

GVSU Math Major Newsletter

This newsletter comes to your inbox each week from the [GVSU math department](#). You can find past newsletters and information about previously announced events and opportunities at the [newsletter webpage](#).

Upcoming events

Check out the [calendar of math major events](#) (add it to your calendar at <http://gvsu.edu/s/25s>).

Featured events:

- **Friday!** [Applied Math Seminar](#). Friday, Dec. 1 from 1-1:50pm in MAK A-2-155 or via Zoom. Join us this Friday for the last Applied Math Seminar of the semester. Prof. Xiaming Zheng from Central Michigan University will be presenting [A Darcy's law model of tumor growth](#).
- **new!** [Student research presentations](#): December 8, noon - 2:30 pm, in the PCS (MAK A-2-610). Come see your classmates present their math-related research projects! Stop in any time, or come for them all. Refreshments provided. See the [poster](#) for a schedule and list of topics.
- **new!** [Math Circle: Family Feud Math Edition](#). Friday, January 12 from 1:00-2:30pm in the PCS (MAK A-2-610). Bring your own team or come join ours. Come at any time and leave at any time. See this [flyer](#) for more information.

Opportunities

(extracurricular activities, internships, jobs, scholarships, conferences, etc.)

Featured opportunities:

- **new!** [Math Department Scholarship](#) (Application deadline: March 1, 2024): If you have a GPA of 3.2 or more and have completed at least 45 credit hours, then you may qualify for the **Math Department Scholarship**. This award of at least \$500 is meant to provide all students of math with a resource to invest in their education. Eligibility requirements and more details can be seen on [this flyer](#).

- **new! Donald and Barbara VanderJagt Mathematics and Athletics Scholarship** (Application deadline: March 1, 2024): Are you an athlete and a math major? You may qualify for the Donald and Barbara VanderJagt Mathematics and Athletic Scholarship. This award is up to \$2000, and meant to recognize students who are committed to mathematics and athletics. More details about eligibility requirements can be seen on [this flyer](#).

Internship and Career Opportunities:

- **Advanced Technology Research Center Summer Program.** The ATRC Summer Program is a research internship bringing together experts from the U. S. Air Force, universities, and industries to address sensing, machine learning, autonomy technologies, sensor signal exploitation, object detection, tracking and recognition, navigation, geolocation, computational innovations and security, to enhance Air Force capabilities. The program typically employs more than 60 interns from the top U.S. research universities to work with accomplished mentors and researchers. Applications are now open for Summer 2024. Applications and more information can be found via: <https://udayton.edu/engineering/atrc/index.php>.
- **Mathematics Summer Internships at the National Security Agency - Summer 2024.** Applications for summer 2024 will open on September 1, 2023 for the Director's Summer Program, Cryptanalysis and Signals Analysis Summer Program, and Graduate Mathematics Program. These 12 week paid internships provide students with the opportunity to work directly with NSA Mathematicians on mission-critical problems and experience the excitement of the NSA mathematics community. Applications can be found via www.intelligencecareers.gov/nsa starting on September 1, 2023.
- **The GVSU Career Center** has a number of events and resources to help while pursuing internship and career opportunities:
 - **Employer Showcase:** For 11 weeks this fall, employers will host informational tables on campus. This is a low-risk way to begin networking. Look for a different set of career communities to be featured in the winter semester.
 - **Career Communities:** Students are encouraged to join a career community to receive direct communication regarding job & internship postings, events, and resources related to the industry area they are interested in.
 - **Resume AI:** In addition to offering drop-in hours virtually and in-person via our [CareerLab](#), we also have a new tool called Resume AI to offer resume support. Students can scan their resume and get immediate feedback.
 - **Scholarships for students with unpaid internships** - up to \$500

Extracurricular Programs and Opportunities:

- **new! Student Essay Contest.** To increase awareness of women's ongoing contributions to the mathematical sciences, the Association for Women in Mathematics (AWM) and Math for America co-sponsor an essay contest for biographies of contemporary women

mathematicians and statisticians in academic, industrial, and government careers. The essays will be based primarily on an interview with a woman currently working in or retired from a mathematical sciences career. Deadline Feb. 1 2024.

- [**Budapest Semesters in Mathematics Education \(BSME\)**](#). Summer@BSME is a 6-week summer program, designed for those interested in the learning and teaching of secondary mathematics. Participants explore the Hungarian pedagogy, in which a strong and explicit emphasis is placed on problem solving, mathematical creativity, and communication. Admission is rolling, with applications due April 1.

Scholarships and Fellowships:

- [**MI Future Educator Fellowship**](#). The MI Future Educator Fellowship offers a \$10,000 scholarship to up to 2,500 future educators every year. This fellowship is renewable for up to three years. Visit the website to check your eligibility and to apply now!
- [**Science, Mathematics and Research for Transformation \(SMART\) Scholarship for Service Program**](#), Deadline: December 1.
SMART Scholarship Program is an opportunity for students pursuing an undergraduate, graduate or doctoral degree in Science, Technology, Engineering, and Mathematics (STEM) disciplines to receive a full scholarship and be gainfully employed upon degree completion at the U.S. Department of Defense. Includes full tuition and a generous annual stipend and other benefits. Undergraduate applicants must be currently enrolled in a U.S. college or university. Graduate applicants can be either currently enrolled in a U.S. university or awaiting notification of admission. For more information visit: <http://www.smartscholarship.org/smart>.

Graduate School:

- [**UC Davis Graduate Math Info Sessions**](#). UC Davis will be hosting two virtual information sessions on November 30 and December 1 for any prospective math or applied math graduate students. Please see this [flyer](#) for more details and to register.

Conferences:

- [**The 2024 Joint Mathematics Meeting**](#). January 3rd - January 6th, 2024 in San Francisco, CA at the Moscone Center.
Considered the largest mathematics gathering in the world, the JMM partners with several math organizations, including the American Mathematical Society (AMS) and the American Institute of Mathematics (AIM), to give mathematicians opportunities to promote their research. Registration will be open by August 28th, 2023; registration fees info can be found [here](#). Deadline for Abstract Submission: September 12, 2023. [How to Submit an Abstract](#). [How to Present a Paper](#). There are travel scholarships available, with applications opening September 1, 2023. Find out more about [travel scholarships here](#).

Save the date

Put these dates on your calendar!

- Classes end: December 9
 - Final Examinations: December 9-16
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One important thing to know

Are you ready to fill out your **FAFSA**? The [Free Application for Federal Student Aid](#) is used for a lot more than federal student aid. Many scholarships require or encourage you to fill out the FAFSA to check for eligibility, and if you file your FAFSA before searching in [myScholarships](#) you can increase the number of scholarship opportunities you're matched with. Even if you don't expect to need federal loans or grants, you should still plan to fill out the FAFSA.

FAFSA applications will open on December 1, 2023 and are due by March 1, 2024. For details, check out GVSU's [FAFSA page](#).

If you have any questions about the newsletter, suggestions for things to add, or general advising questions, please email me!

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