



**Information Technology
Bachelor of Science
Communication, Information, & Design
GPS/Online**

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.

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 choices for the three tracks, in order of preference. Tracks are offered dependent upon student demand; every effort will be made to honor a student's 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.

Technology Requirements

Laptop computer, with minimum of Microsoft Office 2010 or newer (including Microsoft Access), 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 satisfy the requirements of the portfolio will not graduate until the requirements have been met.

Information Technology Core Major Requirements

ITEC 2000	
Computer Concepts	4 s.h.
ITEC 2020	
Introduction to Programming	4 s.h.
TCOM 2420	
Professional Writing for Information Technology	4 s.h.
ITEC 2700	
Foundations of Information Technology	4 s.h.
ITEC 3450	
Database Management.....	4 s.h.
ITEC 3460	
Systems Analysis.....	4 s.h.
ITEC 3655	
Introduction to Internet Programming	4 s.h.
ITEC 3710	
Cloud Computing	4 s.h.
ITEC 3755	
Current Issues in Technology	2 s.h.
ITEC 3780	
Final Portfolio Presentation and Assessment	2 s.h.
ITEC 4990	
Comprehensive Assessment	0 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.
Track 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.....	<u>4</u> s.h.
Track Total	16 s.h

Information Systems Track

ITEC 3500	
Network Management	4 s.h.
ITEC 3760	
Introduction to Cybersecurity.....	4 s.h.
<i>Choose from the following courses.....</i>	<u>8</u> 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	
Cybersecurity Policy (4 s.h.)	
ITEC 3762	
Computer Forensics (4 s.h.)	
ITEC 3763	
Cybersecurity for Mobile Devices (4 s.h.)	
Track Total	16 s.h.

Summary of Total Credits for Information Technology

General Education for GPs/Online	30 s.h.
Core Major Requirement.....	32 s.h.
Track Requirements.....	16 s.h.
Total Major Requirements	48 s.h.
Electives/Minor/Second Major	<u>46</u> s.h.
Total for Bachelor of Science in Information Technology	124 s.h.