

## 2020-21 Catalog | MATH Majors

### Core Curriculum (39-40 credits) and Additional Degree Requirement (3-4 credits)

<input type="checkbox"/> <b>CTZN 110:</b> Inquiry into Citizenship (3 cr) _____	<input type="checkbox"/> <b>ENGL 165:</b> Writing and Rhetoric (3 cr) _____	<input type="checkbox"/> Pillar: Historical and Contemporary Insights (HCI: 3 cr) _____	<input type="checkbox"/> Pillar: Human Behavior and Social Institutions (HBSI: 3 cr) <b>(EDUC 245 required for Secondary Licensure)</b> _____
<input type="checkbox"/> Pillar: Global Citizenship (GC: 3 – 4 cr) _____	<input type="checkbox"/> Pillar: Aesthetic Expression (AE: 3 cr) _____	<input type="checkbox"/> <b>MATH 171</b> (3 cr) Pillar: Quantitative Reasoning (QR) _____	<input type="checkbox"/> Pillar: Scientific Reasoning (SR: 3 cr) _____
<input type="checkbox"/> Perspectives: World Languages (3 cr) _____	<input type="checkbox"/> Perspectives: HBSI/HCI (3 cr) _____	<input type="checkbox"/> Perspectives: GC/AE (3 cr) _____	<input type="checkbox"/> Perspectives: QR/SR (3 cr) <b>(MATH 304 or 320 required for Secondary Licensure)</b> Only <b>MATH 301, 304, 320</b> count toward MATH 300+ electives _____
<input type="checkbox"/> <b>CTZN 410:</b> Symposium for the Common Good (3 cr) _____	<input type="checkbox"/> <b>CMSC 140</b> (3 cr): Intro Programming or <b>CMSC 160</b> (4 cr): Algorithmic Design I _____		

### Required for All MATH Majors (41-44 credits), in addition to MATH 171 above:

<input type="checkbox"/> <b>MATH 175</b> (2 cr): Discrete Math	<input type="checkbox"/> <b>MATH 280</b> (3 cr): Linear Algebra	<input type="checkbox"/> MATH 300+ elective (3 cr): <b>MATH</b> _____	MATH 300+ elective (3 cr): <input type="checkbox"/> <b>MATH</b> <b>(MATH 335 required for Secondary Licensure)</b>	<input type="checkbox"/> <b>MATH 372</b> (3 cr): Math Prob/Stats
<input type="checkbox"/> <b>MATH 261</b> (4 cr): Calculus 1	<input type="checkbox"/> <b>MATH 300</b> (3 cr): Proofs and Number Theory	<input type="checkbox"/> MATH 300+ elective (3 cr): <b>MATH</b> _____	<input type="checkbox"/> <b>MATH 342</b> (3 cr): Modern Algebra	<input type="checkbox"/> <b>MATH 461</b> (2 cr): Senior Seminar
<input type="checkbox"/> <b>MATH 262</b> (4 cr): Calculus 2	<input type="checkbox"/> <b>MATH 361</b> (4 cr): Calculus 3	<input type="checkbox"/> MATH 300+ elective (3 cr): <b>MATH</b> _____	<input type="checkbox"/> <b>MATH 462</b> (3 cr): Advanced Calculus	<input type="checkbox"/> <b>MATH 490, 492, 498,</b> or <b>482,</b> or <b>MAED 490</b> (1 cr)

### General Electives (32-37 credits). If Seeking Secondary Licensure, in Addition to Courses in Green above, Electives *must* include:

<input type="checkbox"/> <b>EDUC 260</b> (2 cr): Intro to Teaching	<input type="checkbox"/> <b>EDUC 432</b> (3 cr): Content Literacy	<input type="checkbox"/> <b>EDUC 487</b> (3 cr): Classroom Management	<input type="checkbox"/> <b>MAED 152</b> (1 cr): Principles of Sec. Ed. in Math	<input type="checkbox"/> <b>MAED 252</b> (2 cr): Practicum I
<input type="checkbox"/> <b>MATH 451</b> (2 cr): Teaching High School Math	<input type="checkbox"/> <b>MAED 352</b> (2 cr): Practicum II	<input type="checkbox"/> <b>MATH 482</b> (12 cr): Directed Teaching		