

BS in TECHNOLOGY SYSTEMS MAJOR
Recommended Full-Time Program Sequence

8/1/03

First Year

First Semester (14 - 16 Credits)

ENG 110 or
 ENG 120 Freshman Writing*[#]
 Area II - V Course[#] _____
 CIS 101 or TS 105
 TS 211A Spreadsheet Applications
 TS 212A Database Applications
 UNV 101 Freshman Seminar

Cr	P	T	#
4/3			
3			
3/4			
2			
2			
1			

Second Semester (17 Credits)

ENG 120* or Area II - V Course[#]
 Area II - V Course# _____
 Area II - V Course# _____
 Area II - V Course# _____
 Mathematics * _____
 TS 212B Advanced Database Application

Cr	P	T
3		
3		
3		
3		
3		
2		

Second Year

First Semester (15 Credits)

COM 200 Public Speaking
 Second Language* or Inquiry & Exploration
 Area II - V Course _____
 Science _____
 TS 214 Operating Systems

Cr	P	T
3		
3		
3		
3		
3		

Second Semester (16 Credits)

ENG 201 Writing in the Discipline
 Second Language* or Inquiry & Exploration
 Area II - V Course _____
 Area I Civic Engagement _____
 TS 313 Multimedia Applications

Cr	P	T
3		
3		
3		
3		
4		

Third Year

First Semester (16 - 17 Credits)

TS 341 (West) or TS 351 (NY)
 Area II - V Course or Inquiry & Exploration
 Programming _____
 Inquiry and Exploration _____
 Inquiry and Exploration or Free Elective

Cr	P	T
4		
3		
3/4		
3		
3		

Second Semester (14 - 18 Credits)

TS 341 (NY) or TS 351 (West)
 TS322 Designing & Managing Training
 Programming _____
 Inquiry and Exploration _____
 Free Elective _____

Cr	P	T
4		
4		
3/4		
3		
0-3		

Fourth Year

First Semester (16 - 17 Credits)

TS 331 Technical Writing
 TS 333 Planning, Implementation, and Evaluation
 Free Elective _____
 Free Elective _____
 Free Elective _____

Cr	P	T
4		
4		
3		
3		
3		

Second Semester (13 - 17 Credits)

TS 415 Cases in End-User Computing
 TS 471 Internship
 Free Elective _____
 Free Elective _____
 Free Elective _____

Cr	P	T
4		
3/4		
3		
3		
0-3		

Total Credits = 128

**Appropriate course determined by placement.*

This worksheet is to be used as a guide in planning your registration to ensure proper sequencing of courses. Adjustments in the recommended course sequencing may be made provided course and class standing prerequisites are satisfied. Students may take fewer credits per semester and take courses in the summer sessions.

B.S. DEGREE / INFORMATION TECHNOLOGY MAJOR

7/12/12

UNIVERSITY CORE (44 - 53 credits)

Foundation Requirements (19-28 crs)

ENG 110 (Can test out)	0-3	_____
ENG 120 Freshman Writing	4	_____
ENG 201 Writing in the Disciplines	3	_____
COM 200 Public Speaking	3	_____
Approved MAT 104 Finite Math	3	_____
Approved Foundation Sci Course	3	_____
CIS 101 Intro. to Computing	3	_____
Two Language courses selected from:		
CHI / FRE / ITA / JPN / POR / RUS / SPA	0-3	_____
_____	0-3	_____
_____		_____

Areas of Knowledge (AOK) - minimum of 25 credits

See list of courses on Web & Schedule which satisfy AOK Core Areas.

Western Heritage - WH (AOK 2)

(2 courses)

_____	3	_____
_____	3	_____

World Traditions and Cultures - WTC (AOK 3)

(2 courses)

_____	3	_____
_____	3	_____

Humanistic & Creative Expression - HCE (AOK 4)

(2 courses)

_____	3	_____
_____	3	_____

Analysis of Human, Social, and Natural Phenomena - HSN (AOK 5)

(2 courses)

MAT 117 Statistics	4	_____
_____	3	_____

*REQUIRED LEARNING EXPERIENCES:

Civic Engagement (one CE course)

One CE Course

Learning Community

One LC Course

Writing - Enhanced Course Requirement

Two Writing - Enhanced Courses indicated by (W)

1. CIT 110 Intro. To Info. Technology	3	_____
2	3	_____

IT Foundation/Required Courses (27 crs)

CIT 110	Intro. To Info. Technology	3	_____
CIT 211	Intro to Comp System Hardware	4	_____
CIT 221	Global Networking Technology	4	_____
CIT 231	Web Authoring and Digital Media	4	_____
CIT 241	Database Management	4	_____
CIT 251	Computer Security Overview	4	_____
CIT	Capstone Project or Internship	4	_____

IT Career Focus (10-12 crs)

(Minimum 3 courses in one focus area)

Security Focus

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

Web and Digital Media Focus

CIT 332	Multimedia and user Interface	4	_____
CIT 336	Web Scripting	4	_____
CIT 338	Ubiquitous Computing	4	_____
CIT 322	Distributed Computing	4	_____
CIT 334	Technical Writing	4	_____
CIT 344	Project Management	4	_____

Networking Focus

CIT 312	Intro to Programming I	4	_____
CIT 352	Network and Internet Security	3	_____
CIT 322	Distributed Computing	4	_____

Information Management Focus

CIT 342	Systems Analysis and Design	4	_____
CIT 344	Project Management	4	_____
CIT 348	Data Mining	4	_____
CIT 340	Data Analysis and Visualization	4	_____
CIT 346	Database Programming	4	_____

Problem Solving and Systems Focus

CIT 312	Intro to Programming 1	4	_____
CIT 314	Intro to Programming 2	4	_____
CIT 316	Visual Basic Programming	4	_____

Interdisciplinary Focus (9 crs)

(choose one of the attached Interd. Focuses or design a 3 course sequence at the 200 or higher level from any discipline.)

_____	3	_____
_____	3	_____
_____	3	_____

Free Electives (27-38 crs)

*additional IT Interdisciplinary focus recommended

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

Total Credits = 128

UNV 101 Freshman Seminar is required for all new Freshmen.

* Entering Freshmen are required to take one Civic Engagement and Public Values course, one Learning Community and two writing-enhanced course

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

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

Recommended Interdisciplinary Focuses

Criminal Justice

CRJ 150	Intro to Criminal Justice	3	_____
CRJ 247	Intro to Private Security	3	_____
CRJ 346	Terrorism and Society	3	_____

Management Science

MGT 355	Mgmt Science & Production Mgt	3	_____
MGT 356	Simulation Techniques	3	_____
MGT 456	Advanced Operations Research	3	_____

Computer Art

ART 186	Basic Computer Design	3	_____
ART 287	Digital Imaging	3	_____
ART 380	Computer Illustration	3	_____

English

ENG 302	Composition Theory and Practice	3	_____
ENG 306	Writing for the Professions	3	_____
ENG 310	Journalism	3	_____

Communications

COM 111	Introduction to Communication	3	_____
COM 119	Organizational Communication	3	_____
COM 214	Interpersonal Communication	3	_____

Economics

ECO 105	Macroeconomics	3	_____
ECO 106	Microeconomics	3	_____
ECO 238	Money and Banking	3	_____

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Two Language courses selected from:		
CHI / FRE / ITA / JPN / POR / RUS / SPA	0-3	_____
_____	0-3	_____
_____		_____

Liberal Arts Requirement - 25 credits

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

*REQUIRED LEARNING EXPERIENCES:

Civic Engagement (one CE course)	3	_____
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>>>< Course is taken as part of the University Core Requirements.

* Entering Freshmen are required to take one Civic Engagement and Public Values course

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_____	3	_____
_____	3	_____

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*additional IT Interdisciplinary focus recommended

_____	3	_____
_____	3	_____
_____	3	_____
_____	3	_____
_____	3	_____
_____	4	_____
_____	4	_____
_____	4	_____