Bachelor of Science in Applied Computer Science No Concentration

Computer Science, Engineering and Mathematics
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
ELEC	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	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	ELEC	Free Elective	3

Third Year

1st Semester (15 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
CSCI A225^	Web Development	3	ELEC	CSCI Technical Elective	3
ELECTIVE	CSCI Technical Elective	3	CSCI A350*	Computer Graphics	3
CSCI A3406	Mobile Application Development	3	CSCI A415*	Data Comm. & Computer Networks	3
College Req.	Elective	3	GEN ED	Humanities	3
TECH ELEC	Technical Elective	3	GEN ED API	POLI A201, HIST A201/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
TECH ELEC	Technical Elective	3	CSCI A592*	Capstone Seminar II	3
GEN ED	Natural Science with Lab	4	TECH ELEC	Technical Elective	3
ELEC	Free Elective	2			

^Fall only *Spring only +Varies   Course frequency notes are subject change and do not include courses managed by other departments