



ASTM INTERNATIONAL  
Helping our world work better

## **ASTM International**

### **Katharine and Bryant Mather**

This award honors Katharine and Bryant Mather, who by their leadership, dedication, determination, and technical knowledge exemplified the qualities honored by this award. For more information on Katharine and Bryant Mather, [click here](#).

### ***ASTM INTERNATIONAL KATHARINE AND BRYANT MATHER SCHOLARSHIP***

This scholarship is presented each year, contingent upon available funds, to full time undergraduate students completing their second/sophomore year of college, or later, or graduate students who are pursuing degrees specializing in cement or concrete materials technology, or concrete construction. Each recipient of the Katharine and Bryant Mather Scholarship shall receive up to \$7,500 to be used for their educational expenses and up to \$1,500 to cover expenses to attend a Committee C09 meeting. This award is administered by ASTM Committee C09 on Concrete and Concrete Aggregates.

#### **Scholarship Forms**

- [Scholarship Application](#)
- [Scholarship Reference Form](#)

## **Katharine and Bryant Mather**

Katharine and Bryant Mather together contributed in excess of 100 years from their careers to investigations and research on the effects of various concreting materials and construction techniques, and on the ability of hydraulic-cement concretes to remain durable under various aggressive exposure conditions found in today's environment. A considerable portion of their efforts was directed toward applying the knowledge they gained to the development of standards.

Katharine Kniskern Mather (1916-1991) received her A.B. (1937) in Geology from Bryn Mawr College and was a doctoral student in Geology (1937-1940) at Johns Hopkins. She was employed as a Research Assistant (1939) at Johns Hopkins; Research Associate (1940-1941) at the Chicago Field Museum of Natural History; and a Geologist (1942-1982) for the Army Corps of Engineers at the Waterways Experiment Station in Vicksburg, MS. There she served as the Chief (1947-1976) of the Petrography and X-Ray Branch in the Engineering and Sciences Division of the Concrete Laboratory; Chief (1976-1980) of the Engineering Sciences Division; and Special Technical Assistant (1980-1982) in the Structures Laboratory.

Bryant Mather (1916-2002) graduated with an A.B. (1936) from Johns Hopkins. He was employed as an assistant curator of minerals (1939-1941) at the Chicago Museum of Natural History; a geologist (1941-1942) and concrete research engineer (1942-1946) at the U.S. War Dept. Concrete Laboratory; and then went to work for the U.S. Army Corps of Engineers in Mississippi. His positions there include Chief of the Special Investigative Branch of the Concrete Division (1946-1965); Assistant Chief and Chief (1965-1992) of the Structural Laboratory; and Director of the Structural Laboratory until his retirement some years before his death.

**On Sept. 25, 2001, the U.S. Army Corps of Engineers named the lab where the Mathers worked for 50 years "The Katharine and Bryant Mather Building."**

# **ASTM International Katharine and Bryant Mather Scholarship**



**Application Of:**

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(applicant's name)

**Application Deadline: April 30**

**ASTM International  
100 Barr Harbor Drive  
West Conshohocken, Pa 19428-2959**

**Attention: Scott Orthey  
sorthey@astm.org**

**NOTICE TO APPLICANT: Please read the “Instructions To Applicant” and the  
“Criteria of Qualifications” sections of this application thoroughly.**

**Applicant's Name:** \_\_\_\_\_  
(First) (Middle/Maiden) (Last)

**Home Address:** \_\_\_\_\_  
(Street) (E-Mail Address)

\_\_\_\_\_  
(City) (State) (Zip)

**E-Mail Address:** \_\_\_\_\_

**Telephone Number:** \_\_\_\_\_

**Related Work Experience:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Financial Aid Office Contact:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
(Number, Street, City, State, Zip)

**E-Mail Address:** \_\_\_\_\_

**Telephone Number:** \_\_\_\_\_

**I (applicant) hereby apply for a scholarship, which will enable me to obtain/continue my education at:** \_\_\_\_\_

\_\_\_\_\_  
(College, University, etc.) (City, State)

semester beginning \_\_\_\_\_ and ending \_\_\_\_\_  
(month/day/year) (month/day/year)

**My class standing will be (Junior, Senior, Post Grad.):** \_\_\_\_\_

**My intended vocation is:** \_\_\_\_\_

**My major is:** \_\_\_\_\_

**Educational History (post High School)**

**SCHOOL** \_\_\_\_\_ **LOCATION** \_\_\_\_\_ **DATES (FROM B TO)** \_\_\_\_\_

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**PLEASE INDICATE THE FOLLOWING:**

**Honors received:** \_\_\_\_\_

**Professional Societies** \_\_\_\_\_

**Clubs or fraternities:** \_\_\_\_\_

**Extracurricular activities:** \_\_\_\_\_

**Military Service:** \_\_\_\_\_

**Hobbies:** \_\_\_\_\_

**ADDITIONAL INFORMATION:**

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**SCHOLARSHIP AWARDS INFORMATION SHOULD BE SENT TO THE FOLLOWING ADDRESS:**

(Please Note: If information is not provided, scholarship awards information will be sent to the address listed in the "home address" section on the previous page.)

**Name** \_\_\_\_\_

**Address:** \_\_\_\_\_

(Number, Street, City, State, Zip)

### ***INSTRUCTIONS TO APPLICANT***

1. This application has been prepared as a means of obtaining necessary information regarding the applicant. The applicant is required to give all information requested (unless noted as “optional”). Read the contents carefully and understand each question and all information requested.
2. No consideration will be given to carelessly prepared or incomplete applications, answers must be legible
3. Every question and statement must be answered and submitted. Do not answer any question with a check mark. If the answer is “none” or “does not apply”, it should be so stated. If spaces are inadequate for some answers, use a separate sheet.
4. The following must be received by ASTM International, Pennsylvania HQ Office no later than April 30th
  - The forms Scholarship Application and Scholarship Reference Form (completed by teacher and/or faculty members)
  - An up-to-date copy of the applicant’s official college transcript of academic record
  - A one-page narrative from the applicant explaining interest in, and any experience or accomplishments toward, a career in cement technology, concrete materials technology, or concrete construction. The narrative should highlight qualities of good character and include career plans.
5. You consent to our contacting references and schools, and/or confirming any information provided in this application.

### **“CRITERIA OF QUALIFICATION” OF STUDENT APPLICANTS**

ASTM International may establish reasonable and operable procedures and qualifications for determining the selection of the student or students considered as recipients of scholarships from the Katharine and Bryant Mather Fund, provided they are not in conflict with criteria or guidelines herein stated, and as follows:

1. The student applicant shall agree that the use of scholarship funds shall be predicated on his or her enrollment or the continuance of education in a recognized and/or accredited school such as college or university or as may be acceptable to ASTM International. The approved fund shall be used for such purposes as tuition and fees unless otherwise determined by ASTM International.
2. A record of evidence of satisfactory scholastic or school grades, ability, ambition, and continuance of education shall be submitted.
3. Any unused scholarship funds shall be returned to ASTM International at the end of the academic year. The maximum number of years that funds may be granted a student is two years. All students desiring continuation of funding must make application each year using the appropriate forms.

I solemnly affirm to the correctness of the information supplied in this Application, and that I have thoroughly read and understand the “Instructions to Applicant” and the “Criteria of Qualification” as transmitted herewith. If scholarship is provided, I agree and promise to use it for no other purpose than as set forth in the “Criteria of Qualification”.

**APPLICANT'S PRINTED NAME** \_\_\_\_\_

**APPLICANT'S SIGNATURE** \_\_\_\_\_

**APPLICANT REQUIRED TO HAND PRINT AND SIGN NAME**

ASTM International  
Katharine and Bryant Mather Scholarship  
Faculty Reference Form

ASTM International  
100 Barr Harbor Drive  
West Conshohocken, Pa 19428-2959  
Attention: Scott Orthey  
sorthey@astm.org

Date:

Applicant's Name:

Note: The scholarship applicant will forward this form to the faculty member providing a reference. Individuals providing references should complete this form fully and send it to ASTM International by April 30. The ASTM International Katharine and Bryant Mather Scholarship Selection Task Group will hold comments in strict confidence.

Pertaining to Applicant

1. I have known the applicant for \_\_\_\_\_ years.
2. My relationship with the applicant is:

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Please attach your one page recommendation related to the student's ongoing education in the field or either cement technology, concrete materials technology, or concrete construction. The recommendation should include information about the applicant's scholastic ability and dedication to the field of study.

Pertaining to Individual Providing Reference

Name \_\_\_\_\_ My Profession is \_\_\_\_\_

I teach \_\_\_\_\_

University or Educational Institution \_\_\_\_\_

Address \_\_\_\_\_  
City State Zip

Email \_\_\_\_\_ Telephone \_\_\_\_\_

Signature \_\_\_\_\_