 CHE 201 General Chemistry I 1 ------ ---- Second Language2 1

 5

 *Spring:* MAT 305 Abstract Algebra 1

 ------ ---- Mathematics Option4 1

 PHY 202 General Physics II (LL) 1

 CHE 202 General Chemistry II 1

 BIO 211 Eukaryotic Cell Biology 1

 5

**Junior Year**

 *Fall:* MAT 310 Real Analysis 1

 ------ ---- Mathematics Option4 1

 BIO 231 Genetics 1

 CHE 331 Organic Chemistry I 1

 ------ ---- Liberal Learning (LL) 1

 5

 *Spring:* ------ ---- Mathematics Options4 1

 ------ ---- Mathematics Options4 1

 ------ ---- Mathematics Options4 1

 ----- ---- Liberal Learning (LL) 1

 CHE 332 Organic Chemistry II 1

 5

1 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.

2 If continuing in the same language as studied in high school, you must complete the language requirement at the 103 level or higher. Also, if you took three 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.

3 This assumes you will be exempted from WRI 102. See rhetoric.intrasun.tcnj.edu for details.

4 Any MAT course at the 300/400 level (with advisement), with at least two courses at the 400 level.

Revised: January 30, 2014