**Math Course Planner for 5-Year Urban Secondary Education Students**

*The College of New Jersey*

*School of Education ~ Dept. of Educational Administration and Secondary Education - Fall 2022*

*5-Year Course Sequence* ***(for Math Majors only)*** (starting in Calculus)

***Urban Secondary Education***

***(boxes in yellow represent courses in the Urban Education program)***

**Year 1**

|  |  |
| --- | --- |
| *Fall* | *Spring* |
| *Course* | *Goal* | *Course* | *Goal* |
| FYW 102 Academic Writingor FYS1XXFirst Seminar (CC) MAT 099 Math Dept Orientation | *FYS*  | *SED 099 College Seminar* | *Secondary Education*  |
| *EFN 299 Introduction to Urban Education/Schools, Community & Culture (field placement)* | *Urban Education* |
| *MAT 127**Calculus A* | *The College Core/Content Major Requirements* | *MAT 128**Calculus B* | *The College Core/Content Major Requirements* |
| *CSC 220/MAT 270**Computer Science*  | *Content Major Requirements* | *MAT 200**Proof Writing through Discrete Mathematics* | *Content Major Requirements* |
| *2nd language (Spanish recommended) 101* | *Urban Education/Language Requirement*  | *FYS 1XX or SPA 102* | *Urban Education/**Language Requirement* |

**Year 2**

|  |  |
| --- | --- |
| *Fall* | *Spring* |
| *Course* | *Goal* | *Course* | *Goal* |
| *MAT 229 Multivariable Calculus* | *Content Major Course* | *MAT 205 Linear Algebra* | *Content Major Course* |
| *STA 216 Statistical Inference & Probability (Fall only)* | *Content Major Requirements* | *SED 224 Adolescent Development (field placement)* | *Secondary Education*  |
| *SPA 102 or SPA 103* | *Urban Education/Language Requirement* | *MAT 301 Number Theory* | *Content Major Requirements* |
| *SPE 103 Social and Legal Foundations of Special Education*  | *Secondary Education*  | *BIO 201, CHE 201, or PHY 201* | *The College Core* |
| *Literary, Visual, or Performing Arts course* | *The College Core* |

**Year 3**

|  |  |
| --- | --- |
| *Fall* | *Spring* |
| *Note: You must select your Urban Concentration (TESL, Special Education, or Literacy) in your 3rd year. See the “Urban Concentrations” document for details.* |
| *Course* | *Goal* | *Course* | *Goal* |
| *MTT 380 Methods of Teaching Mathematics I (fall only)* | *Content Major Course* | *MAT 310 Real Analysis* | *Content Major Course* |
| *MAT 351 Geometry* | *Content Major Course* | *MAT 255 Perspectives on the Development of Mathematics (spring only)* | *Content Major Course* |
| *EFN 427 Critical Pedagogy* | *Urban Education/The College Core* | *398 Historical and Political Context of Schools* | *Urban Education* |
| *MAT 305 Abstract Algebra*  | *Content Major course* | *MAT/STA Option* | *Content Major Course* |

**Year 4**

|  |  |
| --- | --- |
| *Fall* | *Spring* |
| ***Note****: Students who choose a TESL concentration will take ESLM 545 & ESLM 579 in the Spring (instead of ESLM 587) and will need to overload in the Spring if they need to take both MAT/STA courses.* |
| *Course* | *Goal* | *Course* | *Goal* |
| *SED 399 Pedagogy in Schools* *(field placement)* | *Professional Education* | *EFN 357 Investigating Systemic Inequalities Impacting Urban Education (new undergraduate course)**(field placement)* | *Urban Education* |
| *MTT 390 Discipline-Specific Methods (fall only)* | *Professional Education* | *MAT/STA Option* | *Content Major Course* |
| *RAL 328 Reading in Secondary Education* | *Professional Education* | *ESLM 587 Curriculum & Methods/Multilingual Population**(3)*  | *Urban Education* |
| *SPE 322 Inclusive Practices* | *Professional Education* | *MAT 497 Topics in Secondary Mathematics from an Advanced Viewpoint (spring only)* | *Content Major Course* |

*SUMMER COURSES: Concentration Course Requirements (2 courses) OR do as overload during undergrad*

**Year 5**

|  |  |
| --- | --- |
| *Fall* | *Spring* |
| *Course* | *Goal* | *Course* | *Goal* |
| *SCED 695: Internship II (Student Teaching) (6)* | *Professional Education* | *EDFN 508 Introduction to Teacher Research (3)* | *Professional Education* |
| *SCED 667: Capstone (3) - cross listed with 498 in content areas*  | *Professional Education* | *EDFN 611 Working within Urban Communities* | *Urban Education Capstone* |
| *SCED 700: Comprehensive Exam (0 credits)* | *Co-Requisite with EDFN 611* |
| *Concentration Course (3)* | *Urban Graduate* |
| *Concentration Course (3)* | *Urban Graduate* |

* *Students are encouraged to take courses during the May or summer semester.*
* *The information literacy goal is met through a college-wide experience.*
* *This course sequence is a recommended sequence, except for your foundation courses which have to be taken as suggested.*