WESTCLIFF UNIVERSITY
College of Business

Bachelor of Science in Information Technology

Find your path and secure your career in one of the fastest growing industries in the U.S.

The Bachelor of Science in Information Technology (BSIT) program offered by Westcliff University is an interdisciplinary program from a holistic perspective, with an emphasis on information technology. The program is designed to provide pathways for students who want to pursue careers in the growing field of Information Technology. The students pursuing this program will gain the necessary skills to solve challenges through data analysis and the use of Information Technology.

BSIT Program Overview

Required Courses

In addition to completing 60 credit hours of general education and business courses, the students must complete 60 credit hours in IT program core courses:

CORE REQUIREMENTS (48 CREDIT HOURS)

- BSIT 315   Information Technology Essentials
- BSIT 320   Introduction to Statistical Analysis
- BSIT 325   Applied Statistics for Optimization
- BSIT 330   Discrete Mathematics
- BSIT 335   Web Page Design and Development
- BSIT 340   Data Programming Concepts
- BSIT 345   Data Programming Languages
- BSIT 350   Database Design & Management Systems
- BSIT 355   Technical Writing and Communication
- BSIT 360   Introduction to Data Communication Networks
- BSIT 365   Computer Networking Concepts, Admin & Security
- BSIT 370   Business Intelligence Tools & Technologies
- BSIT 375   Knowledge Discovery and Data Science
- BSIT 385   Data Visualization
- BSIT 380   Big Data Analytics
- BSIT 390   Capstone Project

Total 120 credit hours

Transfer credit hours accepted based on approval.

BSIT ELECTIVES (12 CREDIT HOURS)
CHOOSE 4 COURSES FROM THE 10

- BSIT 327   Computer Hardware Fundamentals
- BSIT 328   System Analysis and Design
- BSIT 329   Artificial Intelligence
- BSIT 332   Software Quality Assurance
- BSIT 333   Mobile Computing and Programming
- BSIT 341   Calculus I
- BSIT 342   Linear Algebra for Data Science
- BSIT 343   Advanced Programming using Python/Java
- BSIT 344   Advanced Web Programming and App. Development
- BSIT 348   Cloud Computing

Key Learning Outcomes

- Apply, configure, and manage IT technologies
- Identify and gather user requirements to design user-friendly interfaces
- Utilize data to help businesses gain insights to make better decisions
- Apply IT concepts and strategies to solve real-world problem
- Evaluate current and emerging technologies

Career Opportunities

- Network Administrators
- Information Technology (IT) Manager
- Computer Network Architect
- Business Intelligence Analyst
- Web Developer

Why Westcliff University for BSIT?

WSC Senior College and University Commission
Regional Accreditation

DEAC DISTANCE EDUCATION ACCREDITING COMMISSION
National Accreditation

Affordable Tuition

No SAT

Live Virtual Sessions 100% Online Program

10:1 Student:Faculty

Flexible Schedule

Dedicated Career Services Team

General Education

The General Education courses at Westcliff are structured to provide a coherent, integrated introduction to the breadth of knowledge students will need to help them develop intellectual skills that will enhance their professional, civic, and personal life for years to come. Students will learn how to analyze the world around them from different perspectives, how to communicate their ideas and understand the ideas of others, how to solve problems, and how to apply their knowledge to real-world projects.

Westcliff University offers 20 General Education courses, which students may take to fulfill the 60 credit hour requirement. Should students wish to transfer in General Education credits from another accredited school, the following requirements must be met:

Arts and Humanities
2 equivalent courses (6 credits hours) required

- ART   100   Art History
- HUM   165   Human Geography
- HUM   170   Human Civilizations
- HUM   180   World Religions

Communications
1 equivalent course (3 credits hours) required

- COM   115   Introduction to Communication
- PHL   190   Critical Thinking and Problem Solving

English
2 equivalent courses (6 credits hours) required

- ENG   110   Academic English
- ENG   120   English Composition
- LIT   121   World Literature

Math
1 equivalent course (3 credits hours) required

- MAT   135   College Algebra

Natural Sciences
1 equivalent course (3 credits hours) required

- BIO   260   General Biology
- SCI   275   Introduction to Ecology
- SCI   280   Environmental Science
- GEO   290   Physical Geography

Social and Behavioral Sciences
3 equivalent courses (9 credits hours) required

- HIS   141   World History
- POL   205   International Relations
- POL   210   American Government
- POL   220   World Politics
- PSY   235   Introduction to Psychology
- PSY   240   Human Development
- SOC   245   Introduction to Sociology