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 2023
*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 Writing or FYS1XX First 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.*