Mathematics Major: Mathematics for Teaching, BA

NOTICE: This "Eastern in 4" worksheet is a planning document only. Students should consult with their faculty advisor and use the Degree Evaluation to obtain an accurate assessment of their progress toward fulfilling graduation requirements.

Name:	Date:	Revised: 10/1/2021

Eastern in 4 Notes

A degree has GPA, Residency, Major, LAC, Foreign Language, University Writing, and Upper-level requirements.

Minimum 120 credits required to graduate. If you have unfilled space, fill with "Elective."

Either Tier I or Tier II must be completed with a Lab course.

Major Specific Notes

Students must earn a C or better in all 300/400 level mathematics courses or a 2.3 GPA in all 300/400 level mathematics courses is required.

Math majors may not use any internships to fulfill MAT elective requirements. Students may take CSC 202 or CSC 210 as an elective.

Students completing the ELE option may use EDU 411 as an elective. Double majors in MAT/EDU do not take MAT139P/MAT140.

LAC Requirements

Shaded blue box indicates course may count for major requirement and the LAC. Check Degree Evaluation.

In plan	Course	Title	Requirement	Credit	Rec. Year	Prerequisite
		LAC Tier I				
	FYI 100	First-Year Introduction	FYI	3	1st	Must take in first 15 credits
	ENG 100/P	College Writing	T1W	3 or 5	1st	Must take in first 30 credits
	MAT 243	Calculus I	T1M	4	1st	
		Health and Wellness	T1HW	2 or 3	1st	Take in first 60 credits
		Arts in Context	T1A	3	1st	
		Literature and Thought	T1LT	3	2nd	
		Historical Perspectives	T1H	3	1st	
		Natural Sciences	T1NS	3 or 4	1st	
		Social Sciences	T1SS	3	1st	
		LAC Tier II				
		Creative Expression	T2CE	3	2nd	T1A or T1LT
		Cultural Perspectives	T2CP	3	2nd	T1A or T1H or T1LT or T1SS
		Natural Sciences	T2NS	3 or 4	2nd	T1NS
	MAT 315	Applied Probability and Statistics	T2IT	4	3rd	MAT 244 or [MAT 243/195 and CSC 202]
		Individuals and Societies	T2IS	3	2nd	T1SS
		LAC Tier III				
	MAT 372	Adv. Math for High School Teaching	T3	3	3rd	See below

Major Requirements

In plan	Course	Title	Requirement	Credit	Rec. Year	Prerequisite
		Mathematics Prerequisite				
	MAT 155/P	Precalculus	Elective	4 or 5	1st	Based on Placement
		Mathematics Major Requirements				
	MAT 230	Discrete Structures	Major	3	1st	MAT 155 or MAT 155P or MAT 195
	MAT 243	Calculus I with Technology	Major/T1M	4	1st	MAT 155 or MAT 155P or Placement
	MAT 244	Calculus II with Technology	Major	4	2nd	MAT 243
	MAT 310	Applied Linear Algebra	Major	3	3rd	MAT 230, MAT 243, MAT 244
	MAT 315	Applied Probability and Statistics	Major/T2IT	4	3rd	MAT 244 or [MAT 243/195 and CSC 202]
	MAT 320	Number Theory	Major	3	2nd	MAT 230
	MAT 340	Calculus III with Technology	Major	4	2nd	MAT 244
	MAT 372	Adv. Math for High School Teaching	Major/T3	3	3rd	MAT 230,244,315,380; One from: 310,340,400,or 420
	MAT 380	Geometry	Major	3	2nd	MAT 230
	MAT 395	History of Mathematics	Major	3	3rd	MAT 380, Pre- or Co-Req. MAT 320
	MAT 400	Abstract Algebra	Major	3	4th	MAT 310, MAT 320, MAT 380
	MAT 420	Real Analysis I	Major	4	4th	MAT 230, 244, 315, and (MAT 320 or MAT 380)
		Concentration Elective	Major	3 or 4	4th	See department for course options

Transfer Courses (ECE, AP), Wintersession Courses, Summer Courses

Subj, Crs#	Title	Requirement	Credits
	Total		0

1st year Fall

Subj, Crs#	Title	Requirement/s	Crs.
		Total	0

1st year Spring

Subj, Crs#	Title	Requirement/s	Crs.
		Total	0

2nd year Fall

Subj, Crs#	Title	Requirement/s	Crs.
		Total	0

2nd year Spring

Subj, Crs#	Title	Requirement/s	Crs.
		Total	0

3rd year Fall

Subj, Crs#	Title	Requirement/s	Crs.
		Total	0

3rd year Spring

Subj, Crs#	Title	Requirement/s	Crs.
		Total	0

4th year Fall

Subj, Crs#	Title	Requirement/s	Crs.
		Total	0

4th year Spring

Subj, Crs#	Title	Requirement/s	Crs.
		Total	0

Grand Credit Total (120 minimum) 0

Congratulations, Graduate!