

**Sample Course Sequence Mathematics Secondary Education Fall 2025 (Calculus start)**

Year 1	
Fall	Spring
FYS1XX First Year Seminar (CC) <sup>2</sup>	Second Language <sup>3</sup>
Second Language <sup>3</sup>	College Core (Literary, Visual, or Performing Arts)
MAT 127 Calculus A <sup>1</sup> (CC: Quantitative Reasoning)	MAT 200 Proof Writing through Discrete Mathematics
MAT 270/MAT 203 Intro to Mathematical Computing	MAT 128 Calculus B
MAT 099 Orientation to Mathematics major	SED 099 Secondary Ed Freshmen seminar
Year 2	
SED 224: Adolescent Learning and Development	EFN 299: Schools, Communities and Culture (CC: Behavioral/Social Cultural; Social Justice: Race & Ethnicity)
MAT 205 – Linear Algebra	SPE 322--Inclusive Practices  (It is recommended that the above two courses be taken together if possible.)
MAT 229 Multivariable Calculus	MAT 255 Perspectives on the Development of Math (spring only) (College Core: Belief Systems)
STA 216 Statistical Inference and Probability (fall only)	MAT 301 Number Theory (spring only)
Year 3	
MAT 310: Real Analysis (spring only), MAT 316: Probability (Fall only), or MAT 326: Differential Equations Bio 201*, CHE 201 or PHY 201 *Fulfills state hygiene requirement	
MAT 305 Abstract Algebra (Fall only)	College Core: Historical Perspectives ( <i>EFN 398 recommended</i> )
MAT 351: Geometry (Fall only)	MAT 497: Topics in Secondary Mathematics from an Advanced Viewpoint (spring only)

MTT 380: Methods of Teaching Mathematics I (Fall only)	MAT/STA Option <sup>4</sup>
Year 4	
SED 399: Pedagogy in Secondary Schools <b>(1.5 units)</b>	MTT 490: Clinical Practice II: Math
RAL 328: Reading in Secondary Education <b>(.5 units)</b>	SED 498: Collaborative Capstone for Professional Inquiry
MTT 390: Math Methods II (fall only)  The above three courses constitute Clinical Practice I.	

TOTAL REQUIRED FOR GRADUATION: 30 UNITS

<sup>1</sup>Placement based on SAT/ACT scores or placement test. See department website.

<sup>2</sup>FYS 1xx will also count as a Social Justice requirement, depending on its course number.

<sup>3</sup>If studying a foreign language not previously taken in high school, you must complete the language requirement at the 102 level or higher.

<sup>4</sup>MAT/STA option must be chosen from list of courses on the department website.

**NOTE:** The official major requirements, including retention and graduation grade requirements, can be found in the Undergraduate Bulletin and on the department website.