



## First Year

1st Semester (14 hrs)			2nd Semester (16 hrs)		
Course	Title	hrs	Course	Title	hrs
ENGL A101	Composition	3	ENGL A102	Composition and Literature	3
MATH 141	Calculus I	4	MATH 142	Calculus II	4
HIST A101/A102	General Education	3	CSCI 145	Algorithmic Design I	4
Nat. Science	General Education	4	Nat. Science	General Education	4
			MATH 135	Applied Math Seminar	1

## Second Year

1st Semester (13 hrs)			2nd Semester (17 hrs)		
Course	Title	hrs	Course	Title	hrs
MATH 241	Vector Calculus	4	MATH 242	Elem. Differential Equations	4
MATH 174	Discrete Mathematics	3	MATH 325	Advanced Mathematical Prog.	3
MATH 225	Mathematical Software	3	COMM 201/241	Interpersonal/Pub. Speaking	3
ELEC	Free Elective	3	GEN ED	Tier 2 General Education	4
			GEN ED	Humanities	3

## Third Year

1st Semester (15 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
MATH 544	Linear Algebra	3	STAT 510	Statistical Quality Assurance	3
STAT 509	Statistics	3	CSCI 562	Numerical Methods	3
ELEC	Tech Elective	3	ELEC	Tech Elective	3
BADM 225	Finance	3	MATH 518	Industrial Mathematics I	3
ECON 221/222	Macro/Micro Economics	3	BADM 363	Business Finance	3

## Fourth Year

1st Semester (15 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
MATH 590	Applied Math Capstone I	3	MATH 591	Applied Math Capstone II	3
MATH 519	Industrial Mathematics II	3	ELEC	Tech Elective	3
GEN ED	POLI 201, HIST 201/202	3	GEN ED	Humanities	3
GEN ED	Tier 2 General Education	3	ELEC	Free Elective	3
ELEC	Free Elective	3	ELEC	Free Elective	3

# Bachelor of Science in Applied Mathematics



**Mathematical Sciences  
and Engineering**  
University of South Carolina Aiken