

## **Math Core (required courses - offered every semester):**

<b>Calculus</b>	<b>Linear Algebra</b>	<b>Advanced</b>
Math 111: Calc 1 (OR 105+106) Math 121: Calc 2 Math 211: Multivar	Math 271 OR 272 (either-or)	Math 350: Groups/Rings/Fields Math 355: Intro to Analysis

## **Math Electives (offerings vary):**

Take 5 (at least 2 being 200+ level); up to 2 can be in a related field)

### **(some) Pure Math Electives**

220 (Math Reasoning/Proof)

225 (Fractal Geometry)

250 (Number Theory)

280 (Graph Theory)

345 (Complex Analysis)

410 (Galois Theory)

450 (Measure Theory)

455 (Topology)

### **(some) Applied Math Electives**

135 (Intro Statistics)

140 (Modeling)

252 (Cryptography)

260 (Differential Equations)

284 (Numerical Analysis)

294 (Optimization)

360 (Probability)

365 (Stochastic Processes)

## Math Electives Offered in Fall 2025

135 (Intro Stats)	281 (Combinatorics)
220 (Math Reasoning/Proof)	320 (Wavelet and Fourier analysis)
225 (Fractal Geometry)	345 (Complex Analysis)
256 (Combinatorial Geometry)	360 (Probability)
260 (Differential Equations)	450 (Measure Theory)

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Please note:

- ▶ Some electives are offered every Fall, but not Spring
- ▶ Some electives are offered every Spring, but not Fall
- ▶ Some electives are offered only once every two years
- ▶ Some electives are offered only sporadically
- ▶ **Math 220 IS HIGHLY RECOMMEND!**

*The most up-to-date course offerings are available in Workday.*