ITEC 1555 Web Design and Internet Programming. Topics include an introduction to World Wide Web Consortium (W3C) standard markup languages and services of the Internet. Upon completion students will have knowledge of web design and authoring, style language, accessibility standards, usability standards, interface design, and client-based web programming languages and approach. This course also includes exposure to introductory topics in systems design and project management. .......................................................... 4 s.h.

ITEC 2010 Introduction to Programming. An introduction to computer science: problem solving, algorithm development, and algorithm analysis implemented in a high level, block structured programming language (such as C++). Exposure to system architecture, data structures, and program verification are included. This course is required for upper level computer science courses ......................... 4 s.h.

ITEC 2700 Foundation of Information Technology. An introduction to information technology fundamentals. Includes basic input/output processes, storage, and file management; fundamentals of webpage design; basic networking principles; rudimentary information security; basic database concepts; introductory programming and logic; exposure to systems development and health informatics.......................................................... 4 s.h.

ITEC 3450 Database Management. A study of techniques for designing and maintaining large data bases .......................................................... 4 s.h.

ITEC 3460 System Analysis. Describes the role of the systems analyst in information systems. Presents the concepts of Systems Analysis, Design, and Implementation in the system development life cycle. Considers the current modeling tools of the systems analyst, including Data Flow Diagrams, Entity-Relation Diagrams, Decision Support Systems, and Project Management........... 4 s.h.


ITEC 3510 Wireless Network Management. An overview of wireless networking fundamentals including designing, implementing and managing wireless hot spots and infrastructure with an emphasis on security and data protection................. 4 s.h. Perquisite: ITEC 3500
ITEC 3520 Mobile Network Management. This course provides an overview of cellular telephony and mobile computing devices. Students will research and evaluate available cellular mobile devices and technologies. Security issues associated with mobile computing will be addressed. ................................................................. 4 s.h. Perquisite: ITEC 3500

ITEC 3530 Enterprise & Wide Area Networks. Overview of the protocols, equipment and best practices for Enterprise and Wide Area Networks. Emphasis on structuring and managing networks in large enterprise and organizations requiring multi-site connectivity................................................................. 4 s.h. Perquisite: ITEC 3500

ITEC 3710 Cloud Computing. This course covers cloud computing from an end-user perspective. Students will learn to utilize open source and readily available applications, collaboration tools, and storage options housed on the Internet. The focus of this course is cloud computing from a business or managerial point of view rather than a network or software engineering viewpoint. Students will be exposed to legal, ethical, and privacy issues associated with cloud computing................. 4 s.h.

ITEC 3755 Current Issues in Technology. Capstone seminar dealing with new technologies, ethics, and other issues................................................................. 2 s.h. Co-requisite: ITEC 3780

ITEC 3760 Information Security. This course introduces threats to information resources and appropriate security measurement. Topics include cryptography, identification and authentication, access control models and mechanisms, steganography, Internet security, and intrusion detection and prevention............ 4 s.h.

ITEC 3761 Information Security Policy. This course introduces the concepts of risk assessment, acceptable use and enforcement of information technology security policies. Students will develop a comprehensive information technology security policy using SANS (System Administration, Audit, Networking and Security) guidelines. ................................................................. 4 s.h. Perquisite: ITEC 3760

ITEC 3762 Computer Forensics. Students will investigate computer network intrusions including gathering evidence, chain of custody, detection systems, and incident reporting. This course makes extensive use of hands-on techniques used by computer forensics professionals................................................................. 4 s.h. Perquisite: ITEC 3760

ITEC 3763 Information Security for Mobile Devices. This course covers the unique security issues surrounding mobile devices including cell phones and tablets. Students will explore vulnerabilities and risks and learn to mitigate those risks through a variety of technical and policy measures................................................................. 4 s.h. Perquisite: ITEC 3760
ITEC 3780 Final Portfolio Presentation and Assessment. The purpose of this course is to allow student candidates for the degree of Bachelor of Information Technology to demonstrate their major field achievements through constructing and presenting a final portfolio of their work. Students will be required to deliver the portfolio in the semester that they graduate and give a formal oral presentation in a professional setting. Face-to-face student cohorts will present to peers and a panel of faculty members; online cohorts will be required to upload an online video presentation of their portfolios. The final portfolio will be assessed by the same panel of faculty members. Any student who does not meet the requirements of the assessment of the portfolio will not graduate until the requirements have been met........................................................................................................................................................................... 2 s.h.

Co-requisite: ITEC 3755

ITEC 4990 Comprehensive Assessment. Undergraduate level. All candidates for a degree from King are required to demonstrate competency in their major field. Students with more than one major must demonstrate competency in each of their major fields. Candidates for the degree of Bachelor of Information Technology demonstrate competency by constructing and presenting a portfolio of work completed over the course of the Information Technology program. The portfolio and demonstration is accomplished during the ITEC 3780 Final Portfolio and Presentation course and students must earn a grade of Pass to satisfy the requirements of ITEC 4990................................................................................................................................................. 0 s.h.