## **JOINT MATHEMATICS & ECONOMICS MAJOR (EN 28)**

Effective FA19 all majors in the Department of Economics are no longer capped. To become one of our majors, students simply need to select the major using the Major/Minor Tool on TritonLink. All major requirements must be taken for a letter grade and passed with a C- or better, unless otherwise noted. **Students must have a minimum 2.0 major GPA, in order to graduate.** 

Math 20A	<b>LOWER DIVISION MA</b>	TH COURSES:						
Dottion 2: Honors Calculus: Math 31AH	Option 1:							
Math 20D	Calculus: Math 20A	alculus: Math 20A Math 20B Math 20C Math				(formerly 20F)		
LOWER DIVISION ECON COURSES:	<u>OR</u>							
Intro Micro/Macro: Econ 1	Option 2: Honors Calcul	us: Math 31AH_	Math 31BF	H Math 20I	)			
UPPER DIVISION CORE  15 upper-division courses in math and economics, with a minimum of 7 courses in each department  ECON  MATH  1) Mathematical Reasoning: Math 1091  2) Linear Algebra: Math 100A-B OR Math 102 OR Math 170A  3) Math Analysis/Calculus: Math 130 (formerly Math 130A) OR Math 140B OR Math 142B  5) Microeconomics: Econ 100A-B-C  6) Econometrics  Econ 120A OR Math 180A  Econ 120B OR Math 181A-B  Econ 120C  7) Sequence  Econ 110A-B OR Math 171A-B  OR Choose two: Econ 171, 172A, 172B  8) Economics Electives (if needed)  Recommended: Econ 109, 113, 173A-B, 174, 178	LOWER DIVISION EC	ON COURSES:						
15 upper-division courses in math and economics, with a minimum of 7 courses in each department   ECON   MATH	Intro Micro/Macro: Econ	1 Econ 3_						
ECON   MATH	UPPER DIVISION COR	<u> </u>						
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2) Linear Algebra: Math 100A-B OR Math 102 OR Math 170A					<b>ECON</b>		MATH	
3) Math Analysis/Calculus: Math 140A OR Math 142A <sup>2</sup> 4) Differential Equations: Math 130 (formerly Math 130A) OR Math 140B OR Math 142B 5) Microeconomics: Econ 100A-B-C  6) Econometrics	1) Mathematical Reason	<b>ing</b> : Math 109 <sup>1</sup>						
4) Differential Equations: Math 130 (formerly Math 130A) OR Math 140B OR Math 142B  5) Microeconomics: Econ 100A-B-C  6) Econometrics	2) Linear Algebra: Math	100A-B <b>OR</b> Ma	th 102 <b>OR</b> Math 1	70A				
5) Microeconomics: Econ 100A-B-C  A B C  6) Econometrics Econ 120A OR Math 180A A OR A Econ 120B OR Math 181A-B B OR A Econ 120C  7) Sequence Econ 110A-B OR Math 171A-B OR Choose two: Econ 171, 172A, 172B  8) Economics Electives (if needed) Recommended: Econ 109, 113, 173A-B, 174, 178	3) Math Analysis/Calcul	us: Math 140A C	OR Math 142A <sup>2</sup>					
Econ 120A OR Math 180A A OR A Econ 120B OR Math 181A-B B OR A Econ 120C C  7) Sequence Econ 110A-B OR Math 171A-B A B OR A OR Choose two: Econ 171, 172A, 172B  8) Economics Electives (if needed) Recommended: Econ 109, 113, 173A-B, 174, 178  9) Math Electives (if needed)			erly Math 130A) <b>OR</b> I			C	_	
Econ 120C  7) Sequence		Iath 180A			A	OR	A	
7) Sequence	Econ 120B OR Math 181A-B			E	3	OR	A	E
Econ 110A-B OR Math 171A-B OR Choose two: Econ 171, 172A, 172B  8) Economics Electives (if needed) Recommended: Econ 109, 113, 173A-B, 174, 178  9) Math Electives (if needed)	Econ 120C			(				
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9) Math Electives (if needed)	8) Economics Electives (i	f needed)						
	Recommended: E	con 109, 113, 173	8A-B, 174, 178					
			В					
TOTAL COURSES ECON MATH	TOTAL COURSES				ECON		MATH	

## **HONORS**

Students interested in Departmental Honors should meet with a department advisor for information on the requirements.

<sup>&</sup>lt;sup>1</sup> Students completing Math 31CH may substitute a four-unit upper-division mathematics elective for Math 109.

<sup>&</sup>lt;sup>2</sup> When choosing across the Math 140 or 142 series, it is recommended that students take Math 142.