



WESTERN ILLINOIS UNIVERSITY

Telecommunications Management

Department of Computer Science, College of Business & Technology

Program of Study

Like all Western programs, studies in Telecommunications Management are based on the broad educational foundation built during your freshman and sophomore years. General Education courses account for approximately one-third of the credit hours required for the degree and include courses in writing, speaking, the humanities, the social sciences, the natural sciences, mathematics, and health sciences.

When people exchange e-mail with business colleagues, search a library database using a web browser on a personal computer, connect to a wireless router in a hotel or classroom, talk to family and friends on a cell phone, make a charge card purchase in a store or at the gas pump, or just surf the Internet from home, they are utilizing telecommunications systems and services. The advancement of telecommunications technology has transformed the way and speed with which individuals communicate and exchange information. Indeed, the use of telecommunications systems and services has profoundly changed our lives.

You will find the Telecommunications Management program rewarding and challenging. The objective of the Telecommunications Management curriculum is to provide students with the theory, tools, technical expertise, and management know-how required to be successful in planning, designing, and managing a telecommunications environment.

Your program in Telecommunications Management will consist of the following core courses: Principles I and II (with the language JAVA), Computer Organization, Data Structures, Local Area Network Management, Wide Area Network Management, Security, Network Performance Analysis, and Distributed Systems. Upon completion of the majority of the core classes, students advance into areas of Web Technologies; Advanced Security; E-Commerce; Unix; Database Systems; and Ethical, Social, and Legal Issues in the Digital World.

Students have the opportunity to take courses in Business Communications, Telecommunications Planning and Management, and Public Administration. Additional courses in mathematics statistics, English, and information systems and decision sciences may be required to complement the students' special interests and career goals.

A minor area is required for the Telecommunications Management major. Your department adviser will help you select courses for a minor that will best complement your special interests and career goals. We especially recommend a minor in one of the College of Business and Technology areas.

Faculty

The most important resource Western can provide to its students is its faculty. The Telecommunications Management faculty is well-prepared to give you the education you want and deserve. You will find senior professors working with freshmen. You will find Ph.D. faculty from the finest institutions dedicated to providing the best possible instruction in the classroom.

Scholarships

Detailed information on scholarships is available from the department advising office, (309) 298-1619; Western's Scholarship office, (309) 298-2001; or on the Web at wiu.edu/Scholarship.

HIGHER VALUES IN HIGHER EDUCATION

Student Activities

We strongly believe there is much more to education than bookwork and labwork, though these are important. We advise our students to become involved in other activities such as music, theatre, intramural sports, the student newspaper, student government, and, of course, the Computer Science Association (CSA). CSA is one place where you will be welcomed by others with similar interests and where you can learn about the latest advances through field trips and special presentations. We feel it is a vital part of your total education. Western's Computer Science department also hosts a chapter of the National Honorary Society for the computing and information disciplines, Upsilon Pi Epsilon. This society provides special recognition to outstanding Telecommunications Management majors.

Computer Facilities

At Western, you will have access to a large IBM mainframe and SUN computers, and we have large laboratories of the latest microcomputers and networking equipment. Our access to computing equipment and software is as good as any university in the United States. It is our goal to give you experience on a variety of computing equipment and its associated software so that you can judge which type of resources are best suited for the problems you encounter during your working career.



After College

The demand for telecommunications management specialists grows every year. As a graduate in Telecommunications Management from Western, you will be well-prepared for a variety of career opportunities in every conceivable type of commercial, industrial, governmental, research, and educational organization. Graduates will have job titles such as network analyst, network designer, network administrator, local area network specialist, distributed systems analyst, telecommunications analyst, and systems security administrator.

For More Information

For more details on the Telecommunications Management major, visit wiu.edu/computerscience.

Leslie F. Malpass Library

The library and its five branches house more than one million cataloged volumes, 3,300 current journal subscriptions, and 25 foreign and domestic newspapers. In addition, the library provides computer access to resources worldwide, including 800 other Illinois libraries with more than 22 million volumes. When necessary, the interlibrary loan program can have materials in students' hands within a day or two.

Campus Visits

The Admissions Reception Center (Sherman Hall 115) is open most weekdays from 8:00 am to 4:30 pm when the University is in session. Group information sessions are available at 10:00 am and 1:00 pm, and campus tours are conducted at 11:00 am and 2:00 pm daily. Individual appointments with an admissions counselor, advisers/faculty, or a financial aid adviser may be arranged during the week. The Reception Admissions Center is open from 9:30 am to 1:00 pm most Saturdays when the University is in session. A group information session is available at 10:00 am, and a campus tour is conducted at 11:00 am. An individual appointment with an admissions counselor may be arranged. You may schedule your visit or tour online at admissions.wiu.edu by selecting "Visit Campus." You may also schedule a visit, tour, or individual appointment by calling toll free (877) PICKWIU [742-5948] or (309) 298-3157, or by e-mailing admissions@wiu.edu.

**wiu.edu/
computerscience**

Department of Computer Science

Stipes Hall 447 • Western Illinois University
1 University Circle • Macomb, IL 61455-1390
Phone: (309) 298-1452



**WESTERN
ILLINOIS
UNIVERSITY**