

7-YEAR MED/MATHEMATICS MAJOR

| FRESHMAN YEAR | | | <u>UNITS</u> |
|-----------------------|---------|----------------------------------|---------------|
| <i>Fall:</i> | MAT 099 | Orientation for Math/Stat Majors | 0 |
| | MAT 127 | Calculus A (LL) | 1 |
| | MAT 200 | Discrete Mathematics | 1 |
| | FYS 16x | First Year Seminar ¹ | 1 |
| | ----- | Second Language ² | $\frac{1}{4}$ |
| | | | 4 |
| <i>Spring:</i> | MAT 128 | Calculus B | 1 |
| | ----- | Second Language ² | 1 |
| | ----- | Liberal Learning (LL) | 1 |
| | ----- | Liberal Learning (LL) | 1 |
| | BIO 185 | Themes in Biology | $\frac{1}{5}$ |
| | | | 5 |
| SOPHOMORE YEAR | | | |
| <i>Fall:</i> | MAT 229 | Multivariable Calculus | 1 |
| | MAT 205 | Linear Algebra | 1 |
| | PHY 201 | General Physics I (LL) | 1 |
| | CHE 201 | General Chemistry I | 1 |
| | ----- | Second Language ² | $\frac{1}{5}$ |
| | | | 5 |
| <i>Spring:</i> | MAT 305 | Abstract Algebra | 1 |
| | ----- | Mathematics Option ³ | 1 |
| | PHY 202 | General Physics II (LL) | 1 |
| | CHE 202 | General Chemistry II | 1 |
| | BIO 211 | Eukaryotic Cell Biology | $\frac{1}{5}$ |
| | | | 5 |
| JUNIOR YEAR | | | |
| <i>Fall:</i> | MAT 310 | Real Analysis | 1 |
| | ----- | Mathematics Option ³ | 1 |
| | BIO 231 | Genetics | 1 |
| | CHE 331 | Organic Chemistry I | 1 |
| | ----- | Liberal Learning (LL) | $\frac{1}{5}$ |
| | | | 5 |
| <i>Spring:</i> | ----- | Mathematics Options ³ | 1 |
| | ----- | Mathematics Options ³ | 1 |
| | ----- | Mathematics Options ³ | 1 |
| | ----- | Liberal Learning (LL) | 1 |
| | CHE 332 | Organic Chemistry II | $\frac{1}{5}$ |
| | | | 5 |

¹ This assumes you will be exempted from FYW 102. See writing.tcnj.edu for details. If you are exempted from FYW 102, you must take another writing intensive course in its place. However, some major courses or Liberal Learning courses you take may fulfill the writing requirement.

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 Any MAT course at the 300/400 level (with advisement) or STA 410, with at least two 400-level MAT course units. The MAT 4xx courses must have a number between 400 and 480.

Revised: June 14, 2023