

## COMPUTER INFORMATION SYSTEMS, BACHELOR OF SCIENCE

2018-2019 Degree Plans

University Core Requirements (42 Hours)	UHCL Course Title	TCCNS	CODE
Communications (6 hours):	WRIT 1301—Composition I ( <i>Grade must be "C-" or better</i> )	ENGL 1301	010
	WRIT 1302—Composition II ( <i>Grade must be "C-" or better</i> )	ENGL 1302	010
Mathematics (3 hours):	MATH 1325—Business Calculus I ( <i>Grade must be "C-" or better</i> )	MATH 1325	020
Life and Physical Sciences (6 hours):	Choose TWO courses from the core approved list		030
Language, Philosophy, and Culture (3 hours):	Choose ONE course from the core approved list		040
Creative Arts (3 hours):	Choose ONE course from the core approved list		050
U.S. History (6 hours):	HIST 1301—U.S. History I	HIST 1301	060
	HIST 1302—U.S. History II	HIST 1302	060
Government/Political Science (6 hours):	POLS 2305—Federal Government	GOVT 2305	070
	POLS 2306—Texas Government	GOVT 2306	070
Social/Behavioral Science (3 hours):	ECON 2302—Principles of Microeconomics	ECON 2302	080
Component Area Option (6 hours):	COMM 1315—Public Speaking	SPCH 1315	090
	PSYC 1100—Learning Frameworks	PSYC 1100	090
	TWO 1-hr Labs for Life and Physical Science		090

Major Requirements (62 hours)	UHCL Course Title	TCCNS	CODE
<i>Required minimum grade for all Major Requirements is "C-".</i>			
	STAT 3308—Statistics or Computational Statistics		
	MATH 2305—Discrete Mathematics	MATH 2305	
	ACCT 2301—Principles of Accounting I - Financial	ACCT 2301	
	MGMT 3301—Management Theory and Practice		
	DSCI 3331—Quantitative Methods for Management		
	CINF 1370—Introduction to Computer Information Systems		
	CINF 3321—Information Systems Theory & Practice		
	CINF 3331—Business Data Communications		
	CINF 4320—Web Application Development		
	CINF 4324—Modern Systems Analysis and Design		
	CINF 4364—Computer Systems Administration		
	CINF 4388—Senior Projects in Computer Info Systems		
	CSCI 1470—Computer Science I		
	CSCI 1471—Computer Science II		
	CSCI 2315—Data Structures	CSCI 2315	
	CSCI 4333—Design of Database Systems		
	ITEC 4342 or 4313—IT Project Management or Emerging Technology		
	SWEN 4342—Software Engineering		
	WRIT 3312—Written Communication in Business		
	WRIT 3315—Technical Writing		

*Degree plan continued on back page*

**Major Electives (16 hours)***(Required minimum grade for all Major Electives is "C-")*

Approved Business Elective	33xx or 43xx School of Business class , excluding ISAM
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CINF/CSCI elective	33xx or 43xx taken junior/senior year; requires faculty advisor approval
CINF/CSCI elective	33xx or 43xx taken junior/senior year; requires faculty advisor approval
CINF/CSCI/ITEC elective	33xx or 43xx taken junior/senior year; requires faculty advisor approval
CINF/CSCI/ITEC elective	31xx or 41xx taken junior/senior year; requires faculty advisor approval

**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.