

The **Minor in Mathematics** is designed to enable a student with a significant interest in Mathematics to deepen their knowledge while pursuing a major in another field. While the major will often be in a field that makes significant use of mathematics, such as science or quantitative social science, it may be in any area of study. Students from other Schools/Colleges, such as those from the College of Engineering, who pursue a Minor in Mathematics must abide by the LSA minor policies. Courses used to meet the requirements of a minor may not be taken pass/fail. **All courses for the minor program must be completed with a grade of at least a C-.**

A student must select at least 5 courses, including at least 1 basic course and at least 2 upper-level courses.

*I. Prerequisites** (2 courses) {must be completed with C- or better}*

Instructions	Course(s)	Student Elections (enter your course selections here)
Select one of the following pairs of introductory mathematics courses :	Math 115 & 116 Math 185 & 186 Math 275 & 276 Math 295 & 296 Math 217 & 297 Math 156	1. _____ 2. _____

**** The prerequisite to a Minor in Mathematics is one of the sequences Math 115-116, 175-176, 185-186, 295-296, 217-297, or Math 156. These all provide a thorough grounding in the calculus of functions of one variable. Advanced Placement credits in Math 120 and 121 also fulfill the prerequisite requirement.**

*II. Basic Courses** (1-3 courses) {must be completed with C- or better}*

Instructions	Course(s)	Student Elections (enter your course selections here)
You may choose one of the following Multivariable Calculus courses:	Math 205 Math 215 Math 285	1. _____
You may choose one of the following Linear Algebra courses:	Math 214 Math 217 Math 417 Math 419	2*. _____
You may choose one of the following Differential Equations courses:	Math 216 Math 286	3*. _____

****No more than 3 total courses may be elected from the Basic Courses. Students may elect only one course from each available area (e.g. a student **can elect** both 215 & 217 but **may not elect** both 217 & 417). Engineering students are encouraged to include a linear algebra course in their minor selections.**

III. Upper-Level Courses** (2-4 courses) {must be completed with C- or better}

Instructions		Course(s)				Student Elections (enter your course selections here)
You may choose two to four of the following courses:	Analysis/ Diff. Equations	Math 316	Math 404	Math 452	Math 551	1. _____ 2. _____ 3*. _____ 4*. _____
		Math 351	Math 450	Math 454	Math 555	
		Math 354	Math 451			
	Algebra/ Number	Math 312	Math 412	Math 475	Math 561	
		Math 314	Math 420	Math 493	Math 571	
	Theory	Math 389	Math 471	Math 494	Math 575	
	Geometry/ Topology	Math 431	Math 440	Math 590		
		Math 433	Math 490			
	Applied Mathematics	Math 354	Math 445	Math 466	Math 526	
		Math 371	Math 450	Math 471	Math 547	
		Math 404	Math 454	Math 472	Math 550	
		Math 423	Math 462	Math 511	Math 561	
		Math 425	Math 463	Math 525	Math 563	
					Math 571	
	Discrete Mathematics	Math 310	Math 412	Math 465	Math 561	
		Math 312	Math 416	Math 475	Math 566	
		Math 389	Math 420	Math 481	Math 567	
		Math 403	Math 425	Math 493	Math 582	
	Financial/ Actuarial	Math 423	Math 520	Math 523	Math 524	
		Math 424	Math 525	Math 526		

**A student must select at least 5 courses consisting of at least 1 Basic Course and at least 2 Upper-Level Courses. Course elections must follow these rules:

- No more than one course may be elected from each of the three areas under the basic courses (e.g., a student may elect both Math 433 and Math 490 in the Geometry/Topology area). Other math courses not listed above may be used with permission of a math advisor.
- Per LSA policy, at least 9 credits must be taken in residence.

In all cases, more advanced courses may be substituted with the approval of a math advisor.

Minimum Credits: 15 All courses carry 3 or 4 credit hours and the total number of required credit hours is between 15 and 18.