About Ewgis:

Ewgis aims to address socioeconomic disparities in access to scientific research and professional opportunities, and it reflects Girls in STEM's commitment to advancing excellence in STEM fields while encouraging close collaboration between academics or professionals and High School students.

Ewgis Research Institute

The Ewgis Research Institute(further "ERI") is a transformative **two-month program** dedicated to fostering academic and research excellence among young women in STEM fields. Beyond mentorship, networking, and skill development, participants actively contribute to faculty-led theoretical research projects, receiving personalized guidance from professors, postdoctoral researchers, or PhD candidates.

In 2022, 127 students were awarded scholarships to conduct **faculty-led theoretical research**. They also receive one-on-one mentoring from professors, postdoctoral researchers, or PhD candidates who are familiar with the student's research area.

In addition to scholarships and mentorship, ERI provides access to training and opportunities to develop skills, as well as workshops, panel discussions, social events, and other activities.

At the end of the program, students are awarded an **Ewgis Scholar certificate.**

Questions should be delivered to ewgis@girlsinstem.org.

Components of the Program:

- **Mentorship:** Engage in one-on-one mentoring with experienced professionals in diverse STEM disciplines. Receive guidance on academic pursuits, industry insights, and building a successful STEM career.

- **Networking Opportunities:** The program will facilitate networking events, allowing participants to connect with professionals, peers, and industry leaders. These interactions will provide valuable insights and potential opportunities for collaboration.

- **Skill Development Workshops:** Participants will have access to workshops covering essential skills for STEM professionals, such as effective communication, project management, and leadership. These workshops aim to equip participants with the tools necessary for success in their chosen fields.

- **Panel Discussions:** Engaging panel discussions featuring successful women in STEM careers will provide inspiration and practical advice. Participants will have the opportunity to ask questions and gain insights into the diverse paths that can be pursued in STEM.

- **Career Exploration:** Through interactive sessions and projects, participants will explore various STEM professions, helping them make informed decisions about their future careers.

- **Academic Research Paper:** Engage in faculty-led theoretical research projects, exploring cutting-edge topics within STEM disciplines. Explore the possibility of having the research paper published in academic journals or other platforms.

Benefits

- **For high school students**, high school juniors (16 y.o.) to college juniors (21 y.o) or equivalents: The program provides an opportunity to carry out your own mentored research project during 2 months.
  - Engage in a **2-month mentored research study.**
  - Connect with **mentors from STEM fields** and fellow students.
  - Explore **new academic opportunities from prestigious universities.**
  - Access a **free learning platform and educational resources.**
  - Possibility of getting your **research published.**
- **For graduate and postdoctoral mentor participants**: The program offers the opportunity to mentor a young scholar and share your individual path journeys and experiences.
  - Mentor a young scholar and share your experiences.
  - Earn a Girls in STEM certificate and recommendation letter by volunteering **40 hours**.
  - Network with other professionals/academics.
  - Join the Girls in STEM community for special benefits like merchandise and webinar access.

Requirements & Eligibility

Any **high school juniors (16 y.o.) to college juniors (21 y.o)** with majors or intended majors in the following departments are eligible to participate in the Ewgis Research Institute: Mathematics, Engineerings, Biology, Chemistry, Computer Science, Environmental Science, Neuroscience & Behavior, Physics & Astronomy, and Psychology are some of the disciplines available.

It should be noted that **all students who wish to participate in ERI** must complete the program application by the deadlines specified.

Mentee Eligibility

- Eligible participants must be **high school juniors (16 y.o.) to college juniors (21 y.o.)**.
- A preferred minimum GPA of at least 3.0 in both the previous semester and cumulatively.
- **Enrollment conditions:** Applicants who have submitted and then withdrawn an application during the current cycle are not eligible to reapply until the next application cycle.
- Girls in STEM requires a commitment of **4 hours of independent work** on your project and a minimum of **one weekly meeting lasting 2 hours** with your mentor. **In total, a minimum time commitment of 6 hours is required for a mentee**.
- The signing of the **Mentee Commitment Agreement is mandatory**.
  - For applicants under 18 years old, both **the student and parents must sign this agreement**, solidifying a shared commitment to the program.

Application includes:

- **Ewgis-Specific Application Questions**

  In the application, mentees must also answer specific questions from Ewgis so that the Admissions Committee can get a more complete picture of them as individuals —including their academic, extracurricular and intellectual interests. These questions allow us to better understand mentee's intellectual curiosity, habits of mind, love of learning and sense of self.

- **Supplementary Materials**

  Supplementary materials are not required as part of our admissions process, but they can help us better understand mentee's application in some cases.
  - Resume

Mentor Eligibility

- Graduate student / postdoc / professor with recent research experience in any STEM field.
- All fields are welcome, including disciplines in the humanities and social sciences, as long as they intersect with STEM.
- A commitment to guiding and supporting mentees in their academic journeys is essential.
- Girls in STEM requires a commitment of at least **one weekly meeting lasting 2 hours from mentors**.
- **Mentor Commitment Agreement** signed by the applicant

Selection Process

Ewgis does not select mentees/mentors based on their previous academic achievements. Applications will be carefully reviewed to determine who is dedicated and determined to complete a largely independent program, who genuinely desires to do science research, and who would struggle to gain research experience as a high school student/ university student without us.

The selection process aims to ensure a strong match between mentors and mentees, fostering meaningful and effective mentorship relationships.

Selection of Mentees

- The Girls in STEM team will select mentees based on their demonstrated motivation, compatibility with a specific mentor, and additional considerations such as socioeconomic background, academic performance, and involvement in extracurricular/curricular activities.
  - Priority will be given to applicants from l**ow-income families**.
- Pre-selected candidates will proceed to the **interview stage** conducted by the Girls in STEM team and volunteers.
- Any **false declarations may result in the exclusion of the applicant from the program** with no possibility of reapplying.
- Decisions made by the Girls in STEM team are final and **cannot be appealed**.

It is **mandatory** that all ERI mentees attend the first webinar "**Introduction to Research**" prior to the opening ceremony.

Selection of Mentors

- The Girls in STEM team will select mentors based on their **prior experience in the relevant field** of expertise and their **availability for time commitments**.
- Applicants without previous experience in research will be disqualified.
- Any false declarations **may result in the exclusion of the applicant from the program with no possibility of reapplying**.
- Decisions made by the **Girls in STEM team are final and cannot be appealed**..

Timeline:

Jan 25th - Feb 29th: Applications for Mentees/Mentors Open
Mar 1st -Mar 7th: Results Announcement of Mentees/Mentors - Accepted, Waitlisted, Rejected
Mar 14th: Ewgis Opening Ceremony
Mar 15th - May 9th: Program Duration - Webinars, Special Guests, Experience Exchange, Mentorship
May 10th: Ewgis Closing Ceremony