

## CONNECT & COMMUNICATE

If you're intrigued by the intricate technology that binds computers into networks and connects people with information, then **Computer Networking & Information Technology (CNIT)** is the major for you.

## PROGRAM HIGHLIGHTS

- Gain expertise in designing, implementing and maintaining local area and wide area network systems from industry leaders.
- Get invaluable, real world experience by participating in an internship program: you'll apply the things you've learned in the classroom to actual networks, organizations and people.
- You'll be prepared for the Information Technology workforce, graduate and professional school, or entrepreneurship among other top graduates.
- Explore a wide variety of career opportunities. You can find openings in corporate IT departments, networking equipment vendors, and network or Internet service providers.
- Work in diverse industrial and governmental environments.

## FACULTY

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# ALCORN STATE UNIVERSITY

## DEPARTMENT OF ADVANCED TECHNOLOGIES



## COMPUTER NETWORKING & INFORMATION TECHNOLOGY PROGRAM

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## COMPUTER NETWORKING & INFORMATION TECHNOLOGY

The Computer Networking & Information Technology program is designed to place graduates into positions as networking and application development experts. Graduates of the program are encouraged to consider graduate school as a career development path preferably while working in their area of study.

### WHAT YOU CAN EXPECT

Students majoring in **CNIT** will be required to gain expertise in designing, implementing and maintaining:

- local area and wide area network systems;
- application development and web designing using .NET, VBScript and languages such as VB.NET, C and C++ databases;
- system administration in Windows Server/Professional, UNIX/Linux and IBM environment.

The **CNIT** curriculum program in the Department of Advanced Technologies is a rigorous set of courses aimed at producing high quality engineers and technicians capable of facing challenges of the real world.

Internships and Co-ops will be required and provided during the Fall, Spring, and Summer semesters for students to have practical experiences required by industry.

## CNIT CURRICULUM 2007-2008

### FRESHMEN YEAR

#### FIRST SEMESTER CREDITS (6)

Computer Application Lab-Word Processor	1
Basic Computer Systems Lab	1

#### SECOND SEMESTER CREDITS (4)

Computer Application Lab-Spreadsheet	1
Computer Networking Fundamental	3

### SOPHOMORE YEAR

#### FIRST SEMESTER CREDITS (3)

Routing & Switch Basics	3
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#### SECOND SEMESTER CREDITS (7)

Intro to WAN	3
Applications in Visual Basics	3
Computer Application Lab-Presentation	1

### JUNIOR YEAR

#### FIRST SEMESTER CREDITS (9)

LAN I Design	3
Server Conf & Admin	3
Database Management Systems	3

#### SECOND SEMESTER CREDITS(15)

Advanced Routing	3
Intro to LINUX	3
Internet Programming	3
Database Server Admin	3
Application Development	3

### SENIOR YEAR

#### FIRST SEMESTER CREDITS (9)

Systems Analysis Design	3
Network Security	3
Wireless Technologies	3

#### SECOND SEMESTER CREDITS (3)

Wireless Technologies II	3
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## WE'RE HERE TO HELP

**CNIT** majors will work in diverse industrial and governmental environments which will require critical knowledge, skills, and abilities. The information technology faculty and its advisory council encourage computer networks, information systems, integrated manufacturing, GIS & remote sensing, energy and power systems, and computer science as priority areas.

Modern industrial production operations will require networking professionals to run the array of information technologies which are the key infrastructure supporting their commerce.

If you need additional diversification of your program of study, your advisor will recommend a course from the list of technology course descriptions in the *Description of Courses* section of this catalog.

## INTERNSHIP PROGRAM

All students completing degree programs in the department are expected to pursue graduate studies in a cognate area. Some will enter graduate school immediately; others will work full-time while pursuing graduate studies part-time.

## FOR MORE INFORMATION ▼

Visit [adtech.alcorn.edu](http://adtech.alcorn.edu) to learn more about the Department of Advanced Technologies.