

BACHELOR OF SCIENCE - INFORMATION TECHNOLOGY

UNIVERSITY CORE (44 CREDITS)

Foundation Requirements (21 – 30 Credits)		Credits
ENG 110	(Can test out)	0 – 3 _____
ENG 120	Critical Writing	4 _____
ENG 201	Writing in the Disciplines	3 _____
COM 200	Public Speaking	3 _____
MAT 104	Finite Math	3 _____
Approved Lab Foundation Science		3 – 4 _____
Approved Computing CIT 110*/CS 121/CIS 101		3 – 4 _____
Two language courses selected from: ARA/CHI/FRE/JPN/GRK/ITA/LAT/RUS/SPA/SPE		0 – 3 _____
_____		0 – 3 _____

Areas of Knowledge (AOK) (24 – 25 Credits)		
Western Heritage (AOK 2) (2 Courses)		3 _____
_____		3 _____
World Traditions & Cultures (AOK 3) (2 Courses)		3 _____
_____		3 _____
Humanistic & Creative Expressions (AOK 4) (2 Courses)		3 _____
_____		3 _____
Analysis of Human, Social & Natural Phenomena (AOK 5) (2 Courses)		4 _____
MAT 117 Elementary Statistics		3 _____

REQUIRED LEARNING EXPERIENCES

Civic Engagement and Public Values

One Civic Engagement (CE) course

Learning Community Requirement

One Learning Community (LC) course

Writing Enhanced Course Requirement

Two Writing Enhanced (W) courses

- _____
- _____

*NOTE: ENG 105 C & D, MAT 100 and MAT 103 cannot be used toward the 120 credits for graduation.

*NOTE: CIT 110 is recommended for your major

UNV 101 Freshman Seminar is REQUIRED for all new Freshman.

Entering freshman are required to take one Civic Engagement course, one Learning Community and two Writing Enhanced Courses.

**Students must earn a grade of C or better in each prerequisite core course in order to take subsequent CIT courses.

>><< Course is taken as part of the University Core Requirements.

IT FOUNDATION CORE COURSES (24 – 27 CREDITS)**		Credits
CIT 110	Introduction to Information Technology	0 >><< _____
CIT 211	Introduction to Computer Systems	4 _____
CIT 221	Global Networking Technology	4 _____
CIT 231	Web Authoring & Digital Media	4 _____
CIT 241	Database Management	4 _____
CIT 251	Computer Security Overview	4 _____
CIT471/481	Internship/Capstone	4 _____

IT CAREER FOCUS (10 – 12 CREDITS) (3 COURSE MINIMUM)

Security Focus		
CIT 352	Network & Internet Security	3 _____
CIT 354	Computer Forensics	3 _____
CIT 312	Introduction to Programming I	4 _____
CIT 356	Operating Systems Concepts	4 _____

Web & Digital Media Focus		
CIT 332	Multimedia & User Interface Design	4 _____
CIT 322	Distributed Computing	4 _____
CIT 344	Project Management	4 _____

Networking Focus		
CIT 312	Introduction to Programming I	4 _____
CIT 352	Network & Internet Security	3 _____
CIT 322	Distributed Computing	4 _____

Information Management Focus		
CIT 342	Systems Analysis & Design	4 _____
CIT 344	Project Management	4 _____
CIT 348	Data Mining	4 _____
CIT 346	Database Programming	4 _____

Computer Forensics Focus		
CIT 361	Forensic Investigation	4 _____
CIT 363	Computer Forensics, Cyber Law & Evidence Admissibility	4 _____
CIT 365	Mobile Device Forensics	4 _____

Software Development Focus		
CS 113	Mathematic Structures for Computer Science	4 _____
CS 121/CIT 312	Introduction to Programming I	4 _____
CS 122/CIT 314	Introduction to Programming II	4 _____
CIT 342	Systems Analysis & Design	4 _____

INTERDISCIPLINARY FOCUS (9 CREDITS)

Choose 1 focus area or design a 3 course sequence at 200 level or higher from any discipline

_____	3 – 4 _____
_____	3 – 4 _____
_____	3 – 4 _____

OPEN ELECTIVES (18 – 33 CREDITS)*

UNV 101	1 _____
_____	3 _____
_____	3 _____
_____	4 _____
_____	4 _____
_____	4 _____

ID Number _____
Name _____
Advisor _____

**BACHELOR OF SCIENCE INFORMATION TECHNOLOGY
NYC COURSE SEQUENCE**

FIRST YEAR

FALL SEMESTER	SPRING SEMESTER
UNV 101 Learning Community	CIT 211
ENG 110	MAT 104 or MAT 117
CIT 110	ENG 120
MAT 103 or MAT 104*	CIT 221
	AOK 2, AOK 3, AOK 4 or AOK 5
16 credits	18 credits

SECOND YEAR

FALL SEMESTER	SPRING SEMESTER
CIT 231 or CIT 241	CIT 231 or CIT 241
CIT 251**	Lab Science
MAT 117 or AOK 2, AOK 3, AOK 4 or AOK 5	Language 2
Civic Engagement	AOK 2, AOK 3, AOK 4 or AOK 5
Language 1	AOK 2, AOK 3, AOK 4 or AOK 5
17 – 18 credits	16 credits

THIRD YEAR

FALL SEMESTER	SPRING SEMESTER
COM 200	IT Career Focus
IT Career Focus	Interdisciplinary Focus
Interdisciplinary Focus	AOK 2, AOK 3, AOK 4 or AOK 5
AOK 2, AOK 3, AOK 4 or AOK 5	Elective
Elective	Elective
16 credits	16 credits

FOURTH YEAR

FALL SEMESTER	SPRING SEMESTER
IT Career Focus	Elective
Interdisciplinary Focus	Elective
Elective	Elective
AOK 2, AOK 3, AOK 4 or AOK 5	CIT 471 or CIT 481
14 credits	13 credits

*Per placement score

**Course is offered on a rotating schedule

**BACHELOR OF SCIENCE INFORMATION TECHNOLOGY
PLV COURSE SEQUENCE**

FIRST YEAR

FALL SEMESTER		SPRING SEMESTER	
UNV 101	1	CIT 211 Introduction to Computer Systems	4
CIT 110 Introduction to Information Technology	3	Learning Community or AOK	3 – 6
MAT 103 Algebra or MAT 104 Finite Math*	4	MAT 104 Finite Math or MAT 117 Elementary Statistics*	3 – 4
ENG 110 Composition or ENG 120 Critical Writing*	3 – 4	ENG 120 Critical Writing	4
Learning Community or AOK	3 – 6		
14 – 18 credits		14 – 18 credits	

SECOND YEAR

FALL SEMESTER		SPRING SEMESTER	
CIT 231 Web Authoring & Digital Media	4	CIT 221 Global Network Technology	4
CIT 251 Computer Security Overview	4	CIT 241 Database Management	4
Learning Community or AOK	3 – 6	COM 200 Public Speaking or Lab Science	3 – 4
MAT 117 Elementary Statistics	4	ENG 201 Writing in the Disciplines	3
Second Language* or Civic Engagement	3	Second Language	3
18 credits		17 – 18 credits	

THIRD YEAR

FALL SEMESTER		SPRING SEMESTER	
COM 200 Public Speaking or Lab Science	4	IT Career Focus Course	4
IT Career Focus Course	4	Interdisciplinary Focus Course	4
Interdisciplinary Focus Course	4	Elective or Minor Course	4
Elective or Minor Course	3	Elective or Minor Course	3 – 4
AOK 2, AOK 3, AOK 4 or AOK 5	3	AOK 2, AOK 3, AOK 4 or AOK 5	3
18 credits		16 – 18 credits	

FOURTH YEAR

FALL SEMESTER		SPRING SEMESTER	
CIT 471 Internship or CIT 481 Capstone	4	CIT 471 Internship or CIT 481 Capstone	4
IT Career Focus Course	3	AOK 2, AOK 3, AOK 4 or AOK 5	4
Interdisciplinary Focus Course	3	Elective or Minor Course	4
AOK 2, AOK 3, AOK 4 or AOK 5	3	Elective or Minor Course	3
Elective or Minor Course	4	Elective or Minor Course	3
17 credits		18 credits	

*Course level is based on the results of the placement exam

BACHELOR OF SCIENCE - INFORMATION TECHNOLOGY

Transfer Student

UNIVERSITY CORE (44 CREDITS)

Foundation Requirements (21 – 30 Credits)

	Credits	
ENG 110 (Can test out)	0 – 3	_____
ENG 120 Critical Writing	4	_____
ENG 201 Writing in the Disciplines	3	_____
COM 200 Public Speaking	3	_____
MAT 104 Finite Math	3	_____
Approved Lab Foundation Science	3 – 4	_____
Approved Computing CIT 110*/CS 121/CIS 101	3 – 4	_____
One language or culture course selected from: ARA/CHI/FRE/JPN/GRK/ITA/LAT/RUS/SPA/SPE	0 – 3	_____

Liberal Arts Requirement (19 – 26 Credits)

MAT 117 Elementary Statistics	4	_____
_____	3	_____
_____	3	_____
_____	3	_____
_____	3	_____
_____	3	_____
_____	4	_____

REQUIRED LEARNING EXPERIENCES

Civic Engagement and Public Values

One Civic Engagement (CE) course

IT FOUNDATION CORE COURSES (24 – 27 CREDITS)** Credits

CIT 110	Introduction to Information Technology	0	>>><
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CIT 221	Global Networking Technology	4	_____
CIT 231	Web Authoring & Digital Media	4	_____
CIT 241	Database Management	4	_____
CIT 251	Computer Security Overview	4	_____
CIT471/481	Internship/Capstone	4	_____

IT CAREER FOCUS (10 – 12 CREDITS) (3 COURSE MINIMUM)

Security Focus

CIT 352	Network & Internet Security	3	_____
CIT 354	Computer Forensics	3	_____
CIT 312	Introduction to Programming I	4	_____
CIT 356	Operating Systems Concepts	4	_____

Web & Digital Media Focus

CIT 332	Multimedia & User Interface Design	4	_____
CIT 322	Distributed Computing	4	_____
CIT 344	Project Management	4	_____

Networking Focus

CIT 312	Introduction to Programming I	4	_____
CIT 352	Network & Internet Security	3	_____
CIT 322	Distributed Computing	4	_____

Information Management Focus

CIT 342	Systems Analysis & Design	4	_____
CIT 344	Project Management	4	_____
CIT 348	Data Mining	4	_____
CIT 346	Database Programming	4	_____

Computer Forensics Focus

CIT 361	Forensic Investigation	4	_____
CIT 363	Computer Forensics, Cyber Law & Evidence Admissibility	4	_____
CIT 365	Mobile Device Forensics	4	_____

Software Development Focus

CS 113	Mathematic Structures for Computer Science	4	_____
CS 121/CIT 312	Introduction to Programming I	4	_____
CS 122/CIT 314	Introduction to Programming II	4	_____
CIT 342	Systems Analysis & Design	4	_____

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_____	3 – 4	_____
_____	3 – 4	_____

OPEN ELECTIVES (18 – 33 CREDITS)*

UNV 101	1	_____
_____	3	_____
_____	3	_____
_____	3	_____
_____	4	_____
_____	4	_____

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