COMPUTER SCIENCE DEGREE PROGRAM (2012 Catalog Total 121 hours) CHECK LIST

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

FRESHMAN YEAR

First Semester		Hr	Gr	Sem Yr	Tr	Second Semester		Hr	Gr	Sem Yr	Tr
MATH 1124	Calculus I *(Pre req-Math 1123 or Math 1115, 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				COMM 1003	Fundamentals of Speech Comm. *(Univ. Comm. Core)*	3			
COMP 1011	Intro to Engr. & CS Tech.	1				COMP 1224	Computer Science and Laboratory II *(Prerequisites: COMP 1214. Co-requisite: MATH 1124)*	4			
COMP 1021	Intro to CS Lab.	1									
COMP 1214	Computer Science and Laboratory I *(Pre-requisite: MATH 1123 or MATH 1115)*	4									
Total		15				Total		15			

SOPHOMORE YEAR

First Semester		Hr	Gr	Sem Yr	Tr	Second Semester		Hr	Gr	Sem Yr	Tr
COMP 2013	Data Structures *(Pre req-COMP 1224)*	3				COMP 2033	Assembly Language *(Pre req- COMP 1224)*	3			
HIST 1313	U.S. to 1876 *(Soc. & Beh. Sci.- Core)*	3				COMP	Elective	3			
COMP 2103	Discrete Structures *(Pre req-COMP 1224)*	3				COMP	Elective	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		Hr	Gr	Sem Yr	Tr	Second Semester		Hr	Gr	Sem 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) or ELEG 4393)*	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)* *<see reverse side>*	3			
Total		15				Total		15			

SENIOR YEAR

First Semester		Hr	Gr	Sem Yr	Tr	Second Semester		Hr	Gr	Sem Yr	Tr
COMP 4001	Ethics and Soc. Issues in Computing *(Pre req – Senior Standing. Co- Req 4072)*	1				COMP 4082	Senior Design Project II *(Pre req – COMP 4072)*	2			
COMP 4072	Senior Design Project I *(Pre req – COMP 3223, COMP 3063, ENGL 1143. 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)* *<see reverse side>*	3			
	Social and Behavioral Science *<see reverse side>*	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