A Suggested Program for a B.S. Degree in Computer Science
Concentration: Information Assurance and Cyber Defense

Course Prefix & Number	Title	Cr. Hrs.	Course Prefix & Number	Title	Cr. Hrs.
First Year / Fall Semester			**First Year / Spring Semester**		
FRSM 101	Freshman Seminar	2	FRSM 102	Freshman Seminar	2
ENGL 111	English Communication I	3	ENGL112	English Communication II	3
MATH 130	College Algebra	3	MATH 145	Pre-Calculus Math	3
ITEC 120	Intro to Information Technology	3	HLFW	One Activity Elective	1
SOSI 111	Intro to Power, Society & Social	3	COSI 200	Introduction to Cyber Security	3
HLFW 129	Lifetime Fitness	1	HIST 221	Intro to African American His.	3
Total of Semester Hours		15	*Total of Semester Hours*		15
Second Year / Fall Semester			**Second Year / Spring Semester**		
MATH 201	Analytical Geometry & Cal I	4	MATH 202	Calculus II	4
Lab Sci	PHYS 201, CHEM 101, or BIOL 101	4	Lab Sci	PHYS 202, CHEM 102, or BIOL 102	4
ENGL 205	Human Literary Heritage	3	HUMN 212	Human Heritage II	3
HUMN 211	Human Heritage I	3	COSI 240	Discrete Structures	3
COSI 223	Intro to Programming	3	COSI 225	Advanced Programming	3
COSI 223L	Intro to Programming Lab	1	COSI 225L	Advanced Programming Lab	1
Total of Semester Hours		18	*Total of Semester Hours*		18
Third Year / Fall Semester			**Third Year / Spring Semester**		
ITEC 435	Network Security	3	COSI 335	Computer Algorithm	3
COSI 330	Data Structures	3	ITEC 440	Advanced Networking	3
COSI 320	Computer Organization	3	COSI 355	Digital Forensics	3
COSI 345	Database Management	3	ITEC 310	Introduction to UNIX	3
CRJS 355	Cyber Ethics and Cyber Law	3	COSI 350	Programming Languages	3
Total of Semester Hours		15	*Total of Semester Hours*		15
Fourth Year / Fall Semester			**Fourth Year / Spring Semester**		
COSI 410	Operating Systems	3	MATH 306	Linear Algebra	3
CRJS 465	Forensic Evidence	3	COSI	Elective	3
COSI 455	Computer Science Project	3	COSI 460	Computer Science Capstone	3
MATH 310	Statistical Methods	3	Elective	General (300 or 400 classification)	3
Total of Semester Hours		12	*Total of Semester Hours*		12
Note: 45 hours of 300 - 400 level courses are required.			**TOTAL HOURS:**		
It is highly recommended that students take Math or Computer Science courses as general electives.			A minimum of 120 hours is required for graduation.		