# BACHELOR OF SCIENCE - INFORMATION TECHNOLOGY

## 2020-2021 Degree Plans

<table>
<thead>
<tr>
<th>University Core Requirements (42 Hours):</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 <em>(Grade must be “C-” or better)</em></td>
<td>ENGL 1301</td>
<td>010</td>
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<td></td>
<td>WRIT 1302—Composition II <em>(Grade must be “C-” or better)</em></td>
<td>ENGL 1302</td>
<td>010</td>
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<tr>
<td>Mathematics (3 hours):</td>
<td>MATH 1314—College Algebra <em>(Grade must be “C-” or better)</em></td>
<td>MATH 1314</td>
<td>020</td>
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<tr>
<td>Life and Physical Sciences (6 hours):</td>
<td>Choose TWO courses from the core approved list</td>
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<tr>
<td>Language, Philosophy, and Culture (3 hours):</td>
<td>Choose ONE course from the core approved list</td>
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<tr>
<td>Creative Arts (3 hours):</td>
<td>Choose ONE course from the core approved list</td>
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<tr>
<td>U.S. History (6 hours):</td>
<td>HIST 1301—U.S. History I</td>
<td>HIST 1301</td>
<td>060</td>
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<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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<td>POLS 2306—Texas Government</td>
<td>GOVT 2306</td>
<td>070</td>
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<tr>
<td>Social/Behavioral Science (3 hours):</td>
<td>Choose ONE course from the core approved list</td>
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<tr>
<td>Component Area Option (6 hours):</td>
<td>COMA 1315—Public Speaking</td>
<td>SPCH 1315</td>
<td>090</td>
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<td></td>
<td>PSYC 1100—Learning Frameworks</td>
<td>PSYC 1100</td>
<td>090</td>
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<td></td>
<td>TWO 1-hr Labs for Life and Physical Science</td>
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<tr>
<th>Major Requirements (48 hours)</th>
<th>UHCL Course Title</th>
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</thead>
</table>
| 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 Technology
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—Advanced 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/CINF courses
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 & Internet Forensics
- CRIM 4330—Criminal Investigation

### Web Design and Development:
- ARTS 2371 Digital Photography or ARTS 3360 Graphic Design
- ITEC 4351—Web Design
- ITEC 4352—Backend Web Design or CINF 4320 Web Application Development

### IT Management and Administration:
- CSCI/CINF 4364 Computer Systems Administration (required)

And Choose two classes from:
- ITEC 4335—Database Administration
- ITEC 4365—Network Administration
- ITEC 4366—Computer Security and Disaster Recovery

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**General Electives (9 hours)**

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

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**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.