



The Bachelor of Science (BS) in Information Technology (IT) Management program provides a solid foundation for students who wish to pursue careers as information technology professionals. Curriculum encompasses domains such as networking, security, architecture, design, and web technologies, while offering principles of management and leadership. This program addresses how technology impacts the global business environment and prepares students to become IT professionals who use technology to meet business needs.

For gainful employment disclosures about this program, visit <http://west.edu/content/dam/westedu/gainful-employment/ITM/11.0103-Gedt.html>

## Program Learning Outcomes

1. Examine the role of technology and the IT professional in an organization.
2. Identify challenges and opportunities regarding information technology governance.
3. Determine the benefits of information technology in global, national, and local enterprises.
4. Examine the impact of IT policies and processes on an organization.
5. Analyze IT resources, trends, and external and internal services that satisfy the needs of an organization.
6. Assess the various development methodologies used to deploy and maintain organizational systems.

## Required Course of Study

### General Education Core Requirements - 51 credits

*Elective Courses - 21 credits*

*Major Requirements - 45 credits*

*Capstone - 3 credits*

*Credits Required for Degree: 120*

## Major Course Descriptions

*Major Requirements – 45 credits*

### **INB 200 International Business**

This course surveys the financial, socioeconomic, legal, and political factors involved when expanding a business

outside national borders. Students analyze the interrelationships between people and cultures when making business decisions and completing transactions. Topics include international trade theories, operational strategies, domestic and foreign economies, and foreign market analysis.

### **IT 319 Computer Networking**

This course introduces concepts information technology networking. Students learn about basic local and wide-area networks, the open system interconnect model, and network security.

### **IT 322 Database Management**

This course is an overview of database design and management methodologies. Students are introduced to database management systems from a business perspective.

### **IT 323 Systems Engineering Methodologies**

This course explores system engineering methodologies for the development of information systems. Students will be presented with principles and concepts that emphasize each phase of the systems development life cycle.

### **IT 360 Quality Assurance and Configuration Management**

This course focuses on the role of quality assurance and configuration management to meet customer satisfaction as well as project and organization quality goals. Students examine best practices, project management processes, standards, and risk.

### **IT 423 Software Engineering Methodologies\***

This course explores software engineering methodologies for the development of information systems. Students will be presented with principles and concepts that emphasize each phase of the software development life cycle, including approaches to software development.

\*Prerequisite: IT 309 and IT 323

### **IT 439 Business Planning for IT Systems\***

This course focuses on the interrelationship between information technology (IT) and business functions. Students learn the process of acquisition and disposition of IT systems.

\*Prerequisite: IT 423

### **IT 440 Project Planning and Execution\***

This course concentrates on the planning and execution of project management. Students become familiar with project management tools and learn the importance of team member participation.

\*Prerequisite: IT 439 for BS ITM students

### **IT 470 Issues and Trends in Information Technology**

This course explores innovative applications of current technologies. Students focus on current concepts including gaps in technology that impact business and society.

### **MGT 240 Organization Theory and Behavior**

This course introduces the principles, philosophies, and theories of management and organizational behavior as used in both public and private organizations. Students explore these ideas through realistic case studies, group exercises, and self-assessment. Themes include organization theory, individual and group dynamics, conflict resolution, and decision making.

### **MGT 252 Political, Legal, and Ethical Issues in Business**

This course explores how government policies and regulations affect business management, business transactions, and personnel management. Students explore how to balance corporate and community commitments while maintaining a successful business model. Subjects include key legal functions affecting business operations, ethical business practices, contracts, management of business property (personal and intellectual), product liability, labor relations, and personnel management.

### **MGT 337 Supervision and Leadership**

This course demonstrates the difference between being a manager and being a transformational leader. Students engage in self-analysis to identify and implement leadership strengths, as well as overcome weaknesses. Topics include effective management styles, communication strategies, motivation techniques, and labor relations.

### **MGT 370 Operations Management\***

This course provides a thorough investigation of how an organization manages its activities, decisions, and responsibilities. Students learn quantitative methods for achieving success as an operations manager, as well as

within an operating department. Topics include corporate and operational strategies, scheduling, forecasting, logistics, and customer satisfaction.

\*Prerequisite: RES 211

### **MGT 452 Managerial Communication**

This course addresses basic communication theories and examines the key concepts that contribute to effective managerial and organizational communication. Students engage in activities designed to improve professional writing, speaking, and presentation skills.

### **MGT 477 Entrepreneurship and Intrapreneurship**

This course fosters the development of an entrepreneurial perspective within any organization. Students will learn to evaluate entrepreneurial and intrapreneurial opportunities, with a focus on understanding the critical factors necessary for successful launch and growth of a new venture.

## **Capstone Course Descriptions**

*Capstone – 3 credits*

### **IT 485 Information Technology Capstone\***

This course combines the knowledge, business, and technical skills learned through the undergraduate IT program. Students will demonstrate mastery of university and program competencies, as well as the ability to succeed in individual, collaborative, and leadership roles. Subjects include leadership, management, communications, innovation, problem solving, technology, and ethics specifically grounded in the enterprise IS environment. Students will approach the cumulative work from a project-management perspective and include significant aspects of signature assignments from prior IS course work.

\*Prerequisite: 114 credits