

# Mathematical Thinking & Visualization

• This is a suggested schedule of courses based on degree requirements. The actual degree plan may differ depending on the course of study selected, the number of starting credits, or the starting admission point. • This guide is not a substitute for academic advising. Contact your academic advisor with questions about scheduling, unique interests, or degree requirements.

Year	Autumn	Winter	Spring
1	♦ B WRIT 134 Composition	♦ B WRIT 135 Composition	Diversity Course
	Elective	❖ I&S	♦ STMATH 124 or B MATH 144 Calculus I (NW) (min 2.0)
	❖ VLPA	VLPA	❖ VLPA
2	★ <a href="#">Recommended prep course</a>	★ <a href="#">Recommended prep course</a>	★ <a href="#">Understanding Art Forms</a>
	VLPA	VLPA	Elective
	♦ BIS 215 Statistics or equivalent (min 2.0)	I&S	I&S
3	✓ BIS 300 Interdisciplinary Inquiry (min 2.0)	★ <a href="#">Mathematical Reasoning</a>	★ <a href="#">Visualization Practice &amp; Methods</a>
	✓ BIS 231 Linear Algebra or STMATH 208 (NW)	★ <a href="#">VPM or MR Coursework</a>	IAS Coursework
	✓ BIS 232 Data Visualization (NW)	IAS Coursework	I&S
4	IAS Coursework	IAS Coursework	✓ BIS 499 Capstone (min 2.5)
	★ <a href="#">IPR Course</a>	★ <a href="#">Visualization Practice &amp; Methods</a>	Elective
	★ <a href="#">Mathematical Reasoning</a>	Elective	Elective

♦ Prerequisite: Must be completed prior to applying for a major

✓ Milestones: Courses and special requirements necessary to timely progress through and complete a major

★ See list of choices

❖ May be fulfilled with Discovery Core

All classes are 5 credits unless followed by a parenthesis with a number, indicating the number of credits  
Refer to the time schedule for up to date course offerings; including quarters, days and times

This Map is a suggested sequence of the current curriculum which may be altered to carry out the academic objectives of the University. The University specifically reserves the right to change the student's current map at any time within the student's period of study.