BACHELOR OF APPLIED SCIENCE - INFORMATION TECHNOLOGY

2019-2020 Degree Plans

IMPORTANT: This plan is exclusively available to qualified transfer students. Qualified transfer students must transfer at least 15 hours of Technical Electives.

University Core Requirements:

<table>
<thead>
<tr>
<th>University Core Requirements</th>
<th>UHCL Course Title</th>
<th>TCCNS*</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications (6 hours)</td>
<td>WRIT 1301—Composition I (Grade must be “C-” or better)</td>
<td>ENGL 1301</td>
<td>010</td>
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<tr>
<td></td>
<td>WRIT 1302—Composition II (Grade must be “C-” or better)</td>
<td>ENGL 1302</td>
<td>010</td>
</tr>
<tr>
<td>Mathematics (3 hours)</td>
<td>MATH 1314—College Algebra (Grade must be “C-” or better)</td>
<td>MATH 1314</td>
<td>020</td>
</tr>
<tr>
<td>Life and Physical Sciences (6 hours):</td>
<td>Choose TWO courses from the core approved list</td>
<td></td>
<td>030</td>
</tr>
<tr>
<td>Language, Philosophy, and Culture (3 hours):</td>
<td>Choose ONE course from the core approved list</td>
<td></td>
<td>040</td>
</tr>
<tr>
<td>Creative Arts (3 hours):</td>
<td>Choose ONE course from the core approved list</td>
<td></td>
<td>050</td>
</tr>
<tr>
<td>U.S. History (6 hours):</td>
<td>HIST 1301—U.S. History I</td>
<td>HIST 1301</td>
<td>060</td>
</tr>
<tr>
<td></td>
<td>HIST 1302—U.S. History II</td>
<td>HIST 1302</td>
<td>060</td>
</tr>
<tr>
<td>Government/Political Science (6 hours):</td>
<td>POLS 2305—Federal Government</td>
<td>GOVT 2305</td>
<td>070</td>
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<tr>
<td></td>
<td>POLS 2306—Texas Government</td>
<td>GOVT 2306</td>
<td>070</td>
</tr>
<tr>
<td>Social/Behavioral Science (3 hours):</td>
<td>Choose ONE course from the core approved list</td>
<td></td>
<td>080</td>
</tr>
<tr>
<td>Component Area Option (6 hours):</td>
<td>COMM 1315—Public Speaking</td>
<td></td>
<td>080</td>
</tr>
<tr>
<td></td>
<td>PSYC 1100—Learning Frameworks</td>
<td>PSYC 1100</td>
<td>080</td>
</tr>
<tr>
<td></td>
<td>TWO 1-hr Labs for Life and Physical Science</td>
<td></td>
<td>080</td>
</tr>
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Transfer Technical Electives (15 hours)

Applicants MUST complete 15 hours of technical electives at an institution other than UHCL prior to admission to the UHCL BAS IT program. These 15 hours must be computer-oriented classes. No classes taken at UHCL will count toward these pre-admission technical electives - they must be transfer credit.

Major Requirements (45 hours)

Required minimum grade for all Major Requirements is “C-“.

ITEC 2313—Scripting
ITEC 2351—Web Fundamentals
ITEC 2381—Forensic Fundamentals
MGMT 3301—Management Theory & Practice
STAT 3308 Computational Statistics or MATH 1342 Elementary Stat Methods
ITEC 3312—Scripting II
MGMT 3313—Organizational Communication
WRIT 3315—Advanced Technical Writing
CINF 3321—Information Systems Theory and Practice
ITEC 3335—Database Development
ITEC 3365—Network Fundamentals
ITEC 4313—Emerging Information Technology
ITEC 4342—IT Project Management
ITEC 4379—Internship or Approved Elective
ITEC 4388—Senior Projects

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 (9 hours):

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

Specialization Requirements (9 hours):

<table>
<thead>
<tr>
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Required minimum grade for all Major Requirements is “C -“.

Choose one specialization:

Forensic Specialization:
- ITEC 4381—Computer Forensics
- ITEC 4382—Registry & 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 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 in the UHCL 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.