University of Houston ◢ Clear Lake

Computer Science - 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)*			
English Composition I		ENGL 1301	WRIT 1301
English Composition II/Intro to Prof. 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	PHYS 2325/2125
University Physics II & Lab		PHYS 2326/2126	PHYS 2326/2126
Language, Philosophy, & Culture 040 (3 hours)			
Choose **one** course from your current college's core approved list.		Any 040 coded class	Any 040 coded class
Creative Arts 050 (3 hours)			
Choose **one** course from your current college's core approved list.		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 approved list.		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 (28 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
Discrete Mathematics		MATH 2305	MATH 2305
Linear Algebra		MATH 2318	MATH 2318
Calculus II		MATH 2414	MATH 2414
Computer Science I *(Python preferred)*		COSC 1336 or 1436	CSCI 1470
Computer Science II *(Java preferred)*		COSC 1337 or 1437	CSCI 1471
Data Structures		COSC 2336 or 2436	CSCI 2315
Computer Organization and Assembly Language		COSC 2325	CSCI 2331

* 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 **70 hours** for the transfer courses listed above toward this particular degree's requirements. Students 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 122 hours. The 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