



**ZONTA**

CLUB OF  
DALLAS

MEMBER OF ZONTA INTERNATIONAL

**EMPOWERING WOMEN**  
THROUGH SERVICE & ADVOCACY

# **Ruth Maddox Young Women in Science, Technology, Engineering and Math (YW in STEM)**

## **2024 APPLICATION**



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## **Ruth Maddox Young Women in Science, Technology, Engineering and Math (STEM) Award**

*A Zonta Club of Dallas Program, Funded by the Zonta Club of Dallas Foundation*

### **General Information**

The goal of the Zonta Club of Dallas Ruth Maddox Young Women in Science, Technology, Engineering and Math (YWinSTEM) Program is to encourage more young women to participate in science, technology, engineering and math by committing to a higher education curriculum in science, technology, engineering and/or math, while also encouraging leadership achievements in science, technology, engineering and/or math and a dedication to the advancement of the status of women.

In order for more women to be represented in key decision making positions worldwide, we must encourage young women to pursue careers, or seek leadership positions in science, technology, engineering and math and further their education with these aims in view.

The progress of women in the last century has dramatically increased the opportunities available to women, yet women's participation in positions of leadership in science, technology, engineering and math continues to lag behind. "While women receive over half of bachelor's degrees awarded in the biological sciences, they receive far fewer in the computer sciences (18.2%), engineering (19.2%), physics (19.1%), and mathematics and statistics (43.1%) (NSF, Women, Minorities, and Persons with Disabilities in Science and Engineering, 2015)." Women make up 48% of the total U.S. workforce, but are much less represented than men, approx. 25% to 75%, in high-paying careers like engineering, computer science and finance occupations according to the US Census Bureau and the Pew Research Group. In recent decades, the STEM workforce has grown rapidly, with the Bureau of Labor Statistics projecting continued uptake and even a boost in employment following the coronavirus pandemic. STEM occupations made up 6.1% or 10 million of the 162.8 million jobs nationwide in 2019, according to the Bureau of Labor Statistics (BLS).

### **The Awards**

Zonta Club of Dallas provides this \$1500 award to qualified recipient(s) through the Zonta Club of Dallas Charitable Trust Foundation.

### **Who is Eligible?**

Women of age 16-19 and living or studying in the Dallas area at the time the application is submitted to the Zonta Club of Dallas and demonstrate evidence of the following, are eligible to apply.

- Currently attending high school in the Dallas area and on track to graduate at end of Spring 2024 semester

- **Confirmed full time attendance in a science, technology, engineering and/or math curriculum at an accredited university/college/institute for the Fall 2024 semester**
- Academic Achievement
- Experience in local or student science, technology, engineering and/or math clubs/organizations
- Volunteer/community involvement leadership achievements.
- Knowledge of Zonta International and its programs.

### **Application Requirements**

- Completion of the official application
- Verification of current enrollment by school official.
- Two confidential recommendations from adults, not related to the applicant, such as teachers, school officials or community leaders.

Supporting documentation not requested will not be considered. All applications and supporting information become the property of Zonta Club of Dallas. Zonta Club of Dallas has final authority over any aspect of the Awards.

Please give one of the attached recommendation forms to those providing recommendations. IF THE RECOMMENDATION WILL BE SENT SEPERATELY FROM THE APPLICATION THEN APPLICANT NEEDS TO PROVIDE THE NAME OF THOSE WHO WILL SUBMIT RECOMMEDNATIONS WITH THE APPLICATION.

### **Application process**

All application materials must be **received** at zontaywinstem@yahoo.com (as either plain PDF or word document) by April 18, 2024.



**Please answer all questions below, noting the word limit for each.** Preference will be given to those applicants who observe the word restrictions. **In evaluating applications all questions are rated in equal value.**

### **Question**

#### **1. Why Science, Technology, Engineering and/or Math is your passion?**

Please include what you find most rewarding or valuable about your participation in these activities. *(200 words maximum)*. Please provide the word count at the end of your answer.

#### **2. What do you want to achieve through your pursuit of science, technology, engineering and/or math?**

Describe your goals in pursuing a science, technology, engineering and/or math major/curriculum at an accredited university/college.

*(200 words maximum)* Please provide the word count at the end of your answer.

#### **3. Science, technology, engineering and math (STEM) activities or interest**

Describe the activities you participate in that support science, technology, engineering and/or math. Include any leadership positions or innovations you initiated. *(200 words maximum)* Please provide the word count at the end of your answer.

#### **4. Volunteer/community involvement activities or interest**

Describe the activities you participate in that show your support of the world around you or benefit your community. Include any leadership positions and describe any national or international experience. *(200 words maximum)* Please provide the word count at the end of your answer.

#### **Checklist to be completed by applicant:**

- Verification of current enrollment by school official
- Completed application materials, typed and in English
- Two confidential recommendations
- Applicant's Signature







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## Verification of Current Enrollment and GPA Ruth Maddox Young Women in Science, Technology, Engineering and Math (YW in STEM) Award

Please return this form by: April 18, 2024  
To Zonta club of: Dallas  
Email: zontaywinstem@yahoo.com

School: \_\_\_\_\_

I certify that \_\_\_\_\_ is scheduled to graduate  
(name)

on \_\_\_\_\_ at \_\_\_\_\_  
(graduation date) (name of school)

\_\_\_\_\_  
(school address)

\_\_\_\_\_  
Date Signature of School Official

\_\_\_\_\_  
(Official School Stamp)