

COMPUTER SCIENCE DEGREE PROGRAM (2008 Catalog Total 121 hours)

Student Name: _____ UIN: _____ Advisor: _____ THEA: _____ Entry Date _____

FRESHMAN YEAR

First Semester	Sem				Second Semester	Sem			
	Hr	Gr	Yr	Tr		Hr	Gr	Yr	Tr
MATH 1124	Calculus I (Pre req-Math 1113,1123, CoReq: GNEG 1121)	4			ENGL 1123	Freshman Composition I (Univ. Comm. Core)	3		
**GNEG 1121	Engineering Appln. Lab II for Math (CoReq of Math 1124)	1			MATH 2024	Calculus with Analytic Geometry II (Pre req-Math 1124, Co-Req. GNEG 2021)	4		
	Science Course*	3			**GNEG 2021	Engineering Appln. Lab III for Math (CoReq Math 2024)	1		
	Science Course Lab*	1			SPCH 1003	Fundamentals of Speech Comm. (Univ. Comm. Core)	3		
COMP 1011	Intro to Engr. & CS Tech.	1			COMP 1223	Computer Science II (Pre-Comp 1213, Comp 1211 Co Req Comp 1221 & Math1124)	3		
COMP 1021	Intro to CS Lab.	1			COMP 1221	Computer Science Laboratory II (Pre req Comp 1213, Comp1211Co-req Comp 1223 & Math 1124)	1		
COMP 1213	Computer Science I (Pre req-COMP1013 or equivalent & MATH 1113 & MATH 1123)or MATH1115 Co Req COMP 1211	3							
COMP 1211	Computer Science Laboratory I (Pre req COMP 1013 or equivalent) and (MATH 1113 & MATH 1123) or MATH 1115) CoReq COMP1213	1							
Total		15			Total		15		

SOPHOMORE YEAR

First Semester	Sem				Second Semester	Sem			
	Hr	Gr	Yr	Tr		Hr	Gr	Yr	Tr
COMP 2013	Data Structures (Pre req-COMP 1223 and 1221)	3			COMP 2033	Assembly Language (Pre req-COMP 1223 and 1221)	3		
MATH 2053	Discrete Mathematics (Pre req-Math 1124)	3			HIST 1313	U.S. to 1876 (Soc. & Beh. Sci.- Core)	3		
COMP	Elective	3			COMP 2103	Discrete Structures (Pre COMP 1223, 1211 & MATH 2053)	3		
ENGL 1143	Technical Writing (Univ. Comm. Core)	3			POSC 1113	American Government I (Soc. & Beh. Sci - Core)	3		
	Science Course*	3				Science Course*	3		
	Science Course Lab*	1				Science Course Lab*	1		
Total		16			Total		16		

JUNIOR YEAR

First Semester	Sem				Second Semester	Sem			
	Hr	Gr	Yr	Tr		Hr	Gr	Yr	Tr
POSC 1123	American Government II (Soc. & Beh. Sci - Core)	3			COMP 3053	Analysis of Algorithms (Pre req- COMP 2013 & COMP 2103)	3		
MATH 3073	Linear Algebra (Pre req- MATH 2024)	3			COMP 3063	Operating Systems (Pre req- COMP 2013 & COMP 3043)	3		
COMP 3033	Digital Logic Circuit (Pre req - COMP 2033)	3			COMP 3223	Software Engineering (Pre req- COMP 2013)	3		
COMP 3043	Computer Organization (Pre req- COMP 2033)	3			COMP	Upper-level CS Elective	3		
MATH 3023	Probability and Statistics (Math Core)	3				Humanities and Arts (H & V Core)	3		
Total		15			Total		15		

SENIOR YEAR

First Semester	Sem				Second Semester	Sem			
	Hr	Gr	Yr	Tr		Hr	Gr	Yr	Tr
COMP 4001	Ethics and Soc. Issues in Computing (Co-Req COMP 4072)	1			COMP 4082	Senior Design Project II (Pre req - COMP 4072)	2		
COMP 4072	Senior Design Project I ((Pre req - Senior Standing Co req COMP 4001)	2			COMP 4113	Programming Languages Design (Pre req - COMP 2013)	3		
COMP 4123	Computer Networks (Pre req- COMP 3063)	3			COMP	Upper-level Computer Science	3		
COMP 4133	Formal Languages Automata (Pre req COMP 2103)	3			HIST 1323	The U.S.-1876 to Present (Soc. & Beh. Sci - Core)	3		
COMP 4953	Database Management (Pre req- COMP 2013)	3				Visual and Performing Arts (H & V Core)	3		
	Social and Behavioral Science	3							
Total		15			Total		14		

*** Allowed Science Sequences:**

Science Sequence 1: CHEM 1033, CHEM 1011, CHEM 1043, CHEM 1021, PHYS 2513, PHYS 2511

Science Sequence 2: CHEM 1033, CHEM 1011, PHYS 2513, PHYS 2511, PHYS 2523, PHYS 2521

Science Sequence 3: BIOL 1113, BIOL 1111, PHYS 2513, PHYS 2511, PHYS 2523, PHYS 2521

**** Added GNEG 1121 and GNEG 2012. Deleted 6 hours of free electives, 1 hour of HUPF, and 3 hours of TECH 3203 from 2005 Catalog to make it 121 hours**