INFORMATION TECHNOLOGY

CORE CURRICULUM REQUIREMENTS

Area A: Essential Skills
A1: Two Courses
A2: MATH 1101 or MATH 1111 *(Recommended)*

Area B: Critical Thinking & Communication
B1: One Course
B2: One to Two Courses

Area C: Humanities
C1: One Course
C2: One Course

Area D: Natural Sciences, Mathematics & Technology
D1: Two Sciences & One Labs
D2: MATH 1221 *(Recommended)*

Area E: Social Sciences
E1: One Course
E2: One Course
E3: One Course
E4: One Course

For more detailed information on Core Curriculum requirements related to this major, review the associated Core Curriculum overview sheet or DegreeWorks.

AREA F: LOWER DIVISION MAJOR REQUIREMENTS (27 HOURS)

ITFN 1101:	Foundations of Information Technology
ITFN 1201:	Foundations of Database Design
CSCI 1301:	Computer Science I
CSCI 1302:	Computer Science II
ITFN 2214:	Web Application Development
MATH 1231:	Introductory Statistics
ITFN 1401:	Foundations of Webmaster
ITFN 1502:	Foundations of Network & Security
ITFN 2512:	Intermediate Network Security

UPPER DIVISION MAJOR REQUIREMENTS (27 HOURS)

ITFN 3003:	Professional Development & Ethics
ITFN 3103:	Human-Computer Interaction
ITFN 3112:	Systems Analysis & Design
ITFN 3144:	Informatics Project Management
ITFN 3314 or 3316:	TQ&A in Software Development
ITFN 3601:	Operating Systems
ITFN 4014:	Internship Cooperative
ITFN 4154:	Informatics Integration
ITFN 4433:	Web Integration

FREE ELECTIVES (12 HOURS)

This is an unofficial checklist for the 2018-2019 catalog year degree requirements and are subject to change. Students should refer to the academic catalog for specific requirements.

MAJOR CONCENTRATION – SELECT ONE OF THE FOLLOWING AREAS OF EMPHASIS (9 HOURS)

Database Administration Emphasis (9 hours)

ITDB 4201:	Advanced Database Modeling
ITDB 4202:	Database Applications
ITDB 4203:	Database Administration & Architecture

Networking & Security Emphasis (9 hours)

ITNW 4501:	Network Planning & Design
ITNW 4502:	Secure Networks & Comm. Protocol
ITMM 4433:	Security for E-Commerce

Health Informatics Emphasis (9 hours)

HCMG 3101:	Intro to Health Systems Management
HCMG 3340:	Healthcare Information Technology
HCMG 3101:	Health Care System

SPECIAL NOTES

- Take MATH 1221 in Area D2 and MATH 1231 for Area F
- Internship is a required course for major
- Take 15 credit hours each semester
- Create a Pre-Advising Sheet before you attend an advising session
- Earn an AASIT (Associate Degree) while completing the BIT program. (Ask the advisor about completing this degree)

Why become a Information Technology Major?

Bachelor of Information Technology

The Bachelor of Information Technology (BIT) is a 120-credit program that immerses students in the latest concepts and practices related to the manipulation, transmission and storage of electronic data. The program offers three concentrations in Database Administration, Networking and Security and Informatics.

The BIT program attracts students seeking to pursue a career in any field related to information technology including but not limited to IT administration, web development and cybersecurity.

Industry Outlook

IT careers can be found in a number of organizations including government, business, education and healthcare.

The US Department of Labor projected in a 2015 outlook report about computer and information technology occupations a growth of 12 percent in the industry that will add 488,500 new jobs between 2014 and 2024.

Career Opportunities

- Computer Networker
- High School Teacher
- IT Support Specialist
- Media Specialist
- Professional Writer
- Programmer
- Project Manager
- Security Management
- Software Development Specialist
- Systems Analyzer
- Systems Designer
- Technical Writer
- Webmaster

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