

School of Education – The College of New Jersey  
Elementary Inclusive Education – Special Education Specialization Mathematics Teaching Sample Course Sequence

Year 1			
Fall		Spring	
Course	Type	Course	Type
FYS 1XX: First Year Seminar	College Core	HIS 198: Teaching American History or an approved US History course	College Core: Historical Perspectives Professional Education: US History
BIO 104: Inquiries in the Life Sciences	College Core: Natural Sciences	SLP 102: Speech and Language Development	Professional Education
ELE 203 Foundations of Inclusive Education	Professional Education (meets Race/Ethnicity)	MAT 127 Calculus A	Academic Major
MAT 120 PreCalculus	Academic Major	MAT 200 Proof Writing through Discrete Math	Academic Major
MAT 099 Orientation to Mathematics and Statistics			
Year 2			
<ul style="list-style-type: none"> <li>STA 216 Statistical Inference and Probability (fall only) or *MAT 212 Data Analysis and Probability for Middle School Teachers</li> <li>MAT 205 Linear Algebra</li> </ul>			
Fall		Spring	
Course	Type	Course	Type
MAT 105: Structures & Algorithms for Education	College Core: Quantitative Reasoning	ELE 113: Incorporating Art and Play in P-6 Classrooms	Professional Education: Visual and Performing Arts
ELE 102: Multicultural Children's Literature	College Core: Literary Visual Performing Arts	SPE 214: Building and Sustaining Inclusive Classroom Communities (full-day joint field experience)	Professional Education
ELE 201: Child and Adolescent Development	College Core: Behavioral, Social or Cultural Perspective	SPE 322: Assessment, Planning, and Methods for Inclusive Practices	Professional Education
MAT 128 Calculus B	Academic Major		
Year 3			
<ul style="list-style-type: none"> <li>*MAT 211 Number Theory and Systems for Middle School Teachers or MAT 301 Number Theory<sup>^</sup> (spring only)</li> <li>MAT 351 Geometry<sup>^</sup>(fall only) or *MAT 215 Geometry for Middle School Teachers</li> </ul>			
Fall		Spring	
Course	Type	Course	Type
RAL 220: Methods of Teaching Literacy I: Foundational Skills in Reading & Writing (half day field experience)	Professional Education	RAL 320: Methods of Teaching Literacy II: Comprehension and Composition	Professional Education
SPE 324: Curriculum Design for Students with Severe Disabilities	Professional Education	MITT 202: Teaching Mathematics in the Early Childhood and Elementary Classroom (full-day joint field experience)	Professional Education
MAT 305 Abstract Algebra (fall only)	Academic Major	SPED 521: Augmentative Communication and Assistive Technology	Graduate Course
Year 4			
Fall		Spring	
Course	Type	Course	Type
ELE 301: Clinical I (two days per week plus two weeks full-time)	Professional Education	ELE 490: Clinical II	Professional Education
MST 202: Methods of Teaching Health, Science and Technology	Professional Education	ELE 498: Inquiry into Learning	Professional Education Capstone Writing

SOM 203: Teaching Social Studies from a Multicultural Perspective	Professional Education	EDUC 513: Collaboration and Consultation for Instruction and Transition Planning	Graduate Course
SPED 522: Curriculum, Instruction and Assessment for Interventions	Graduate Course	<b>33 units</b> <b>BS with K-6 Certification and Teacher of Students with Disabilities Endorsement</b>	

^Must take at least two 300 Level Mathematics courses, including MAT 305

\*The courses for middle school teachers may be offered in a different semester.