

Mathematical Science - Bachelor of Science  
*College of Science and Engineering*

**I. TEXAS CORE CURRICULUM REQUIREMENTS (42 hours)**

Course Name	Status	TCCNS	UHCL
<b>Communication 010 (6 hours) (Grade of C- or higher is required)</b>			
English Composition I		ENGL 1301	WRIT 1301
English Composition II/Intro Prof. Writing		ENGL 1302/ENGL 2311	WRIT 1302/WRIT 2311
<b>Mathematics 020 (3 hours) (Grade of C- or higher is required)</b>			
College Algebra		MATH 1314	MATH 1314
<b>Life &amp; Physical Sciences 030/090 (8 hours)</b>			
Choose <b>one</b> course and lab from your current college's Core Curriculum approved list for this category.		Any 030 coded class and 090 coded class or lab	Any 030 coded class and 090 coded class or lab
Choose <b>one</b> course and lab from your current college's Core Curriculum approved list for this category.		Any 030 coded class and 090 coded class or lab	Any 030 coded class and 090 coded class or lab
<b>Language, Philosophy, &amp; Culture 040 (3 hours)</b>			
Choose <b>one</b> course from your current college's Core Curriculum approved list for this category.		Any 040 coded class	Any 040 coded class
<b>Creative Arts 050 (3 hours)</b>			
Choose <b>one</b> course from your current college's Core Curriculum approved list for this category.		Any 050 coded class	Any 050 coded class
<b>American History 060 (6 Hours)</b>			
United States History I		HIST 1301	HIST 1301
United States History II		HIST 1302	HIST 1302
<b>Government/Political Sciences 070 (6 hours)</b>			
Federal Government		GOVT 2305	POLS 2305
Texas Government		GOVT 2306	POLS 2306
<b>Social &amp; Behavioral Sciences 080 (3 hours) (Grade of C- or higher is required)</b>			
Choose <b>one</b> course from your current college's Core Curriculum approved list for this category.		Any 080 coded class	Any 080 coded class
<b>Component Area Option 090 (4 Hours)</b>			
* Public Speaking, Intro to Speech, or any 090	*	Any 090 coded class	Any 090 coded class
* Learning Frameworks or any 090	*	Any 090 coded class	Any 090 coded class

**II. MAJOR REQUIREMENTS (28 hours) (Grade of C- or higher is required)**

Course Name	Status	TCCNS	UHCL
Pre-Calculus Mathematics		MATH 2412	MATH 2412
Calculus I		MATH 2413	MATH 2413
Calculus II		MATH 2414	MATH 2414
Calculus III		MATH 2315 <b>or</b> 2415	MATH 2315
Linear Algebra		MATH 2318	MATH 2318
Differential Equations		MATH 2320	MATH 2320
Discrete Mathematics		MATH 2305	MATH 2305
Computer Science I		COSC 1336 or 1436	CSCI 1470

\* MATH 2412 or any additional core outside the usual core components will end up satisfying these, check with a UHCL transfer advisor prior to enrolling in the Component Area Option 090 courses. [www.uhcl.edu/academics/advising/transfer/advisers](http://www.uhcl.edu/academics/advising/transfer/advisers)

**Transfer Credit Limit**

UHCL will accept all **70 hours** for the transfer courses listed above toward this particular degree's requirements. Student may transfer to UHCL at any point, the courses listed above are only provided for those who are attempting to maximize course options at their current community college prior to transferring. [www.uhcl.edu/admissions/apply/transfer/how-to-apply](http://www.uhcl.edu/admissions/apply/transfer/how-to-apply)

**This Bachelor's degree is 120 hours.** The remaining course requirements (approximately **50 hours**) to be completed at UHCL for this degree may be viewed in the undergraduate catalog. [www.uhcl.edu/academics/resources/catalog/](http://www.uhcl.edu/academics/resources/catalog/)