## Information Technology B.S.I.T.

### Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A-E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
</tbody>
</table>

### Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 1130</td>
<td>Introduction to Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>IT 1330</td>
<td>Programming for Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>or IT 1430</td>
<td>Web Page Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Programming Sequence**

Complete one of the three programming course sequences below:

- IT 2430 Data Programming I (and) IT 2431 Data Programming II
- IT 2130 Web Application Design and Development I (and) IT 2131 Web Application Design and Development II
- CSCI 1301 Programming Principles I (and) CSCI 1302 Programming Principles II

**Continued Area F requirements:**

- STAT 2231 Introduction to Statistics I 3
- WRIT 2130 Technical Communication 3
- or WRIT 3220 Foundations in Professional and Technical Writing 3

### Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 2530</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>IT 2531</td>
<td>Introduction to Cyber Security</td>
<td>3</td>
</tr>
<tr>
<td>IT 3233</td>
<td>Database Design and Implementation</td>
<td>3</td>
</tr>
<tr>
<td>IT 3234</td>
<td>Systems Acquisition, Design, and Implementation</td>
<td>3</td>
</tr>
<tr>
<td>IT 3133</td>
<td>E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>IT 4530</td>
<td>Senior Capstone Project I</td>
<td>3</td>
</tr>
<tr>
<td>IT 4531</td>
<td>Senior Capstone Project II</td>
<td>3</td>
</tr>
<tr>
<td>IT 3231</td>
<td>Data Communications</td>
<td>3</td>
</tr>
<tr>
<td>or CISM 3134</td>
<td>Data Communications</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1232</td>
<td>Survey of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 1441</td>
<td>Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2130</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>IT 2333</td>
<td>IT Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td>IT 4130</td>
<td>IT Issues and Management</td>
<td>3</td>
</tr>
<tr>
<td>IT 4790</td>
<td>Internship in Information Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 9 credit hours from one of the following Concentration Areas or 9 credit hours of upper division IT courses:

**Web and Mobile**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 3132</td>
<td>Web Software Web Software</td>
<td>3</td>
</tr>
<tr>
<td>IT 5235</td>
<td>Advanced Web Interfaces</td>
<td>3</td>
</tr>
<tr>
<td>or IT 5233</td>
<td>Web and Mobile Security Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

**Information Management**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 4136</td>
<td>Knowledge Discovery and Data Mining</td>
<td>3</td>
</tr>
<tr>
<td>or IT 4137</td>
<td>Knowledge Discovery and Data Mining</td>
<td>3</td>
</tr>
</tbody>
</table>

**Data Analytics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 5135</td>
<td>Data Analytics Data Analytics</td>
<td>3</td>
</tr>
</tbody>
</table>

**CISM 4237 Business Intelligence**

**Network and Data Center**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 4234</td>
<td>Datacenter Management</td>
<td>3</td>
</tr>
<tr>
<td>IT 4335</td>
<td>Network Architecture Network Architecture</td>
<td>3</td>
</tr>
<tr>
<td>IT 5434</td>
<td>Network Security Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

**CyberSecurity**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 3530</td>
<td>Fundamentals of Information Systems Security</td>
<td>3</td>
</tr>
<tr>
<td>IT 4336</td>
<td>Network Security</td>
<td>3</td>
</tr>
<tr>
<td>IT 4337</td>
<td>Ethical Hacking</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Hours (a minimum of 6 credit hours must be upper division)** 11-12

### Other Program Requirements

A minimum grade of “C” is required in all Major Requirements.

### Advisement

CEC Office of Student Services, Room 1208
Allen E. Paulson College of Engineering and Computing
Telephone: (912) 478-4877

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1 IT majors must complete one of the following programming course sequences: (IT 2430 and IT 2431) or (IT 2130 and IT 2131) or (CSCI 1301 and CSCI 1302). The appropriate sequence depends on the student’s Specialization Area. Students should consult with their advisor prior to enrolling in these courses.