SCHOOL OF ENGINEERING AND COMPUTING

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY MANAGEMENT

Manage, Secure, and Support IT Environments

Information technology is the backbone of communication today. The need for information technology management continues to expand in all sectors, both private and public. The Bachelor of Science in Information Technology Management from National University prepares students for careers in consulting, marketing and sales support, customer service and support, information and library science, and general management. The dual focus on information technology management concepts and practical skills ensures that graduates are prepared to support the information needs of today and tomorrow.

Program highlights:

- Entire program can be completed online
- Learn to set up and integrate systems for specific business needs
- Gain skills needed for management and administration of LAN and wireless networking environments
- Explore and apply best practices in information technology management and security

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MAJOR IN INFORMATION TECHNOLOGY MANAGEMENT

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The Bachelor of Science in Information Technology Management (BSITM) program is designed to meet the increasing demand for the management of information technology in consulting, marketing and sales support, customer services and support, information security and management, and management of IT projects. This program is designed to provide students with an understanding of basic information technology management concepts and practical technology skills.

Graduates are prepared for positions in the areas:

1. Client and Server Management, Administration, and Technical Support

2. IT Project Management Associate

3. Information Security Analyst

4. Network/Systems Administrator and Support Specialist

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Demonstrate the ability to set up a networking environment with proper user authentication to preserve user privacy and confidentiality.

- Demonstrate the ability to plan an integrated information technology system that involves applications to satisfy specific business needs and processes.

- Design, implement, manage and administer a secured network environment.

- Design, develop, administer, and support a relational database management system.

- Evaluate best practices in information technology management and security to enhance business processes.

- Describe ethical, professional, and legal challenges that confront an IT professional.

- Develop written documentation and presentations, individually and in collaborative environments, that provide solutions to information technology management challenges.

Degree Requirements

To receive a Bachelor of Science in Information Technology Management, students must complete at least 180 quarter units, 76.5 of which must be completed at the upper-division level, 45 of which must be taken in residence, including the capstone project classes (ITM 490 A/B/C) and a minimum 70.5 units of the University General Education requirements. In the absence of transfer credit, students may need to take additional general electives to satisfy the total units for the degree. Students should refer to the section on undergraduate admission procedures for specific information on admission and evaluation. All students receiving an undergraduate degree in Nevada are required by state law to complete a course in Nevada Constitution.

Prerequisites for the Major

(3 courses; 13.5 quarter units)

Students should be computer literate and have a basic understanding of computer usage.

ITM 200	Computer Hardware & Software
ITM 205	Office Productivity Software
ITM 230	Computer Network Overview

Requirements for the Major

(16 courses; 72 quarter units)

ITM 320	Information Technology Management
ITM 325	IT Project Management *Prerequisite: ITM 320*
ITM 340	IT Clients Using MS Windows
ITM 345	IT Servers Using Linux
ITM 420	Local Area Network Management
ITM 430	Wide Area Network Management *Prerequisite: ITM 420*
ITM 434	Wireless LAN Administration
ITM 435	Wireless LAN Security *Prerequisite: ITM 434*
ITM 438	Role of Programming in IT
ITM 440	Database Concepts & Data Model
ITM 450	DB Processing & Administration *Prerequisite: ITM 440*
ITM 470	Information Security Management
ITM 475	Information Security Technology *Prerequisite: ITM 470*
ITM 490A	Info Technology Project I *Prerequisite: ITM 325; 10 of the core ITM courses must be successfully completed. Must be taken consecutively with ITM490B.*
ITM 490B	Info Technology Project II *Prerequisite: ITM 490A with a minimum grade of S Must be taken consecutively with ITM490A.*
ITM 490C	Info Technology Project III *Prerequisite: ITM 490B with a minimum grade of S Must be taken consecutively with ITM 490B*