Applied Mathematics (BS)

The B.S. program in Applied Mathematics shares many basic features with the B.S. program in Mathematics. The primary difference is that this program includes a strong interdisciplinary concentration in a related field. The applied concentration, which must be approved by a student's adviser, should be structured to promote specific career or educational objectives.

Undergraduate research opportunities include:

- Society for Industrial and Applied Mathematics
- NC State Research Experiences for Undergraduates in Mathematics
- The Mathematical Biology Research Training Group
- Industrial Mathematical & Statistical Modeling (IMSM) Program by SAMSI
- · Study abroad opportunities in applied mathematics
- SUM Club

For more information about this program visit our website (https:// math.sciences.ncsu.edu/undergraduate/undergraduate-programs/ applied-mathematics/).

Department of Mathematics North Carolina State University Campus Box 8205 Raleigh, NC 27695

Dr. Alina Duca

Teaching Professor and Director of Undergraduate Programs in Mathematics SAS Hall 2108B 919.515.1875 anduca@ncsu.edu

Plan Requirements

Code	Title	Hours
Orientation		
COS 100	Science of Change	1
or E 115	Introduction to Computing Environments	
Advanced Writin	g	
Select one of the	following:	3
ENG 331	Communication for Engineering and Technology	y
ENG 332	Communication for Business and Management	
ENG 333	Communication for Science and Research	
ENG 101	Academic Writing and Research ¹	4
Basic Mathemati	cs	
MA 141	Calculus I ¹	4
MA 241	Calculus II ¹	4
MA 242	Calculus III ¹	4
MA 225	Foundations of Advanced Mathematics ¹	3
MA 341	Applied Differential Equations I ¹	3
Basic Science ⁴		
CH 101 & CH 102	Chemistry - A Molecular Science and General Chemistry Laboratory ¹	4

or		
CH 103	General Chemistry I for Students in Chemical	
& CH 104	Sciences and General Chemistry Laboratory I for Students	
	in Chemical Sciences '	
PY 205 & PY 206	Physics for Engineers and Scientists I and Physics for Engineers and Scientists I Laboratory ¹	4
or PY 201	University Physics I	
Basic Science Ele	ective (p. 2) ¹	4
Statistics Elective	es (p. 2) ¹	6
Select one of the	following Introduction to Programming courses: 1	3
CSC 112	Introduction to Computing-FORTRAN	
CSC 113	Introduction to Computing - MATLAB	
CSC 116	Introduction to Computing - Java	
MA 116	Introduction to Scientific Programming (Math)	
PY 251	Introduction to Scientific Computing	
Advanced Mathe	ematics ⁴	
MA 402	Mathematics of Scientific Computing ¹	3
MA 405	Introduction to Linear Algebra ¹	3
MA 407	Introduction to Modern Algebra for Mathematics Majors ¹	3
MA 425	Mathematical Analysis I ¹	3
Methods of Applie	ed Math Elective (p. 2) ¹	3
Math Electives (p	. 2) ¹	9
In-Dept Co-Requi	irement (verify requirement) ²	
Major Electives		
Applied Electives	2	15
Applied electiv to allow studer their academic above). Course advanced math consultation ar Undergraduate	es are courses at 200-level or above designed hts to concentrate in a specific area related to goals (at least 9 hours are at the 300-level or es used to fulfill this requirement should use hematical tools and are selected by students after nd approval by their advisors or the Director of the Program.	
GEP Courses		
GEP Humanities category-requiren	(http://catalog.ncsu.edu/undergraduate/gep- nents/gep-humanities/)	6
GEP Social Scier category-requiren	nces (http://catalog.ncsu.edu/undergraduate/gep- nents/gep-social-sciences/)	6
GEP Health and I undergraduate/ge studies/)	Exercise Studies (http://catalog.ncsu.edu/ ep-category-requirements/gep-health-exercise-	2
GEP US Diversity undergraduate/ge	 A Equity, and Inclusion (http://catalog.ncsu.edu/ p-category-requirements/gep-usdei/) 	3
GEP Interdisciplir undergraduate/ge perspectives/)	nary Perspectives (http://catalog.ncsu.edu/ ap-category-requirements/gep-interdisciplinary-	5
GEP Global Know category-requiren	vledge (http://catalog.ncsu.edu/undergraduate/gep- nents/gep-global-knowledge/) (verify requirement)	
Foreign Language	e Proficiency (verify requirement)	
Free Electives	23	
Free Electives (12	2 Hr S/U Lmt) ^{2,3}	12

- ¹ A grade of C- or higher is required.
 ² Students should consult their academic advisors to determine which courses fill this requirement.
- ³ Free elective courses cannot be MA 100, MA 101, MA 103, MA 107, MA 108, MA 111, MA 121, MA 131, MA 231, PY 131, PY 211, PY 212, ENG 100, 100-level Foreign Language Course (FL*, LAT, GRK, PER).
- ⁴ At most one grade below a C- is permitted

Basic Science Electives

Code	Title	Hours
BIO 181	Introductory Biology: Ecology, Evolution, and Biodiversity	4
BIO 183	Introductory Biology: Cellular and Molecular Biology	4
CH 201 & CH 202	Chemistry - A Quantitative Science and Quantitative Chemistry Laboratory	4
PY 202	University Physics II	4
PY 208 & PY 209	Physics for Engineers and Scientists II and Physics for Engineers and Scientists II Laboratory	4

Statistics Electives

Code	Title	Hours
Statistics Seque	nce 1	
ST 371 & ST 372	Introduction to Probability and Distribution Theorem and Introduction to Statistical Inference and Regression	ry 6
Statistics Seque	nce 2	
ST 421 & ST 422	Introduction to Mathematical Statistics I and Introduction to Mathematical Statistics II	6
Statistics Seque	nce 3	
MA 421 & ST 380	Introduction to Probability and	6
Statistics Seque	nce 4	
MA 421 & ST 370	Introduction to Probability and Probability and Statistics for Engineers	6
Statistics Seque	nce 5	
MA 421 & ST 422	Introduction to Probability and Introduction to Mathematical Statistics II	6

Methods of Applied Math Electives

Code	Title	Hours
BMA 573	Mathematical Modeling of Physical and Biologica Processes I	al 3
BMA 574	Mathematical Modeling of Physical and Biologica Processes II	al 3
E 531	Dynamic Systems and Multivariable Control I	3
MA 450	Methods of Applied Mathematics I	3
MA 451	Methods of Applied Mathematics II	3
MA 531	Dynamic Systems and Multivariable Control I	3
MA 573	Mathematical Modeling of Physical and Biologica Processes I	al 3

MA 574	Mathematical Modeling of Physical and Biological Processes II	3
OR 531	Dynamic Systems and Multivariable Control I	3

Math Electives

Code	Title	Hours
LOG 335	Symbolic Logic	3
MA 325	Introduction to Applied Mathematics	3
MA 335	Symbolic Logic	3
MA 351	Introduction to Discrete Mathematical Models	3
BMA 573	Mathematical Modeling of Physical and Biologica Processes I	al 3
BMA 574	Mathematical Modeling of Physical and Biologica Processes II	al 3
CSC 416	Introduction to Combinatorics	3
CSC 427	Introduction to Numerical Analysis I	3
CSC 428	Introduction to Numerical Analysis II	3
CSC 565	Graph Theory	3
CSC 580	Numerical Analysis I	3
CSC 583	Introduction to Parallel Computing	3
E 531	Dynamic Systems and Multivariable Control I	3
ECG 528	Options and Derivatives Pricing	3
FIM 528	Options and Derivatives Pricing	3
FIM 548	Monte Carlo Methods for Financial Math	3
FIM 549	Financial Risk Analysis	3
ISE 505	Linear Programming	3
MA 401	Applied Differential Equations II	3
MA 408	Foundations of Euclidean Geometry	3
MA 410	Theory of Numbers	3
MA 412	Long-Term Actuarial Models	3
MA 413	Short-Term Actuarial Models	3
MA 416	Introduction to Combinatorics	3
MA 421	Introduction to Probability	3
MA 426	Mathematical Analysis II	3
MA 427	Introduction to Numerical Analysis I	3
MA 428	Introduction to Numerical Analysis II	3
MA 430	Mathematical Models in the Physical Sciences	3
MA 432	Mathematical Models in Life Sciences	3
MA 437	Applications of Algebra	3
MA 440		3
MA 444	Problem Solving Strategies for Competitions	1
MA 450	Methods of Applied Mathematics I	3
MA 451	Methods of Applied Mathematics II	3
MA 491	Reading in Honors Mathematics	1-6
MA 493	Special Topics in Mathematics	1-6
MA 499	Independent Research in Mathematics	1-6
MA 501	Advanced Mathematics for Engineers and Scientists I	3
MA 502	Advanced Mathematics for Engineers and Scientists II	3
MA 504	Introduction to Mathematical Programming	3
MA 505	Linear Programming	3
MA 512	Introduction to Analysis	3

MA 513	Introduction To Complex Variables	3
MA 515	Analysis I	3
MA 518	Geometry of Curves and Surfaces	3
MA 520	Linear Algebra	3
MA 521	Abstract Algebra I	3
MA 522	Computer Algebra	3
MA 523	Linear Transformations and Matrix Theory	3
MA 524	Combinatorics I	3
MA 526	Mathematical Analysis II	3
MA 528	Options and Derivatives Pricing	3
MA 531	Dynamic Systems and Multivariable Control I	3
MA 532	Ordinary Differential Equations I	3
MA 534	Introduction To Partial Differential Equations	3
MA 537	Nonlinear Dynamics and Chaos	3
MA 540	Uncertainty Quantification for Physical and Biological Models	3
MA 544	Computer Experiments In Mathematical Probability	3
MA 546	Probability and Stochastic Processes I	3
MA 547	Stochastic Calculus for Finance	3
MA 548	Monte Carlo Methods for Financial Math	3
MA 549	Financial Risk Analysis	3
MA 551	Introduction to Topology	3
MA 555	Introduction to Manifold Theory	3
MA 561	Set Theory and Foundations Of Mathematics	3
MA 565	Graph Theory	3
MA 573	Mathematical Modeling of Physical and Biological Processes I	3
MA 574	Mathematical Modeling of Physical and Biological Processes II	3
MA 580	Numerical Analysis I	3
MA 583	Introduction to Parallel Computing	3
MA 584	Numerical Solution of Partial Differential EquationsFinite Difference Methods	3
MA 587	Numerical Solution of Partial Differential EquationsFinite Element Method	3
MA 591	Special Topics	1-6
MBA 528	Options and Derivatives Pricing	3
OR 504	Introduction to Mathematical Programming	3
OR 505	Linear Programming	3
OR 531	Dynamic Systems and Multivariable Control I	3
OR 565	Graph Theory	3
ST 412	Long-Term Actuarial Models	3
ST 413	Short-Term Actuarial Models	3
ST 546	Probability and Stochastic Processes I	3

Semester Sequence

This is a sample.

First Year

Fall Semester		Hours
MA 141	Calculus I ^{1,2}	4
CH 101	Chemistry - A Molecular Science ²	3
CH 102	General Chemistry Laboratory ²	1

ENG 101	Academic Writing and Research	4
COS 100	Science of Change	2
GEP Requirement (h	ttp://catalog.ncsu.edu/undergraduate/gep-	3
	Hours	17
Spring Semester	liouis	
MA 241	Calculus II ^{1,2}	4
PY 205	Physics for Engineers and Scientists 1^2	3
PY 206	Physics for Engineers and Scientists I	1
1 1 200	Laboratory ²	
Introduction to Progra	amming Elective (p. 1) ²	3
GEP Health and Exe	rcise Studies (http://catalog.ncsu.edu/	1
undergraduate/gep-c studies/)	ategory-requirements/gep-health-exercise-	
GEP Requirement (h	ttp://catalog.ncsu.edu/undergraduate/gep-	3
category-requiremen	ts/)	
	Hours	15
Second Year		
Fall Semester		
MA 242	Calculus III ^{1,2}	4
MA 225	Foundations of Advanced Mathematics ^{1,2}	3
PY 208	Physics for Engineers and Scientists II 2	3
PY 209	Physics for Engineers and Scientists II Laboratory ²	1
GEP Health and Exe	rcise Studies (http://catalog.ncsu.edu/	1
undergraduate/gep-c studies/)	ategory-requirements/gep-health-exercise-	
OT 074	Introduction to Brobability and Distribution	2
51 3/1	Theory ²	3
51 371	Theory ² Hours	15
Spring Semester	Theory ² Hours	15
Spring Semester MA 341	Theory ² Hours Applied Differential Equations I ^{1,2}	15
Spring Semester MA 341 MA 405	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ²	3 15 3 3
Spring Semester MA 341 MA 405 ST 372	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ²	3 15 3 3 3
SF 371 Spring Semester MA 341 MA 405 ST 372 Free Elective	Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ²	3 15 3 3 3 3
SF 371 Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requiremen	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² ttp://catalog.ncsu.edu/undergraduate/gepts/)	15 3 3 3 3 3
SF 371 Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requiremen	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² tttp://catalog.ncsu.edu/undergraduate/gepts/) Hours	3 15 3 3 3 3 3 3 15
SF 371 Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requirement Third Year	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² ttp://catalog.ncsu.edu/undergraduate/gepts/) Hours	3 15 3 3 3 3 3 3 3 15
SF 371 Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requirement Third Year Fall Semester	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² ttp://catalog.ncsu.edu/undergraduate/gepts/) Hours	3 15 3 3 3 3 3 3 15
SF 371 Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requirement Third Year Fall Semester MA 407	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² ttp://catalog.ncsu.edu/undergraduate/gep-ts/) Hours Introduction to Modern Algebra for Mathematics Majors ²	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requiremen Third Year Fall Semester MA 407 Methods of Applied M	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² tttp://catalog.ncsu.edu/undergraduate/gep-ts/) Hours Introduction to Modern Algebra for Mathematics Majors ² Math Elective (p. 2) ²	3 3 3 3 3 3 3 3 3 3 3 3 3 3
SF 371 Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requirement Third Year Fall Semester MA 407 Methods of Applied N Applied Elective (p. 1	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² ttp://catalog.ncsu.edu/undergraduate/gep-ts/) Hours Introduction to Modern Algebra for Mathematics Majors ² Math Elective (p. 2) ² I)	15 3 3 3 3 3 3 3 3 3 3 3 3 3
Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requirement Third Year Fall Semester MA 407 Methods of Applied M Applied Elective (p. 1 Advanced Writing/Sp	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² ttp://catalog.ncsu.edu/undergraduate/gepts/ Hours Introduction to Modern Algebra for Mathematics Majors ² Math Elective (p. 2) ² I) peaking Elective (p. 1)	15 3 3 3 3 3 3 15 3 3 3 3 3 3 3
Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requiremen Third Year Fall Semester MA 407 Methods of Applied N Applied Elective (p. 1 Advanced Writing/Sp GEP Requirement (h category-requiremen	Introduction to Probability and Distribution Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² tttp://catalog.ncsu.edu/undergraduate/gep-ts/) Hours Introduction to Modern Algebra for Mathematics Majors ² Math Elective (p. 2) ² I) peaking Elective (p. 1) ttp://catalog.ncsu.edu/undergraduate/gep-ts/)	15 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requiremen Third Year Fall Semester MA 407 Methods of Applied M Applied Elective (p. 1 Advanced Writing/Sp GEP Requirement (h category-requiremen	Introduction to Probability and Distribution Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² tttp://catalog.ncsu.edu/undergraduate/gepts/) Hours Introduction to Modern Algebra for Mathematics Majors ² Math Elective (p. 2) ² I) peaking Elective (p. 1) ttp://catalog.ncsu.edu/undergraduate/gepts/) Hours	15 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requiremen Third Year Fall Semester MA 407 Methods of Applied N Applied Elective (p. 1 Advanced Writing/Sp GEP Requirement (h category-requiremen Spring Semester	Introduction to Probability and Distribution Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² http://catalog.ncsu.edu/undergraduate/gepts/ Hours Introduction to Modern Algebra for Mathematics Majors ² Math Elective (p. 2) ²) peaking Elective (p. 1) ttp://catalog.ncsu.edu/undergraduate/gepts/) Hours	15 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requirement Third Year Fall Semester MA 407 Methods of Applied N Applied Elective (p. 1 Advanced Writing/Sp GEP Requirement (h category-requirement category-requirement MA 425	Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² tttp://catalog.ncsu.edu/undergraduate/gepts/) Hours Introduction to Modern Algebra for Mathematics Majors ² Math Elective (p. 2) ²) peaking Elective (p. 1) ttp://catalog.ncsu.edu/undergraduate/gepts/) Hours Mathematical Analysis I ²	15 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requiremen Third Year Fall Semester MA 407 Methods of Applied N Applied Elective (p. 1 Advanced Writing/Sp GEP Requirement (h category-requiremen Spring Semester MA 425 MA 402	Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² tttp://catalog.ncsu.edu/undergraduate/gepts/) Hours Introduction to Modern Algebra for Mathematics Majors ² Math Elective (p. 2) ² I) ttp://catalog.ncsu.edu/undergraduate/gepts/ Mathematics Majors ² Mathematics Majors ² Mathematics Inference and Regression (p. 2) ² I) the eaking Elective (p. 1) ttp://catalog.ncsu.edu/undergraduate/gepts/ I) Mathematical Analysis I ² Mathematics of Scientific Computing ²	15 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Spring Semester MA 341 MA 405 ST 372 Free Elective GEP Requirement (h category-requiremen Third Year Fall Semester MA 407 Methods of Applied M Applied Elective (p. 1 Advanced Writing/Sp GEP Requirement (h category-requiremen Spring Semester MA 425 MA 402 Applied Elective (p. 1	Introduction to Probability and Distribution Theory ² Hours Applied Differential Equations I ^{1,2} Introduction to Linear Algebra ² Introduction to Statistical Inference and Regression ² ttp://catalog.ncsu.edu/undergraduate/gepts/) Hours Introduction to Modern Algebra for Mathematics Majors ² Math Elective (p. 2) ² I) beaking Elective (p. 1) ttp://catalog.ncsu.edu/undergraduate/gepts/) Hours Mathematical Analysis I ² Mathematics of Scientific Computing ² I)	15 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

GEP Requirement (http://catalog.ncsu.edu/undergraduate/gep- category-requirements/)		3
	Hours	15
Fourth Year		
Fall Semester		
Select one of the	e following: ²	3
MA 426	Mathematical Analysis II	
MA Elective (p. 2)	
Advanced Mathe	ematics Elective (p. 1) ²	3
Applied Electives	s (p. 1)	6
GEP Interdiscipli undergraduate/g perspectives/)	inary Perspectives (http://catalog.ncsu.edu/ ep-category-requirements/gep-interdisciplinary-	3
	Hours	15
Spring Semeste	er	
Advanced Mathe	ematics Elective (p. 1) ²	3
Applied Elective (p. 1)		3
Free Electives (2	2 courses)	5
GEP Interdiscipli undergraduate/g perspectives/)	inary Perspectives (http://catalog.ncsu.edu/ ep-category-requirements/gep-interdisciplinary-	2
	Hours	13
Total Hours		120

¹ A grade of C- or higher is required.

² At most one grade below a C- is permitted in Advanced Mathematics courses and at most one grade below a C- is permitted in courses satisfying the Basic Science requirements. No grades below a C- are permitted in Basic Mathematics courses.

Career Opportunities

Career Titles

- Actuary
- Architectural Drafters
- Astronomer
- Biophysicist
- · Computer and Information Scientists
- Computer Programmer
- Computer Systems Analyst
- Computer Systems Engineer
- Database Administrator
- Economist
- Elementary School Teacher
- Employee Benefits Analyst
- Epidemiologists
- Financial Analyst
- Financial Planner
- High School Teacher
- Insurance Claim Examiner
- Insurance Underwriter
- Market Research Analyst
- Materials Scientist
- Math Professor

- Mathematician
- Meteorologist
- Middle School Teacher
- Operations Research Analyst
- Physicist
- Software Developers Applications
- Statistician

Learn More About Careers

NCcareers.org (https://nccareers.org/)

Explore North Carolina's central online resource for students, parents, educators, job seekers and career counselors looking for high quality job and career information.

Occupational Outlook Handbook (https://www.bls.gov/ooh/) Browse the Occupational Outlook Handbook published by the Bureau of Labor Statistics to view state and area employment and wage statistics. You can also identify and compare similar occupations based on your interests.

Career One Stop Videos (https://www.careeronestop.org/) View videos that provide career details and information on wages, employment trends, skills needed, and more for any occupation. Sponsored by the U.S. Department of Labor.

Focus 2 Career Assessment (https://careers.dasa.ncsu.edu/explorecareers/career-assessments/) (NC State student email address required) This career, major and education planning system is available to current NC State students to learn about how your values, interests, competencies, and personality fit into the NC State majors and your future career. An NC State email address is required to create an account. Make an appointment with your career counselor (https:// careers.dasa.ncsu.edu/about/hours-appointments/) to discuss the results.

Focus 2 Apply Assessment (https://www.focus2career.com/Portal/ Register.cfm?SID=1929) (Available to prospective students) A career assessment tool designed to support prospective students in exploring and choosing the right major and career path based on your unique personality, interests, skills and values. Get started with Focus 2 Apply and see how it can guide your journey at NC State.

American Mathematical Society (https://www.ams.org/home/page/)

Society for Industrial and Applied Mathematics (https://www.siam.org/)