



WESTERN
ILLINOIS
UNIVERSITY

WESTERN ILLINOIS UNIVERSITY
BACHELOR OF SCIENCE DEGREE IN
TELECOMMUNICATIONS MANAGEMENT

2008-2009

- **GENERAL EDUCATION - 43 hours minimum**

Basic Skills - 9 hours minimum including English 180, 280 (must have C grade); Communications 241 - 3 hours

Natural Science/Math - 10 hours minimum

Science Lab - 4 semester hours

Math - A Math placement evaluation or test is given prior to your first registration to determine the level in which you begin your math sequence. You must earn a C grade in each Math class to progress to the next level.

Social Sciences - 9 hours, 2 departments

Humanities - 9 hours, 2 departments

Human Well Being - 3 hours, 2 departments

Multicultural - 3 hours

- **TELECOMMUNICATIONS MANAGEMENT MAJOR CURRICULUM - 45 hours**

Core

CS 211 – Principles of Computer Science I (must be in Math 100 or higher and register for CS 212 also)

CS 212 - Basics of JAVA

CS 214 - Principles of Computer Science II

CS 310 - Computer Organization I

CS 350 - Data Structures I

CS 395 – Computer Privacy and Security

TM 321 - Local Area Network Management

TM 322 - Wide Area Network Management

TM 432 - Network Performance Analysis

TM 434 - Distributed Systems

***A 'C' or better must be made in CS 211, 212, 214, and 350 before advancing to the next course in the core*

Other Department Courses –18 hours - Choose from TM 422 - Web Technologies, TM 436 – Advanced Security, TM 490 - Telecommunications Management Seminar, TM 495 – Telecommunications Internship, TM 499 – Independent Study, CS 371 - Unix, CS 400 - Computer Organization II, CS 415 - E-Commerce, CS 440 - Ethics in Information Technology, CS 470 - Database

- **COGNATE REQUIREMENTS - approximately 19 hours**

MATH 137 - Applied Calculus I

MAT 255 – Discrete Structures

STAT 171 – General Elementary Statistics

Political Science – POLS 300 – Introduction to Public Administration

Information Systems – IS 320 – Business Communication

Information Systems – IS 344 – Telecommunications Planning and Management

- **Minor – 16-24 hours**

*For additional information, please contact the academic advisor Jean Bird, 1 University Circle, Macomb, IL 61455
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