**Mathematics Secondary Education BA Degree**  **Course Units AY 2015-2016**

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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** | | | |
| |  |  | | --- | --- | | **Indicate Option Met:** | | | **Designated Interdisciplinary Concentration (A)** (Attachment) | | | **Second Major (A)** (Attachment) | | | **Self-Designed Interdisciplinary Concentration (B)** (Attachment) | | | **Breadth Distribution List (C)-8 Courses (see below)** | | |  | | | **Arts & Humanities – 2 Courses**  Literary, Visual, Performing Arts (LVPA); World Views/Ways of Knowing (WVWK) | | | ***MAT 255*** *Perp on Dev of Math* |  | | 1 LVPA course |  | | **Social Science & History – 3 Courses** Behavioral, Social or Cultural Perspectives (BSCP); Social Change in Historical Perspective (SCHP) | | | SED 224 *Adol Lrn & Dev* |  | | EFN 398 *Hist & Pol Context of Schools* |  | | 1 SCHP course |  | | **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 185, CHE 201, PHY 201* |  |   **Transfer Information**:  School       Credit Accepted:  School       Credit Accepted:  School       Credit Accepted:  Pending:  **Revised 2/11, 8/12, 4/13, 7/13**  **7/15, 10/15** | | |  |  | | --- | --- | | **Correlate Courses: 2** Courses | | | BIO 185, CHE 201 or PHY 201 |  | | **CSC 220** Computer Sci. |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | **Major Core: 9** 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 |  | | | | |  | | | | |  |  | | --- | --- | | **Major Options/Concentrations: 2** Courses. Any MAT/STA courses at the 300/400 level (with advisement) | | |  |  | |  |  | | | | | **Major non-credit requirement:**  **MAT 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 |  | | **MTT 390** Meth of Tch Math II | 1 |  | | **SPE 323** Sec Cont Lit in Incl Clrms | 1 |  | | **EFN 398** Hist & Political Context of Schools | 1 |  | | **\*\*MTT 490** Student Teaching | 2 |  | | **SED 498** Capstone | 1 |  | | \*\*Requires min 2.75 cumulative GPA, at least C+ in MTT 390, Praxis scores submitted, and completion of all major requirements | | | | | | |  |  | | --- | --- | | **Civic Responsibilities –** May be met through Courses, Programs or Sustained Experiences | | | **Community Engaged Learning** | | | EFN 398 *Hist & Pol Context of Schools* |  | | **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 (0-3 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 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 3. at least B- in MAT 127 or MAT 128, at least C in MAT 200 or 205, and at least a C+ in MTT 390 4. at least C- in all other MAT & STA courses with the following exception: for 300-400 level courses at most 1 grade of D or D+   5)at least C- in any course that is prerequisite for subsequent course.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Evaluator Approval: | | | |