

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

Mechanical Engineering

General



U of SC Aiken

Mathematical Sciences

Information about the Major

The curriculum provides a high-quality liberal arts foundation which focuses on computer science. 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 Computer Science will provide you with a comprehensive understanding of the technology field, preparing students for real world experiences.

Collytte Medders

STEM Advisor

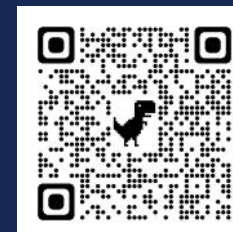
To learn more about the Applied Mathematics program visit us online.



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

Name: _____

VIP ID: _____

General Education:			
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		
Oral Communication			
COMM A241* Public Speaking	3		
Mathematics (6-7 hrs.)			
MATH A141 *+ Calculus I	4		
MATH A142 *+ Calculus II	4		
Social and Behavioral Sciences (6 hrs. —2 areas)			
	3		
	3		
Humanities (9 hrs.—two different areas)			
PHIL A325 Engineering Ethics	3		
	3		
	3		
American Political Institutions (POLI A201, HIST A201, HIST A202)			
	3		
Natural Sciences (8 hrs., each with a lab)			
CHEM A111 *+ General Chemistry I	4		
PHYS A211 *+ Essentials of Physics I	4		
PHYS A212 *+ Essentials of Physics II	4		
<i>Three hours from Social & Behavioral Sciences or Humanities must be in Non-Western Studies</i>			

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.

Course Requirements—B.S. Mechanical Engineering: 2022—2023

Major Requirements:			
Core Requirements (53 hours)	Credit Hours	Semester	Grade
ENCP A101 *+ Intro. To Engineering I	3		
ENCP A102 *+ Intro. To Engineering II	3		
ENCP A200 *+ Statics	3		
ENCP A260 *+ Intro. To the Mechanics of Solids	3		
ENCP A290 *+ Thermodynamic Fundamentals	3		
ENCP A300 *+ Engineering Seminar	1		
ENCP 301*+ Intro. To Applied Numerical Methods	3		
ENCP A310 *+ Dynamics	3		
ENCP A327 *+ Design of Mechanical Elements	3		
ENCP A332 *+ Kinematics	3		
ENCP A354 *+ and ENCP A354L Heat Transfer	3 + 1		/
ENCP A360 *+ Fluid Mechanics	3		
ENCP A361 *+ and ENCP A361L Instrumentation, Meas., Stats,	3 + 1		/
ENCP A368 *+ Mechatronics	3		
ENCP A371 *+ Engineering Materials	3		
ENCP A377 *+ Manufacturing Processes	3		
CSCI A125 *+ Introduction to Computer Science	3		
ELCT A221 *+ Circuits	3		
MATH A241 *+ Vector Calculus	4		
MATH A242 *+ Elem. Differential Equations	4		
MATH A344 *+ Linear Algebra for CS and Eng.	3		
ENGL A462*+ Technical Writing	3		
Technical Electives—6 hrs. (ENCP A300≥, CSCI A145≥, MATH A300≥ courses not required by major, STAT A509 or departmental approved course.			
	3		
	3		
Capstone—6 hrs.			
ENCP A498 *+ Capstone Design I	3		
ENCP A499 *+ Capstone Design II	3		

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
+pre-req required

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