

## INFORMATION TECHNOLOGY, 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 1314—College Algebra ( <i>Grade must be "C-" or better</i> )	MATH 1314	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):	Choose ONE course from the core approved list		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 (48 hours)	UHCL Course Title
Required minimum grade for all Major Requirements is "C -".	
	ITEC 1310—Introduction to Information Technology
	ITEC 2313—Scripting I
	ITEC 3312—Scripting II
	ITEC 3335—Database Development
	ITEC 2351—Web Fundamentals
	ITEC 3365—Network Fundamentals
	ITEC 2381—Forensic Fundamentals
	ITEC 3388—Cybersecurity I
	ITEC 4313—Emerging Information Technologies
	ITEC 4342—IT Project Management
	ITEC 4379—Internship or Approved Elective
	ITEC 4388—Senior Projects
	MGMT 3301—Management Theory & Practice
	MGMT 3313—Organizational Communication
	WRIT 3315—Technical Writing
	STAT 3308 Computational Statistics

Note: At most 6 credits may be transferred towards the Major Requirements and IT Specialization. Lower-level credit given for any of the above courses may require students to take additional approved technical electives to satisfy the plan requirements.

Major Electives (12 hours)
12 hours of 3000-4000 ITEC/CSCI or other electives as approved by faculty advisor.

**Specialization Requirements (9 hours)****UHCL Course Title**

*Required minimum grade for all Major Requirements is "C-".*

**Choose one specialization:****Forensic Specialization:**

ITEC 4381—Computer Forensics

ITEC 4382— Registry &amp; Internet Forensics

CRIM 4330—Criminal Investigation

**Web Design and Development:**

ISAM 4331—Introduction to Business Internet Applications Development

ITEC 4351—Web Design

ITEC 4352—Backend Web Design

**IT Management and Administration:**

CSCI/CINF 4364 Computer Systems Administration (required)

**And Choose two classes from:**

ITEC 4335—Database Development and Administration

ITEC 4365—Network Administration

ITEC 4366—Computer Security and Disaster Recovery

**General Electives (9 hours)**

9 hours 2000-4000 level ITEC/CSCI and other electives as approved by faculty advisor.

## 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.