

Mathematics Career Readiness Map for Academia

(General and Education Options)

First Years (First -Sophomore Years)

- Use [Worksheets](#) and [Option Maps](#) to start planning your degree.
- Be aware of planned [Course offerings](#)
- MATH 185-3: Learn from guest lecturers How to be a Mathematician (Fall only).
- MATH 110: Meet critical thinking requirement (Spring only).
- Complete Calculus sequence : Math 160-162-260.
- Take core Science: Phys 201, CS 111.
- Go to [STEM Success Center](#) to help you succeed in your classes.

Middle Years (Sophomore -Junior Years)

- Finish core Math courses: MATH 264, 350, 378, 441.
- Decide on an option in the major:
 - General: MATH 364, Science, Some Math electives
 - Education: Some of EDUC 350, 364, 422; MATH 314, 330, 410.

Last Years (Junior-Senior Years)

- MATH 430, 470.
- General: MATH 490+ and additional Math electives.
- Education: MATH 442/444 and Math electives.
- Consider MATH 498/499 for research experience

*Timeline for internship credit

– (6 to 9) months	– (1 to 2) months	– 1 month	– 1 week	Start of the intended semester	+ 1 month
Search for internship	Land internship	Ensure employer is in database	Place in academic internship in S4	Internship	Last date to place in internship before non-compliance

- Connect with a [faculty advisor](#) to help you map out your educational plan.
- Attend the typically biweekly [San Marcos Informal Mathematics In-person Colloquium](#).
- Attend annual public [Reid lecture](#) at CSUSM to learn from renowned speakers about the many facets of Mathematics.

- Create a [LinkedIn Profile](#) , [Handshake Profile](#), and resume for future opportunities.
- Explore [Career center tools](#).
- Free information from professional societies:
 - [AMS](#) for advanced studies.
 - [MAA](#) for K-12 and higher education.
 - [AWM](#) for Women mathematicians.

- [Work](#) as a tutor in [STEM Success Center](#) to get experience with students (apply at the end of preceding semester).
- Apply for a [Noyce scholarship](#) if you are interested in high school teaching and did well in Math 350 and beyond.
- Apply to [REU programs](#) ([AMS listing](#)).
- Join [AMS](#) , [MAA](#) and/or [AWM](#) as a student member at a discount.

- Apply to CSUSM [credential program](#) if you want to teach K-12.
- Create an elevator pitch.
- Our [Math Masters](#) program prepares you for doctoral studies and Community College employment: [Admissions requirements](#) .
- Attend career fairs.
- Do [Summer scholars](#) for research experience.
- Attend [regional MAA](#) conference.
- Give presentations in classes, at campus events or conferences

Curricular activities
(Inside the classroom)

Co-curricular activities
(Outside the classroom)