Student Success Map for **MATH BS** Concentration in Applied Math

	First Year	Middle Years	Final Year
Create Classroom Success	☐ Meet with your Math Department Advisor to review major requirements ☐ Take Calculus I & II ☐ Take Transition to Advanced Mathematics ☐ Tour the CORD and Champions' Hall to locate tutoring centers	☐ Talk to a professor about your career plans, a research project, and/or grad school ☐ Check in with your Math Department Advisor on your degree progress ☐ Take Programming Foundations, Calculus III and other advanced math courses	☐ Meet with your Math Department Advisor to confirm you are ready to graduate ☐ Take the Mathematics Major Seminar, Numerical Analysis and Advanced Calculus
Find Campus Belonging	☐ Attend HillFest in September ☐ Join an RSO and/or read the "One Community, One Book" selection ☐ Join the Math Club and SIAM chapter ☐ Tour the 3rd floor of SCEN to find the math majors' lounge, library and computer lab	☐ Increase your involvement in an RSO ☐ Volunteer with the Arkansas Math Discovery Day ☐ Continue to be involved in Math Club	☐ Mentor a first-year student ☐ Take on a leadership role in an RSO
Make Local & Global Connections	☐ Find a service project on GivePulse ☐ Check out options for Study Abroad ☐ Attend MASC Undergrad Colloquia ☐ Attend the weekly Math Department coffee hour in SCEN 350	☐ Explore on-campus jobs, especially Math Department tutoring, grading, or office work ☐ Study Abroad	☐ Attend MASC Undergrad Colloquia ☐ Attend Spring Lecture Series events ☐ Create professional social networking accounts, like LinkedIn, and add classmates & part UofA math graduates
Build Career Ready Skills	☐ Take the Career Readiness Assessment ☐ Find a mentor ☐ Explore the STEM Education program ☐ Via the UofA, download free software, like MathLab, Mathematica, etc.	☐ Complete the Career Launch program ☐ Explore the PACE microcertificate and/or UA Career Ready Badge ☐ Go to professors' office hours to build relationships and your network	☐ Take the Career Readiness Assessment ☐ Complete an internship ☐ Complete an REU
Prep for Post-Graduation	☐ Talk to a Career Coach about on-campus and/or summer jobs ☐ Create LinkedIn & Handshake profiles ☐ Make an affordability plan with a financial aid counselor	☐ Complete a Challenge Card assessment ☐ Attend the STEM Career Fair ☐ Explore Careers for Math SharePoint site ☐ Apply for college and departmental scholarships	☐ Attend the STEM Career Fair ☐ Conduct 3 career conversations ☐ Meet with a Career Coach and/or faculty member for assistance applying for grad programs or jobs

Career Info for **MATH BS** Concentration in Applied Math

What are the UofA Career-Ready Skills?

- Career and self-development
- Communication
- Critical thinking
- Perspective awareness
- Leadership experience
- Professionalism
- Teamwork
- Technology

What skills does this major develop?

- Logic and critical thinking
- Computer programming
- Problem solving
- Optimization
- Mathematical modeling
- Ability to analyze complex problems
- Use of computational tools
- Abstract reasoning

What graduate programs do majors often go into?

- Math
- Business
- Physics
- Education
- Data Science
- Computer Science
- Medicine
- Biostatistics

What careers do majors often go into?

- Math Teacher/Math Educator
- Actuary
- Quantitative Analyst
- Business Consultant
- Data Visualization Engineer
- Audience Analytics Coordinator
- Insight Analyst
- Business Intelligence Analyst
- Data Analyst
- Product Specialist
- Mathematics Researcher
- Librarian
- Software Testing Analyst
- Project Manager
- Work in publishing, development, libraries, media, education, law, healthcare, higher education, nonprofits, or so many others.
- Write your own story!

How do I start to plan my career?

☐ Complete the SparkPath Challenge Card activity online and then discuss your results with a career coach or career peer mentor. Talk about why it is important to you, how it relates to you and your previous experiences.

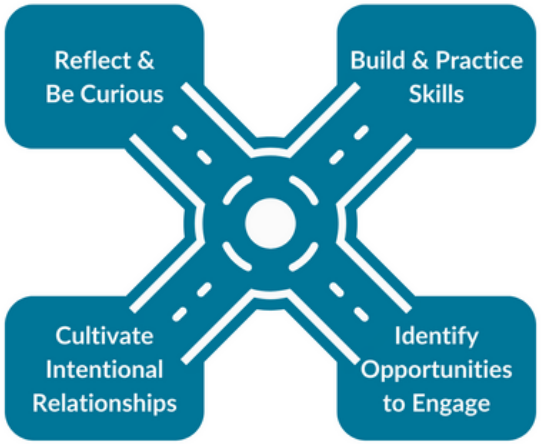
☐ What organizations are working on it?

☐ Which of these organizations appeal to me? What role would I like to have with them?

☐ What are my skills and how will I use them to work on this challenge?

☐ What skills, knowledge and experience do I need to develop to contribute more to the challenge?

☐ What is my plan to learn these things? Who can I connect with at the UofA for help?



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