

Mechanical Engineering - Bachelor of Science
College of Science and Engineering

I. TEXAS CORE CURRICULUM REQUIREMENTS (42 hours)

Course Name	Status	TCCNS	UHCL
Communication 010 (6 hours) (Grade of C- or higher is required)			
Composition I		ENGL 1301	WRIT 1301
Composition II/Intro Professional Writing		ENGL 1302/ENGL 2311	WRIT 1302/WRIT 2311
Mathematics 020 (3 hours) (Grade of C or higher is required)			
Calculus		MATH 2413	MATH 2413
Life & Physical Sciences 030/090 (8 hours) (Grade of C or higher is required)			
University Physics I & Lab		PHYS 2325/2125 or 2425	PHYS 2325/2125
University Physics II & Lab		PHYS 2326/2126 or 2426	PHYS 2326/2126
Language, Philosophy, & Culture 040 (3 hours)			
Choose one course from your current college's Core Curriculum approved list for this category.		Any 040 coded class	Any 040 coded class
Creative Arts 050 (3 hours)			
Choose one course from your current college's Core Curriculum approved list for this category.		Any 050 coded class	Any 050 coded class
American History 060 (6 Hours)			
United States History I		HIST 1301	HIST 1301
United States History II		HIST 1302	HIST 1302
Government/Political Sciences 070 (6 hours)			
Federal Government		GOVT 2305	POLS 2305
Texas Government		GOVT 2306	POLS 2306
Social & Behavioral Sciences 080 (3 hours)			
Choose one course from your current college's Core Curriculum approved list for this category.		Any 080 coded class	Any 080 coded class
Component Area Option 090 (4 Hours)			
* 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 (33 hours) (Grade of C or higher is required)

Course Name	Status	TCCNS	UHCL
General Chemistry I & Lab		CHEM 1311/1111 or 1411	CHEM 1311/1111
Ordinary Differential Equations		MATH 2320	MATH 2320
Linear Algebra		MATH 2318	MATH 2318
Calculus II		MATH 2414	MATH 2414
Calculus III		MATH 2315	MATH 2315
Introduction to Engineering		ENGR 1201	ENGR 1201
Statics		ENGR 2301	ENGR 2301
Dynamics		ENGR 2302	ENGR 2302
Computing for Engineers		ENGR 2304	ENGR 2304
Electrical Circuits		ENGR 2305	ENGR 2305
Engineering Graphics for Mechanical Engineers		ENGR 1304	MENG 1204

* MATH 2412 or any additional core outside the usual core components may 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

Transfer Credit Limit

UHCL will accept all **75 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

This Bachelor's degree is 127 hours. The admission standards and remaining course requirements (approximately **52 hours**) to be completed at UHCL for this degree may be viewed in the undergraduate catalog. www.uhcl.edu/academics/resources/catalog/