

Information Technology (BSIT), Bachelor of Science Degree

Computer Information Technology encompasses all aspects of computing technology. A Bachelor's degree will apply modern technologies to the areas of programming to traditional, web and mobile applications, and will cover such areas as networking, information security and databases. The courses also prepare the student to take on many of the industry's top certifications. This bachelor's degree prepares the student to pursue a wide range of IT positions such as database and system administrators, web and application developers, network analyst, security analyst, security risk assessor and IT implementation specialists.

GRADUATION REQUIREMENTS (A MINIMUM OF 120 CREDITS)

	Credit Hours
General Education Requirements (39 credits)	
COMMUNICATIONS (9 CREDITS)	
ENC 1101 English Composition I **	3
ENC 1102 English Composition II **	3
SPC 1017 Fundamentals of Oral Communication	3
	Credit Hours
HUMANITIES (6 CREDITS)	6
	Credit Hours
BEHAVIORAL / SOCIAL SCIENCE (6 CREDITS)	
ECO 2013 Principles of Macroeconomics	3
	3
	Credit Hours
NATURAL SCIENCE (7 CREDITS includes 1 LAB)	7
	Credit Hours
MATHEMATICS (7 CREDITS)	
MAC 1105 College Algebra I **	3
STA 2014 Introduction to Statistics**	4
	Credit Hours
COMPUTERS (4 CREDITS)	
CGS 1030c Introduction to Information Technology	4
SLS 1501 College Study Skills	0
	Credit Hours
CORE REQUIREMENTS (42 Credits)	
CGS 2540 Database Management Systems	4 MOS
CGS 1820c Web Programming I	3 MCSA/MCSD
CGS 3092 Cyber Ethics	3
CIS 2202 Introduction to Computer Forensics	3
CIS 4526 Project Management in IT	3
CNT 2000c Networking Essentials Network+	3
CNT 2401c Network Security	4 Security+
COP1250c JAVA Programming I	3 MCSA/MCSD
CTS 1651c LAN Switching and Wireless Networking	4
CTS 2111 Operating Systems (LINUX)	3
CTS 2151c A+ Computer Maintenance And Repair I***	3 A+
CTS 2152c A+ Computer Maintenance And Repair II ***	3 A+
ISM 3011 Management Information Systems	3

CONCENTRATIONS

Cyber Security (18 CREDITS)

CIS 3535	Principles of Information Security	3	CISSP
CIS 3363	Cybersecurity Fundamentals	3	CSA+
CIS 4204	Ethical Hacking	3	CEH
ISM 4320	Management of Information Security	3	CISSP
CGS 4812	Disaster Recovery	3	
CNT 2404	Intrusion Prevention and Detection	3	

Computer Forensics (18 CREDITS)

CIS 3382	Investigating Hard Disk, Files and OS	3	CHFI
CIS 3391	Computer Forensics Investigation Procedures	3	CHFI
CIS 4389	Investigating Data and Image Files	3	CHFI
CNT 2414	Investigating Cybercrime	3	CHFI
CNT 2510	Investigating Wireless Networks and Devices	3	CHFI
CTS 2315	Investigating Network Intrusions	3	CHFI

Programming and Database Management Concentration (18 CREDITS)

CGS 2821c	Web Programming II **	3	MCSA/MCSD
COP 2805C	JAVA Programming II	3	MCSA/MCSD
COP 4594	Advanced .NET Framework Programming **	4	MCSA/MCSD
CTS 2433c	SQL Server **	4	MCSA
ISM 3212	Advanced Database Management	4	OCA 11g

Suggested Elective Credits (21 CREDITS)

CGS 1500c	Word Processing	3	
CGS 1522c	Microsoft Office Specialist/PowerPoint	3	
COP 2010	Visual Basic Programming I	4	
CTS 2155c	IT Help Desk Support	4	
CTS 2300c	Client Operating System	4	MCSA
CTS 2302c	Active Directory Service	4	MCSA
CTS 2328c	Server Installation, Configuration and Admin.	4	MCSA
CTS 2650c	Routing Protocols and Concepts	4	CCENT

All Credit Courses from within this division or any other division can be used as Suggested Electives.

NOTE: A total of up to 60 credits may be transferred from the General Education and/or Elective courses taken during a degree program. FNU reserves the right to transfer the appropriate courses.

*General Education Component (see page 219)

**This course has prerequisites; check course descriptions.