

Requirements – Edward K. Rice and William C. Bailey Memorial 2012 Scholarships

ELIGIBILITY:

- Full-time student during entire scholarship year in the U.S. or Canada
- Graduate or Undergraduate Students with a minimum of 3 years completed coursework
- Study area in the area of concrete structures with an emphasis on structural design, materials, construction, or any combination thereof with a clear focus on post-tensioning design and application. Graduate research in post-tensioned concrete design and application will be considered.
- Student must have a minimum 3.0 GPA in a bachelor's or master's program from an institution of higher education which is accredited by the responsible regional or national agency
- All applicants must be proficient in the English language. If English is not your native language, a written statement must be attached to this application attesting to this proficiency.

APPLICATION:

Only one application need be submitted to qualify for both the Edward K. Rice and William C. Bailey scholarship programs. The application must include the following:

- Completed application form
- One-page resume
- An essay describing the applicant's thoughts and interest in post-tensioning and its relation to his/her career objectives (1 to 2-pages, 1500 words maximum)
- All undergraduate and graduate transcripts from all universities attended. Transcripts are only accepted if:
 - 1) They are original documents. Unofficial transcripts, copies of transcripts, faxed, or emailed transcripts are not acceptable under any circumstance.
 - 2) They are mailed directly from the university or
 - 3) They are mailed by the student but are in a sealed envelope with a university stamp over the seal.

- 4) They are in English or accompanied by a translated English version as well as an explanation of the grading scale if different from the 4.0 scale used in the United States.

If transcripts sent to PTI have a different last name than what appears on your application (maiden name), be sure to note it in parentheses on the name line of this application.

- Scheduled classes for **Winter/Spring 2012** school term.
- Two (2) completed reference forms, one of which shall be from the student's faculty sponsor. Reference forms are statements of evaluation of the applicant, in terms of potential for growth, character, leadership capacity, and career interest, which are required from two evaluators. One reference form must be from a faculty member. All reference forms must be submitted in English. It is the applicant's responsibility to ensure that all application materials are received by the deadline.
- Applicant Certification attesting to the accuracy of the submitted application information.

The application package should be e-mailed to Ted.Neff@post-tensioning.org.

The application, resume, essay and applicant certification should be sent together in one e-mail package. Hard copies of applications, resumes, and essays will not be accepted. A return e-mail will be sent to you acknowledging receipt of your submittal.

The deadline for all application materials is before midnight 11:59 p.m. EST on **November 1, 2011**. Please be sure that your name is on every piece of material submitted.

This scholarship can be withdrawn for failure to comply with any of the items above.

Edward K. Rice Scholarships

This award was established in 2010 to honor Edward K. Rice for his exceptional contributions to the post-tensioning industry. Mr. Rice is currently the chairman of CTS Cement Manufacturing Corporation in Cypress, California. He has been intimately involved with the development of prestressed concrete, and is a pioneer of post-tensioned concrete in the U.S. In 2005, he was elected as one of PTI's Legends of Post-Tensioning for his outstanding contributions to the industry over the years.

Ed Rice graduated in Engineering from Berkeley receiving a B.S. Degree in 1949 and a M.S. in 1951. He then joined the faculty of UCLA as a lecturer in Engineering, where he conducted research on prestressed concrete. In 1952, Ed helped organize an International Conference on Prestressed Concrete at UCLA. At the conference in UCLA Ed met his former professor T. Y. Lin and formed T. Y. Lin and Associates (TYL&A) in an extra room in his house with one employee, a part time student named Herm Reuter. He also started Western Concrete Structures to make and install button head post-tensioning tendons and perform the lifting of slabs for lift slab construction. As lift slab construction became very popular in California and Nevada both T. Y. Lin and Western Concrete Structures prospered.

In 1958 Mr. Rice sold his interests in Western Concrete Structures to concentrate his efforts on TYL&A. In the 1960's when TYL&A was designing a number of post-tensioned shell structures he realized that the anchorage systems available were too large to be used on the thin shells. He began to develop a strand post-tensioning system with a small coil anchor using 3/8" strand. The coil anchor is considered to be the predecessor of the current anchor used in all unbonded pos-tensioned applications and has revolutionized the use of unbonded post-tensioned construction throughout the world.

Ed's brother, Charles Rice, started Atlas Service Corp. to do the forming and post-tensioning on long span parking structures, utilizing button headed tendons. With Charles, Ed developed the twin cylinder stressing jack that is commonly used in all unbonded post-tensioning applications. They also developed an automatic strand wrapping machine for the seven wire strands. All of these inventions made strand systems economically viable. Charles Rice formed Atlas Prestressing Company with a license from Ed on the anchorage design.

Ed has worked on a number of major post-tensioned structures including the 909 3rd Ave. (FDR Post-Office Building) in New York City a 1.5 million square foot facility with 40 stories. The International Towers Apartment Building in Long Beach, CA and numerous parking structures in the United States.

Three scholarships of \$2,500 each will be awarded for the Winter/Spring 2012 school term.

Award recipients will be selected and announced December 9, 2011. In addition, the award recipient and their faculty advisor will be honored at an awards ceremony that will be held in conjunction with the Post-Tensioning Institute's 2012 Annual Technical Conference. The student and one of his/her faculty advisors will be invited to attend the conference and awards presentation at PTI expense.

Key Dates:	
November 1, 2011	Deadline for returning application and required information
December 9, 2011	Scholarship recipients announced
May, 2012	Awards Ceremony – 2012 PTI Technical Conference

William C. Bailey Memorial Scholarships

This award was established in 2008 to honor William C. Bailey for his exceptional contributions to the post-tensioning industry. Mr. Bailey, deceased, was a Fellow of PTI and was an active member over his 30-plus year career in the post-tensioning industry. He served as PTI President in 1993-1994 and as Chairman of the Unbonded Tendon Committee. Funding has been provided by many of his peers and long-time friends in the industry. The scholarship is for undergraduate (senior level) and graduate study in the field of concrete structures with an emphasis on structural design, materials, construction, or any combination thereof with a clear focus on post-tensioning design and application.

Three scholarships of \$2,500 each will be awarded for the Winter/Spring 2012 school term.

Award recipients will be selected and announced December 9, 2011. In addition, the award recipient and their faculty advisor will be honored at an awards ceremony that will be held in conjunction with the Post-Tensioning Institute's 2012 Annual Technical Conference. The student and one of his/her faculty advisors will be invited to attend the conference and awards presentation at PTI expense.

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