Your Four Year Plan

Year One

Get acquainted with the mathematics faculty. Complete MAT A108 and other recommended courses. Join a club or organization. Get involved with the campus community. Schedule a meeting with both your advisor and an Exercise and Sports Science faculty member.

Year Two

In the fall continue to complete math and other general education requirements. Schedule a meeting with your faculty advisor early in the semester to get to know them and about the department. Those interested in a strong research background should speak with their professors and advisor about our undergraduate research program. For those who are on a pre-professional track be sure to check in with your advisor regarding courses that you can take to ensure you are on track for your desired goals. Be sure to be attending two ICE events per semester.

Year Three

For those who are on a pre-professional track, be sure to speak with your faculty advisor about programs that you are interested in, and ensure you meet required deadlines and take the required exams for admittance. By this point you should be connected with a local industry to complete an internship in your field of study, and in an area that you wish to work post-graduation. Keep engaged with campus organizations and with campus activities. You should have completed half of your ICE events by this point. Your WPP will be due this spring, ensure you have that prepared.

Year Four

At this time you should be completing your degree. Check in with your advisor to ensure that you are on track for your desired graduation (Spring, Summer, Fall). They should work with you to complete your graduation application. Complete your ICE events this year, and schedule an appointment with career services to line up employment or graduate school (if you have not already) during this year.

Bachelor of Science

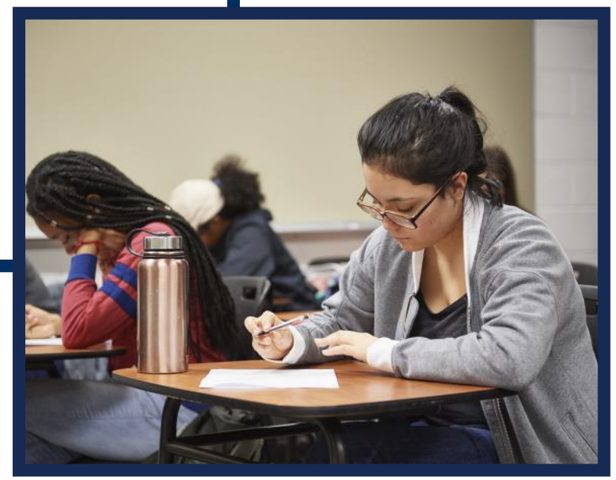
Applied Mathematics

General

U of SC Aiken
Mathematical Sciences

Information about the Major

The curriculum provides a high-quality liberal arts foundation which focuses on applied aspects of mathematics. Technical electives in business, computer science or engineering allow students to augment their studies in academic areas that most interest them.



The Bachelor of Science degree in Applied Mathematics prepares students for immediate employment a wide variety of careers in industry.

Dr. Mohammad Hailat,

Department Chair

To learn more about the Applied Mathematics program visit us online.

U of SC Aiken
Mathematical Sciences

https://www.usca.edu/mathematical-sciences/majors-minors/applied-mathematics

Connect with Collytte!

Academic Advising

Collytte Medders

Professional STEM Academic Advisor

Email: **Collyttec@usca.edu**

Office Phone: **803-643-6819**

U of SC Aiken

Center for Student Achievement

Name:_____

VIP ID: _____

Course Requirements–B.S. Applied Mathematics : 2022—2023

General Education:	50-52 Hours		
Course Requirement	**Credit Hours**	**Semester**	**Grade**
English			
ENGL A101– Composition *	3		
ENGL A102-Composition & Literature *	3		
History of Western Civilization (HIST A101 or A102)			
HIST A10__	3		
Foreign Language (6-8 hrs. of same language)			
*	3-4		
+	3-4		
Oral Communication (COMM A201 or A241)			
COMM A_____*	3		
Mathematics (6-7 hrs.)			
MATH A141 Calculus I *+	4		
MATH A142 Calculus II *+	4		
Social and Behavioral Sciences (6 hrs. —2 areas)			
ECON A221 or A222 *+	3		
	3		
Humanities (9 hrs.—two different areas)			
	3		
	3		
	3		
American Political Institutions (POLI A201, HIST A201, HIST A202)			
	3		
Natural Sciences			
	4		
	4		
Three hours from Social & Behavioral Sciences or Humanities must be in Non-Western Studies			

The Center for Student Achievement

The staff in the Center for Student Achievement want you to be successful in your experience at USC Aiken. If there is something you need assistance with, please contact our office. The Center for Student Achievement is located on the first floor of the Gregg Graniteville Library behind the Learning Commons in suite 106.

Major Requirements:	50 Hours		
Core Requirements (50 hours)	**Credit Hours**	**Semester**	**Grade**
CSCI A145—Introduction to Algorithmic Design *+	4		
CSCI A562—Numerical Methods *+	3		
MATH A135—Applied Math Seminar *+	1		
MATH A174—Discrete Math for Comp. Sci.*+	3		
MATH A225—Math Software *+	3		
MATH A241—Calculus III *+	4		
MATH A242—Ordinary Differential Equations *+	4		
MATH A325—Advanced Math Programming *+	3		
MATH A518—Industrial Mathematics I *+	3		
MATH A519—Industrial Mathematics II *+	3		
MATH A544—Linear Algebra *+	3		
STAT A509—Statistics *+	3		
STAT 510—Statistical Quality Assurance *+	3		
Business Component (6 hrs.)			
BADM A225—Principles of Financial Accounting +	3		
BADM A363—Business Finance *	3		
Technical Electives (9 hrs.) *Any CSCI course >A146, ENCP course >A200, MATH course >A300, or department approved course.			
	3		
	3		
	3		
Capstone—6 hrs.			
MATH A590—Math Capstone *+	3		
MATH A591—Math Capstone II *+	3		
Free Electives—5—8 hrs.			

Inter-Curricular Events (ICE)		
Events for Graduation (16)		
1	**2**	**3**
4	**5**	**6**
7	**8**	**9**
10	**11**	**12**
13	**14**	**15**
16	**Shade in as you go!**	

WPP Date:	
WPP Score:	

Non-Western Course (1 course)	
Semester:	

Writing-Intensive Courses	
Required for Graduation (3)	
Semester:	
Semester:	
Semester:	
Mark as you go!	

*must pass course with “C” or better

+pre-rec required

Academic Advisors
Advisor One (Fill in below)
Advisor Two (Fill in below)