Bachelor of Science in Applied Computer Science
No Concentration

Mathematical Sciences and Engineering
University of South Carolina Aiken

First Year					
1st Semester (15 hrs)			**2nd Semester (16 hrs)**		
Course	Title	hrs	Course	Title	hrs
MATH A122	Survey of Calculus	3	MATH A174	Discrete Mathematics for CS	3
CSCI A125	Introduction to Computer Science	3	ENGL A102	Composition and Literature	3
ENGL A101	Composition	3	CSCI A145	Algorithmic Design I	4
GEN ED	HIST A101 or HIST A102	3	CSCI A185	Computer Applications & Programming	3
ELECTIVE	Free Elective	3	GEN ED	Social and Behavioral Sciences	3

Second Year					
1st Semester (16 hrs)			**2nd Semester (15 hrs)**		
Course	Title	hrs	Course	Title	hrs
CSCI A146	Algorithmic Design II	4	CSCI A220	Data Structures & Algorithms	3
CSCI A255	Introduction to Information Security	3	CSCI A320	Object-Oriented Programming	3
MATH A344	Linear Algebra for CS & Engineering	3	CSCI A360	Software Engineering	3
College Req.	Elective	3	College Req.	Fine Arts Elective	3
GEN ED	COMM A201 or COMM A241	3	ELECTIVE	Free Elective	3

Third Year					
1st Semester (15 hrs)			**2nd Semester (15 hrs)**		
Course	Title	hrs	Course	Title	hrs
CSCI A225	Web Development	3	ELECTIVE	CSCI Technical Elective	3
ELECTIVE	CSCI Technical Elective	3	CSCI A350	Computer Graphics	3
CSCI A340	Mobile Application Development	3	CSCI A415	Data Comm. & Computer Networks	3
College Req.	Elective	3	GEN ED	Humanities	3
ELECTIVE	CSCI Technical Elective	3	GEN ED	POLI A201, HIST A201, or HIST A202	3

Fourth Year					
1st Semester (15 hrs)			**2nd Semester (13 hrs)**		
Course	Title	hrs	Course	Title	hrs
CSCI A520	Database System Design	3	GEN ED	Humanities	3
CSCI A591	Capstone Seminar I	3	College Req.	Natural Science with Lab	4
ELECTIVE	CSCI Technical Elective	3	CSCI A592	Capstone Seminar II	3
GEN ED	Natural Science with Lab	4	ELECTIVE	CSCI Technical Elective	3
ELECTIVE	Free Elective	2			