**Mathematics Secondary Education BS Degree**  **Course Units AY 2019-20**

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| Name: | | | | |  | | Updates | | | |
| TCNJ ID: | | TCNJ Entry: | | Major Entry: | | |  |  |  | |
| 2nd Major: | | 1st Minor: | | 2nd Minor: | | |  |  |  | |
| Earned Hours: | | GPA: | | Major GPA: | | |  |  |  | |
| **Liberal Learning Breadth Requirements**  **NOTE: courses in *italics* are also listed as major and/or correlate courses.** | | **Major Program Requirements** | | | **Civic Responsibilities, Proficiencies & Electives** | | | |
| **Courses Grade** | | **Courses Grade** | | | **Courses Grade** | | | |
| |  |  | | --- | --- | |  | | |  | | |  | | |  | | | **Breadth Distribution List (C)-8 Courses:** | | |  | | |  | | | **Arts & Humanities – 2 Courses**  Literary, Visual, Performing Arts; World Views/Ways of Knowing | | | ***MAT 255*** *Perp on Dev of Math* |  | | 1 LVPA course |  | |  |  | | **Social Science & History – 3 Courses** Behavioral, Social or Cultural Perspectives; Social Change in Historical Perspective | | | SED 224 *Adol Lrn & Dev* |  | | SPE 103 *Soc & Leg Fndtns of Spec Ed* |  | | 1 SCHP course (EFN 398 recommended) |  | | **Natural Sciences & Quantitative Reasoning– 3 Courses**  Natural Science (at least one lab); Quantitative Reasoning (at least one from each) | | | **MAT 127** Calculus A |  | | **MAT 128** Calculus B |  | | *BIO 201, CHE 201, PHY 201* |  |     **\*Requires state of NJ Basic Skills requirement.**  **\*\*Requires min 3.0 cumulative GPA, minimum of B- in all courses in Clinical Practice I, Praxis scores submitted, and completion of STA 216, MAT 301, MAT 351, and MAT 305 and all but at most 3 of their math major requirements.**  **Revised 7/11/19** | | |  |  | | --- | --- | | **Correlate Courses: 2** Courses | | | BIO 201, CHE 201 or PHY 201 |  | | **CSC 220** Computer Sci. |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | **Major Core: 10** Courses | | | **MAT 200** Discrete Math. |  | | **MAT 205** Linear Algebra |  | | **MAT 229** Multivar. Calc. |  | | **MAT 255** Perp on Dev of Math |  | | **MAT 301** Number Theory |  | | **MAT 305** Abstract Alg |  | | **MAT 310** Real Analysis |  | | **MAT 351** Geometry |  | | **STA 216** Statistical Inf. & Probability |  | | | | | **MAT 497** Tpcs in Sec Math from Adv Viewpoint | | | | |  |  | | --- | --- | | **Major Options/Concentrations: 2** Courses. Any MAT/STA courses at the 300/400 level (with advisement) | | |  |  | |  |  | | | | | **Major non-credit requirement:**  **MAT 099** Orientation Sem  **SED 099** Orientation Sem | | | | **Secondary Education Sequence 9 courses (10 course units)** | | | | **SED 224** Adol Lrn & Dev | 1 |  | | **EFN 299** School & Com | 1 |  | | **MTT 380** Meth of Tch Math I | 1 |  | | **\*SED 399** Ped in Sec Schls | 1.5 |  | | **MTT 390** Meth of Tch Math II | 1 |  | | **SPE 103** Soc & Leg Fndtns of Spec Ed | 1 |  | | **RAL 328** Rdg in Sec Ed | 0.5 |  | | **\*\*MTT 490** Clinical Practice II | 2 |  | | **SED 498** Capstone | 1 |  | |  | | | | | | |  |  | | --- | --- | | **Civic Responsibilities –** May be met through Courses, Programs or Sustained Experiences | | | **Community Engaged Learning** | | |  |  | | **Gender** | | |  |  | | **Global Perspective** | | |  |  | | **Race & Ethnicity** | | | *EFN 299 School&Com* |  |  |  |  | | --- | --- | | **Intellectual & Scholarly Growth:** | | | **WRI 101 (if required)** |  | | **WRI 102 (if required)** |  |   **Writing Intensive Courses: 3**   |  |  | | --- | --- | | **FSP First Seminar** |  | | **MTT 380** |  | | **SED 498** |  |   **Information Literacy**  On-Line Library   |  |  | | --- | --- | | **Second Language**  Demonstrated proficiency at the Low-Intermediate Level (0-2 Courses Based on Placement) | | |  |  | |  |  | |  |  | | Not Applicable | |  |  |  |  |  | | --- | --- | --- | --- | | **Electives** | | | | |  | | |  | | **Placement Deficiencies Met With** | | | | | Not Applicable | | | | | Math |  |  | | | Verbal |  |  | |   **Graduation Requirements:**   1. minimum GPA of 3.0 required for teacher certification 2. Minimum GPA of 2.00. A 2.5 GPA in the courses MAT 127, 128, 200, 205, 229. 3. Minimum of 6 units in the major must be earned in the department. A minimum of 4 of the final 6 units must be earned in the department. 4. At least C- in all MAT & STA courses with the following exception: at most one grade of D or D+ in a MAT/STA 3xx/4xx course that is not a prerequisite for another course. 5. At most one course unit of independent work courses MAT 39x, 49x can count as math options. | | | |
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