

MINOR IN MATHEMATICS

Minors offered by SCE

The university policy on minors appears in the "General Information" section of the undergraduate catalog. Students must include the minor in the degree plan no later than achievement of senior status. Minors must be completed as part of a planned degree program prior to graduation. Substitutions in a minor can be initiated by either the major- or minor-granting department, but must be approved by both departments. A minor is displayed on the transcript after graduation but is not displayed on the diploma.

Minors are not required of any students and must not extend beyond the total number of required hours for program completion (120 for most SCE majors; 122 for computer science; 132 for computer engineering). For each minor, students must complete at least 15 hours with at least 9 of those hours drawn from 3000- and/or 4000-level course offerings. All courses for minor credit must be completed with a grade of "C" or above.

Minor in Mathematics (18 hours)

A minor in Mathematics will serve students who wish to follow a related interest or to expand their job prospects. No math education courses or independent study courses will be allowed towards fulfillment of minor requirements.

SCE Requirements	UHCL Course Title	TCCNS*	CODE
Required Courses (6 hours):	MATH 2315 Calculus III (Prerequisite: MATH 2414)		
	MATH 2320 Differential Equations (Prerequisite: MATH 2414) or MATH 2318 Linear Algebra (Prerequisite: MATH 2412 or MATH 2413)		
Elective Courses (9 hours):	MATH 3331 Advanced Calculus (Prerequisite: MATH 2315) MATH 4363 Functions of a Complex Variable (Prerequisite: MATH 2315) MATH 3312 Number Theory (Prerequisite: MATH 2413 and either MATH 3306 or MATH 2318) MATH 4315 Numerical Analysis and Its Applications (Prerequisite: MATH 2315, MATH 2318, MATH 2320 and C/C++ or equivalent) MATH 4325 Theory of Models and Applications (Prerequisite: MATH 2318 and MATH 2320 or equivalent) MATH 4344 Introduction to Probability (Prerequisite: MATH 2414) MATH 4345 Introduction to Statistics (Prerequisite: MATH 4344 or equivalent) MATH 4347 Financial Mathematics (Prerequisite: MATH 4344)		

General Degree Requirements

- Students must complete at least 120 semester credit hours. A minimum of 45 hours of the 120 semester hours must be advanced (3000-4000 level) course work according to the requirements of the respective major.
- Students must complete the University Core Curriculum requirements (refer to Core Curriculum Requirements section of this catalog).
- Students must fulfill the statutory requirements of the Texas State Education Code, including the following:
 - Six hours of U.S. History (three hours may be Texas History).
 - Six hours of Constitutions of the United States and Texas.
- Students must demonstrate writing proficiency by completing nine hours of lower-level (1000-2000 level) and upper-level (3000-4000 level) English composition course credit with a minimum grade of "C-" or better. Some majors may require higher grades in English composition.
- Students must complete at least 25% of the credit hours required for the degree (i.e., 30 semester credit hours for a 120 credit hour program) through instruction offered by UHCL to fulfill the Southern Association of Colleges and Schools (SACS) residency requirements.
- Students must complete the final 30 semester hours of 3000 and 4000 level course work in residence at UHCL.
- Students must complete a minimum of 12 semester credit hours of upper-level (3000-4000 level) coursework in the major in residence at UHCL.
- Students must have a cumulative GPA of 2.000 on course work completed at UHCL with grades of "C" or better on at least 30 hours of resident upper-level work. Grades of "C-" or below cannot be applied toward the 30 hours of resident upper-level work.