Program Coordinator: N. Edwards

The Bachelor of Science in Information Technology (BSIT) curriculum for the GPS/Online BSIT program is built upon the Association of Computing Machinery (ACM) Curricular Model and embodies the goals and outcomes as articulated by the ACM.

Traditional students can elect to complete this program by taking all of their major courses in online format. Once they begin, just as the students on the GPS side do, they will take three (3) five-week courses each semester online in addition to any other courses they might be enrolled in on-ground. Each student elects a four-course track in one of the following areas: Cybersecurity, Network Management, or Information Systems. The track occurs within the last two semesters of the program.

Upon acceptance to the program, students are required to submit their top choices of the three tracks, in order of preference. Tracks are offered dependent upon student demand and every effort will be made to honor the first choice.

The various courses of study provide graduates with the skills and knowledge to fill appropriate professional positions or to pursue graduate study. Courses offer theoretical knowledge and hands-on skill development. ACM guidelines state that students must be able to:

1. Explain and apply appropriate information technologies and employ appropriate methodologies to help an individual or organization achieve its goals and objectives;
2. Manage the information technology resources of an individual or organization;
3. Anticipate the changing direction of information technology, and evaluate and communicate the likely utility of new technologies to an individual or organization; and
4. Understand scientific, mathematical, and theoretical foundations on which information technologies are built.

Technology Requirements
Laptop computer, with minimum of Microsoft Office 2010 (including Microsoft Access) or later, wireless capability, and webcam required. Please note that Microsoft Access is not currently compatible with the Apple operating system.

Student Learning Outcomes
Through the BSIT program’s student learning outcomes, students are prepared to fulfill King’s mission to build meaningful lives of achievement and cultural transformation in classes that focus on ethical computing practices with an emphasis on the protection of sensitive data.

Students will demonstrate the following skills upon graduation:

1. Graduates will demonstrate general knowledge of information technology.
2. Graduates will demonstrate specialized knowledge of track area (Cybersecurity, Network Management, or Information Systems).
3. Graduates will communicate effectively with all stakeholders (academic and workplace).
4. Graduates will recognize the importance of privacy and security in the information technology environment.

**Comprehensive Assessment in BSIT**
All candidates for a degree from King are required to demonstrate competency in their major field. Comprehensive assessment in the Information Technology program allows students to demonstrate competency in information technology theory and practice by means of a portfolio that is presented to department faculty. The portfolio presentation is submitted online during ITEC 3780 at the end of the semester in which the student intends to graduate. Any student who does not meet the requirements of the portfolio will not graduate until the requirements have been met.

**Information Technology Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITEC 2000</td>
<td>Computer Concepts</td>
<td>4</td>
</tr>
<tr>
<td>ITEC 2010</td>
<td>Introduction to Programming</td>
<td>4</td>
</tr>
<tr>
<td>TCOM 2420</td>
<td>Professional Writing for Information Technology</td>
<td>4</td>
</tr>
<tr>
<td>ITEC 2700</td>
<td>Foundations of Information Technology</td>
<td>4</td>
</tr>
<tr>
<td>ITEC 3450</td>
<td>Database Management</td>
<td>4</td>
</tr>
<tr>
<td>ITEC 3460</td>
<td>Systems Analysis</td>
<td>4</td>
</tr>
<tr>
<td>ITEC 3655</td>
<td>Introduction to Internet Programming</td>
<td>4</td>
</tr>
<tr>
<td>ITEC 3710</td>
<td>Cloud Computing</td>
<td>4</td>
</tr>
<tr>
<td>ITEC 3755</td>
<td>Current Issues in Technology</td>
<td>2</td>
</tr>
<tr>
<td>ITEC 3780</td>
<td>Final Portfolio</td>
<td>2</td>
</tr>
<tr>
<td>ITEC 4990</td>
<td>Comprehensive Assessment</td>
<td>0</td>
</tr>
</tbody>
</table>

**Total** 48 s.h.

**Note:** ITEC 2700 Foundations of Information Technology is offered to students who do not have prior information technology (IT) or who desire to update current fundamental IT skills. ITEC 2700 is not required for the BSIT degree and is offered online in a 15-week format.

**Track Requirements**
Students will choose a track in Cybersecurity, Network Management, or Information Systems.
## Cybersecurity Track
ITEC 3760  
Introduction to Cybersecurity .................................................. 4 s.h.
ITEC 3761  
Cybersecurity Policy .............................................................. 4 s.h.
ITEC 3762  
Computer Forensics ............................................................... 4 s.h.
ITEC 3763  
Cybersecurity for Mobile Devices ........................................... 4 s.h.
**Total** .......................................................................................... 16 s.h.

## Network Management Track
ITEC 3500  
Network Management ............................................................... 4 s.h.
ITEC 3510  
Wireless Network Management .................................................. 4 s.h.
ITEC 3520  
Mobile Network Management ..................................................... 4 s.h.
ITEC 3530  
Enterprise & Wide Area Networks ............................................ 4 s.h.
**Total** .......................................................................................... 16 s.h.

## Information Systems Track
ITEC 3500  
Network Management ............................................................... 4 s.h.
ITEC 3760  
Introduction to Cybersecurity .................................................. 4 s.h.

*Choose from the following courses* .............................................. 8 s.h.
ITEC 3510  
Wireless Network Management (4 s.h.)
ITEC 3520  
Mobile Network Management (4 s.h.)
ITEC 3530  
Enterprise & Wide Area Networks (4 s.h.)
ITEC 3761  
Information Security Policy (4 s.h.)
ITEC 3762  
Computer Forensics (4 s.h.)
ITEC 3763  
Information Security for Mobile Devices (4 s.h.)

**Total** .......................................................................................... 16 s.h.