



# TEXARKANA COLLEGE

## Computer Networking | Associate of Applied Science

Dr. Dixon Boyles | Dean of BSS | john.boyles@texarkanacollege.edu | 903.823.3192

### LIST OF COURSES

BCIS 1305-Business Computer Applications  
 CPMT 1311-Introduction to Computer Maintenance  
 ENGL 1301-Composition I  
 GOVT 2305-Federal Government  
 ITCC 1314-CCNA 1: Introduction to Networks  
 ITCC 1344-CCNA 2: Switching, Routing, and Wireless Essentials  
 ITCC 2320-CCNA 3: Enterprise Networking, Security, and Automation  
 ITSC 1307-UNIX Operating System I  
 ITSC 1321-Intermediate PC Operating Systems  
 ITSC 1342-Shell Programming  
 ITSC 2339-Personal Computer Help Desk Support  
 ITSY 1342 Information Technology Security  
 ITNW 1309-Fundamentals of Cloud Computing  
 ITNW 1313-Computer Virtualization  
 ITNW 1345-Implementing Network Directory Services  
 ITNW 1353-Supporting Network Server Infrastructure  
 ITNW 1354-Implementing and Supporting Servers  
 MATH 1314-College Algebra  
 SPCH 1315-Public Speaking  
 Core Creative Arts

YEAR 1	YEAR 2
<b>FALL</b>	<b>FALL</b>
BCIS 1305	ITNW 1309
ITSC 1321	ITNW 1313
CPMT 1311	ITSC 2339
ITCC 1314	ITNW 1353
ITNW 1354	ITCC 2320
<b>SPRING</b>	<b>SPRING</b>
ITNW 1345	ENGL 1301
ITCC 1344	GOVT 2305
ITSC 1307	MATH 1314
ITSC 1342	SPCH 1315
ITSY 1342	Any Core Creative Arts

*Consult the catalog of the four-year institution to which you intend to transfer.*

### LEARNING OUTCOMES/MARKETABLE SKILLS

Communication | Organization | Time Management | Adaptability | Technology Proficiency | Networking | Troubleshooting | Management

### EDUCATIONAL OPPORTUNITIES

B.A. Anthropology | B.A. Economics | B.A. Education | B.A. Government/Political Science / B.A. History

### CAREER OPPORTUNITIES (B.A. OR HIGHER)

Application Developer | Computer Network Instructor | Computer Science Teacher, Postsecondary | Computer Technician | Computer User Support Specialist | Desktop Support Specialist | Help Desk Technician | Network Support Technician | Network Support Analyst | LAN Technician

### HIGH SCHOOL ENDORSEMENTS

Business & Industry | Multi-Disciplinary | Public Service | STEM

### LINKS TO COLLEGES & PROFESSIONAL ORGANIZATIONS:

Stephen F. Austin State University: <http://cosm.sfasu.edu/cs/information-technology-major>  
 Southern Arkansas University College of Business: <https://web.saumag.edu/academics/program/computer-science-computer-technology-option/>  
 Texas A&M-Texarkana College of Business, Engineering, and Technology: <http://www.tamut.edu/Academics/Colleges-and-Departments/CBET/index.php>  
 University of North Texas College of Information Technology: <https://www.unt.edu/pais/insert/ucsit.htm>  
 University of Texas—Tyler: <http://www.uttyler.edu/cs/undergraduate/bs-computer-science.php>  
 Chamber of Commerce: <https://www.chamberofcommerce.com/texas>

*Start Smart. Finish Strong.*

# Computer Networking

Computer networking keeps us connected to each other and the outside world - think email, Internet and office intranets. Businesses need network administrators to build and maintain these vital network systems. That's where you come in. Just about every aspect of our lives depends on computer networks. Networking professionals don't just keep you connected, but they also keep you safe. Companies must be vigilant about safeguarding their information and data from hackers, and it's the network staff's job to keep things secure.

## PROGRAMS AVAILABLE

Associate of Applied Science  
CISCO Networking 1-Year Certificate  
Networking Administrator 1-Year Certificate

## WHAT YOU'LL LEARN (*Varies based on degree/certificate chosen*)

Fundamentals of networking technologies | Routing and switching essentials | Implementing and supporting client operating systems  
Implementing network directory services | Supporting network server infrastructure | Implementing and supporting servers

## TYPICAL JOBS AFTER COMPLETION (*Varies based on degree/certificate chosen*)

Network & Computer Systems Administrator  
Computer Network Architect  
Information Security Analyst

## MEDIAN PAY

\$61,510 per year for network and computer systems administrators in the Texarkana area.

## JOB OUTLOOK

Job opportunities in computer networking are expected to grow by 8% over the next 10 years.

## OTHER INTERESTS

If you're interested in Computer Networking, you may be interested in these other programs in Computer Technology as well:  
Computer Technology & Information Systems | Noncredit Computer Training

## CAREER COACH AND CAMPUS TOURS

Visit [texarkanacollege.edu/careercoach](http://texarkanacollege.edu/careercoach) to take a short Career Assessment quiz to help you determine what career paths may be right for you. You can also use this site to browse the programs that Texarkana College offers to help get you there.

Once you've decided Texarkana College might be a place for you to start, give our Enrollment Services staff a call at (903) 823.3012 or visit [texarkanacollege.edu/tour](http://texarkanacollege.edu/tour) to schedule your campus visit.

## TEXARKANA COLLEGE

2500 N. Robison Rd. | Texarkana, TX 75599  
[texarkanacollege.edu](http://texarkanacollege.edu) | 903.823.3456

TC does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs or activities. The following person has been designated to handle inquiries regarding the nondiscrimination policies:  
Human Resources Director, 2500 N. Robison Rd., Texarkana, TX, 75599 (903) 823-3017 [human.resources@texarkanacollege.edu](mailto:human.resources@texarkanacollege.edu)