



School of Engineering and Technology

Student ID: _____
 Student Name: _____
 Program Entry Date: _____

Degree/Program Plan: B.S. Computer & Info Tech
 Program/Plan Code: TECH1 / CITNWBS
 Requirement Term: 01/01/2007 [4072]
 Track or Option: Networking Option

***** NOTE Program/Plan Prerequisite: CIT 106

1st Term

Course#	Units	Title	Pre- or Co-requisite
CIT 112	3	Info Tech Fundamentals	
CIT 120	3	Quantitative Analysis I	P. MATH 111
MATH 159	5	Precalculus	or MATH 153 & 154
ENG-W 131*	3	Elementary Composition I	

14

2nd Term

Course#	Units	Title	Pre- or Co-requisite
CIT 140*	3	Prog Constructs Laboratory	P. CIT 106 and CIT 120
CIT 212	3	Web Site Design	P. or C. CIT 112
CIT 214	3	Intro to Data Management	P. or C. CIT 212
OLS/IET/BUS	3	OLS 252 or IET 104 or BUS-X 100	
COMM-R 110	3	Fund of Speech Communications	

15

3rd Term

Course#	Units	Title	Pre- or Co-requisite
200 Prog.*	3	CIT 262 or CIT 270	P. CIT 112 and CIT 140
CIT 213	3	Systems Analysis & Design	P. CIT 214 and (CIT 140 or 215)
CIT 233	3	Hardware/Software Architecture	P. CIT 112
CIT 220	3	Quantitative Analysis II	P. CIT 120 or ECET 209 & MATH 159 or 153
TCM 220	3	Technical Report Writing	

15

4th Term

Course#	Units	Title	Pre- or Co-requisite
CIT 286	3	Operating Systems & Admin	P. CIT 233 or ECET 209 & 200 Prog. Lang.
CIT 307	4	Data Communications	P. CIT 220
CIT 356	3	Network Operations & Admin	P. or C. CIT 286
ECET 209	4	Intro to Microcontrollers	
Free Elect	2	Any College Course	

16

5th Term

Course#	Units	Title	Pre- or Co-requisite
CIT 303	3	Comm Security & Net Controls	P. CIT 307 or ECET 284
CIT 402	3	Design & Implementation of LAN	P. CIT 307 or ECET 284
MATH 221	3	or MATH-M 119 or CIT 320	
Soc Science	3	Social Science Elective	
Science	4	(BIOL, CHEM, GEOL, PHYS) + LAB	

16

6th Term

Course#	Units	Title	Pre- or Co-requisite
300 Prog.	3	CIT 362 or CIT 388 [Java]	P. 200 Prog. Lang. or (CIT 140 & 214 for VB II)
CIT 440	3	Comm Network Design	P. CIT 402
CIT 415	3	Adv Network Administration	P. CIT 356
TCM 300/400	3	TCM 300/400 Elective	
CIT Select	3	Any CIT course (not E courses)	
CIT 310	1	Career Planning	P. Junior Standing

16

7th Term

Course#	Units	Title	Pre- or Co-requisite
CIT 426	3	Enterprise Networks	P. CIT 402 and CIT 440
CIT 327	3	Wireless Networking	P. CIT 307
CIT Select	3	Any CIT course (not E courses)	
Humanities	3	Humanities Elective	
Free Elect	3	Any College Course	

15

8th Term

Course#	Units	Title	Pre- or Co-requisite
CIT 499	3	Unix Programming & Administration	P. CIT 286
CIT 490	3	IT Experience	
Free Elect	2	Any College Course	
OLS/BUS	3	OLS/BUS Elect. or NEWM-N 250	
Soc/Huma	3	Social Sci./Humanities Elective	

14

*Must be completed with a grade of C or better



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Additional Information:	ID: _____
	Name: _____

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 Track or Option: Networking Option

Core Requirements

Course#	Units	Term	Grade	Comments
A.S.				
CIT 112	3			
CIT 140	3			
CIT 212	3			
CIT 213	3			
CIT 214	3			
CIT 233	3			
CIT 262/270	3			
CIT 286	3			
CIT 307	4			
CIT 356	3			
B.S.				
CIT 303	3			
CIT 310	1			
CIT 327	3			
CIT 362/388	3			
CIT 402	3			
CIT 415	3			
CIT 426	3			
CIT 440	3			
CIT 490	3			
CIT 499	3			
CIT Select.	3			
CIT Select.	3			

total: 65

Math and Science Requirements

Course#	Units	Term	Grade	Comments
A.S.				
MATH 159	5			or MATH 153 & 154
CIT 120	3			
CIT 220	3			
B.S.				
SCI ELECT	4			(BIOL, CHEM, GEOL, PHYS) + LAB
MATH 221	3			or CIT 320 or MATH-M 119

total: 18

General Education Requirements

Course#	Units	Term	Grade	Comments
A.S.				
ENG-W 131	3			
COMM-R 110	3			
TCM 220	3			
B.S.				
TCM 300/400	3			
SocSci Elect.	3			
Humanities	3			
Soc.Sci./Huma.	3			

total: 21

Technical Electives or Selectives

Course#	Units	Term	Grade	Comments
A.S.				
OLS/IET/BUS	3			OLS 252 or IET 104 or BUS-X 100
ECET 209	4			
Free Elective	2			
B.S.				
Free Elective	3			
Free Elective	2			
OLS/BUS Ele.	3			

total: 17

Social Science = ANTH, ECON, PSY, POLS, SOC, or GEOG-G 110, 130, 314, 331, 338, 355, 410
 but **NOT** ECON-E 270, PSY-B 305 or SOC-R 359.

CIT Selectives may include CGT 211, 241, 341, 351, 356, 451, 456 or CSCI-N 351, 355, or 361.

Only 6 units in any one project/internship/coop course number with a maximum of 12 units will count toward Selectives.

39 Units in Upper Level (300/400) Courses Required for B.S. Degree

- Student has completed 12 honors designated courses in CIT.
- Student has completed 24 honors units toward departmental honors.

Computer and Information Technology: 274-9705

Offices: ET 301

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