

Rotary District 5790

2013-2014 Rotary Ambassadorial Scholarship Application

District 5790 Rotary Ambassadorial Scholarships will be used to fund **post-baccalaureate** study at a recognized university in a non-U.S. country in a study discipline that supports the Object of Rotary and the Mission of The Rotary Foundation (see www.rotary.org).

Applicants' planned studies must:

Lead to sustainable, high-impact outcomes in one of the following six Areas of Focus:

- (a) Peace and conflict prevention/resolution;
- (b) Disease prevention and treatment;
- (c) Water and sanitation;
- (d) Maternal and child health;
- (e) Basic education and literacy; and/or
- (f) Economic and community development

Applicants must submit this application and all supplementary sheets completed in full to a Rotary club in District 5790. All Required Documents (see page 6) must reach the District Rotary Ambassadorial Scholarships Chair no later than April 1, 2013. Applicants are not to forward this application to The Rotary Foundation or to Rotary International.

Interviews will be held only on April 6, 2013; if an applicant is unable to be interviewed in person that day, due to scheduling conflicts, he/she will not be eligible for consideration for a scholarship.

Note: Applicants must be a resident of or attending school in District 5790.

SECTION 1 – APPLICANT INFORMATION

Contact Information

Applicant:

Family Name Adkins First Name: Justin R.

Gender: Male Female

Permanent Address: 1000 Shana Court
Arlington, TX 76014

E-Mail Address: Justin.Adkins@usma.edu

Primary Phone: 972-489-6383

Secondary Phone: None

Country of Citizenship: USA

Emergency Contact Name: Shelly Adkins

Primary Phone: 682-561-8206 Secondary Phone: _____

E-Mail Address: sfa456@yahoo.com

Places (with dates) that applicant has lived during the past 5 years:

Dates: Places:

2009-2013	West Point, NY
2008-2009	Arlington, TX

Languages and Education

List the languages you speak (including native language) and your proficiency level.

Language	Proficiency
English	Fluent
Spanish	Intermediate
Portuguese	Intermediate

List the two educational institutions you have attended most recently.

Name of Educational Institution Major Degree Earned or Expected Date From Date To

United States Military Academy	BS in Civil Engineering (with Honor	June 2009	May 2011
Arlington High School	International Baccalaureate Diploma	Aug 2005	June 2009

Employment/Volunteerism History

List most recent first.

Employer/Volunteer Organization Title or Type of Work Date From Date To

US Army	Cadet	June 2009	Present
US Army Corps of Engineers	Intern	June 2012	July 2012
Southern Baptist Convention	Volunteer	Oct 2011	Nov 2012

Six Flags over Texas	Host	Feb 2007	June 2009
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Previous Experience Abroad

List all countries in which you have previously lived or studied.

Country	Circumstances	Date From	Date To
Canada	American Society of Civil Engineers Conference	Oct 2012	Oct 2012
Mexico	Church Mission Trip	July 2008	Aug 2008

Proposed Academic Program Details

First Choice:

Name of Institution: University of Cambridge

Location (city and country): London, England

Institution's Web Site: <http://www-esdmphil.eng.cam.ac.uk/>

Academic Program: MPhil in Engineering for Sustainable Development

Official Language(s): English

Anticipated Start Date: October 2013

Anticipated End Date: June 2014

Second Choice:

Name of Institution: University of Oxford

Location (city and country): London, England

Institution's Web Site: <http://www.geog.ox.ac.uk/graduate/msc-wspm/>

Academic Program: MSc in Water Science, Policy and Management

Official Language(s): English

Anticipated Start Date: October 2013

Anticipated End Date: June 2014

Third Choice:

Name of Institution: Kingston University

Location (city and country): London, England

Institution's Web Site: <http://www.kingston.ac.uk/postgraduate-course/renewable-energy-engineering-msc/>

Academic Program: MSc in Renewable Energy Engineering

Official Language(s): English

Anticipated Start Date: October 2013

Anticipated End Date: June 2014

AREAS OF FOCUS AND GOALS

With which of Rotary's Areas of Focus is the program of study aligned?

- | | |
|---|--|
| <input type="checkbox"/> Peace and conflict prevention/resolution | <input type="checkbox"/> Maternal and child health |
| <input type="checkbox"/> Disease prevention and treatment | <input type="checkbox"/> Basic education and literacy |
| <input checked="" type="checkbox"/> Water and sanitation | <input checked="" type="checkbox"/> Economic and community development |

Explain how your program of study relates to your selected Area(s) of Focus, as defined by the statement of purpose and goals for the Area of Focus listed here:

<http://www.rotary.org/en/Members/RunningADistrict/FutureVisionPilotProgram/Pages/AreasofFocus.aspx>.

Engineers are responsible for providing fundamental services in the delivery of infrastructure that have become necessary for the global functioning of the modern world. As a student in the Engineering for Sustainable Design (ESD) Program at the University of Cambridge, I will learn to aid infrastructure in a sustainable and responsible manner. One of The Rotary Foundations goals is to build the capacity of community networks to support economic development in impoverished areas. Economic development requires adequate infrastructure, to include electricity, water, and transportation. The ESD program at Cambridge will provide me with the knowledge and experience I will need in order to implement sustainable solutions to complex and interrelated infrastructure problems that often entangle communities in poverty.

The ESD program at Cambridge is the first and most unique of its kind because it focuses on sustainability through the lens of engineering. The Cambridge faculty is one of the best in the world, and my peers that I will study alongside will rank among the brightest students in academia. The courses address sustainable infrastructure design and implementation in the areas that need it most: those that are currently developing. With the knowledge I gain from these courses, I will be prepared to fulfill Rotary's goal of providing clean water and improved sanitation to impoverished communities.

Provide a description of the program coursework, such as a list of the classes you plan to attend, and any relevant links to further information about the program on the website.

The structure of the Engineering for Sustainable Design Program at the University of Cambridge includes Inner Core Modules, Outer Core Modules, and Elective Modules, of which I will be allowed to choose four. Finally, there is a Masters Dissertation, which I will undertake after I have completed the entirety of the program coursework. Inner Core Modules include: Concepts, Values, and Change; Sustainability Methods and Metrics; and Management of Technology and Innovation. Outer Core Modules include: Sustainability Assessment of Large Infrastructure Projects; Regulation, Legal, and Economic Issues; Sustainable Design and Implementation; and Developmental Engineering. If I were choosing elective modules today, I would undertake: Sustainable Water Engineering; Accounting and Finance; Fundamentals of Environmental Economics; and International Business Economics; because I believe these courses will provide me with a broadening experience when supplemented with what I have learned at West Point. I am not afraid to say that I am ambitious. I want to find academic diversity and achieve excellence in many fields of study. Variety in my courses will help me to achieve my goal of becoming a well-developed, service-oriented scholar.

Modules such as ESD100 Concepts, Values, and Change will enhance my ability to solve complex problems when little evidence or information is available. Developing sustainable solutions when resources are minimal is commonplace as an engineer officer whether in combat or humanitarian environments. Inner core modules such as ESD200 Sustainability Methods and Metrics will provide me with the tools necessary to implement sustainability into military engineering practices as well as how to assess and evaluate this process. Likewise, the outer core module ESD300 and its relativity to large-scale sustainable site planning, environmental assessment, and social impact assessment will apply directly to my work as an engineer officer in the US Army managing humanitarian projects across the globe.

The courses I plan to take align well with Rotary's mission to provide safe drinking water and basic sanitation to communities and their citizens. Sustainability Methods and Metrics, an Inner Core Module, aligns with Rotary's second goal: strengthening the ability of communities to develop, fund, and maintain sustainable water and sanitation systems. Outer Core Modules, such as Sustainability Assessment of Large Infrastructure Projects and Sustainable Design and Implementation will prepare me to carry out Rotary's goal of providing equitable community access to safe water and hygiene because community water access requires infrastructure. Elective Modules, like environmental engineering, contaminated land and waste management, environment and sustainability, sustainable water engineering, and environmental fluid mechanics, fit within the Rotary Parameters of Eligibility because they will prepare me to design and sustainably implement fresh-water and waste-water systems and mitigate the sanitation risks of infrastructure development. With the knowledge and skills I gain from this program, I will be better prepared and equipped to find sustainable solutions to community needs, such as a lack of safe drinking water or adequate sanitation.

The following link provides more information: <http://www-esdmphil.eng.cam.ac.uk/about-theprogramme/structure>.

What past education or experience has led to your interest in this particular program at this institution?

This May, my experience at West Point will culminate with my graduation from the Academy. I will be commissioned as a Second Lieutenant in the US Army and receive a Bachelor of Science Degree in Civil Engineering. The knowledge and experience I have gained during my time in the Civil Engineering program has certainly whet my appetite to work as an engineer, using the skills I have developed, but it has also given me an immense appreciation for sustainability. As an engineering student at West Point, I have not taken a class that is solely dedicated to sustainability; rather, it is a concept that has been woven into every class. From classes Infrastructure Engineering to Hydrology, the best solution to any problem must be sustainable. I believe the Engineering for Sustainable Development Program at Cambridge will provide me with everything I need to accomplish my goal: to work as a professional engineer implementing sustainable solutions that economically and socially develop people and their communities.

My time at West Point also afforded several internship opportunities that allowed me to learn a great deal about community water access. Last summer, I worked with the Army Corps of Engineers in Tulsa, Oklahoma on projects such as Tenkiller Dam, a multi-billion dollar improvement to a dam that has served eastern Oklahoma for over 50 years. Tenkiller dam provides fresh water to over 5 million Oklahoma residents. Additionally, I worked on the repair of the Webber's Falls Hydroelectric Powerplant. During my time on that project, I learned about how water managers must work with stakeholders who often have competing interests.

This summer, I have another extended internship with the Corps of Engineers. This time I will work as a graduate civil engineer tech on seven of the biggest lakes in DFW. In this capacity, I will work with those responsible for managing the reservoirs that provide the majority of the Dallas-Fort Worth Metroplex with its drinking water. I am immensely excited for the opportunity to work with experts in the field and hone the skills that I developed last summer.

SUSTAINABILITY AND MEASURABILITY

Describe your educational and professional goals, including your career plans, and how your chosen program of study will help to advance these goals.

As a cadet at the United States Military Academy, I will receive a commission in the US Army upon graduation. In exchange for my undergraduate education, I will serve as an Army Engineer officer for eight years. In this capacity, I will lead upwards of forty Soldiers on combat and humanitarian deployments to potentially impoverished areas of Iraq, Afghanistan, Africa, Latin America, and the Pacific Islands. My goal through formal education is to gain the necessary knowledge and skills to lead my Soldiers in accomplishing engineering missions by implementing sustainable solutions. As a platoon leader, I will be given the opportunity to lead my platoon in providing impoverished communities access to clean drinking water. Whether on a combat deployment or in response to a natural disaster, it is the Corps of Engineers who provide sustainable engineering solutions to water and sanitation problems. As a lieutenant, I will lead the fight with respect to these issues. After about five years of service, I will receive further professional education from the Army and take command of an Engineer Company. As a Company Commander, I will be responsible for ensuring approximately 150 Soldiers and junior Officers are adequately trained, resourced, and prepared to accomplish missions, at home or abroad, whenever called upon. The knowledge and broad global experience I will gain through the Engineering for Sustainable Design Program at the University of Cambridge will certainly make me more prepared for the challenges I will face as an Engineer Officer in the US Army.

What community needs will your work address during or after completing this program?
How will your work contribute to addressing this need on a long-term basis?

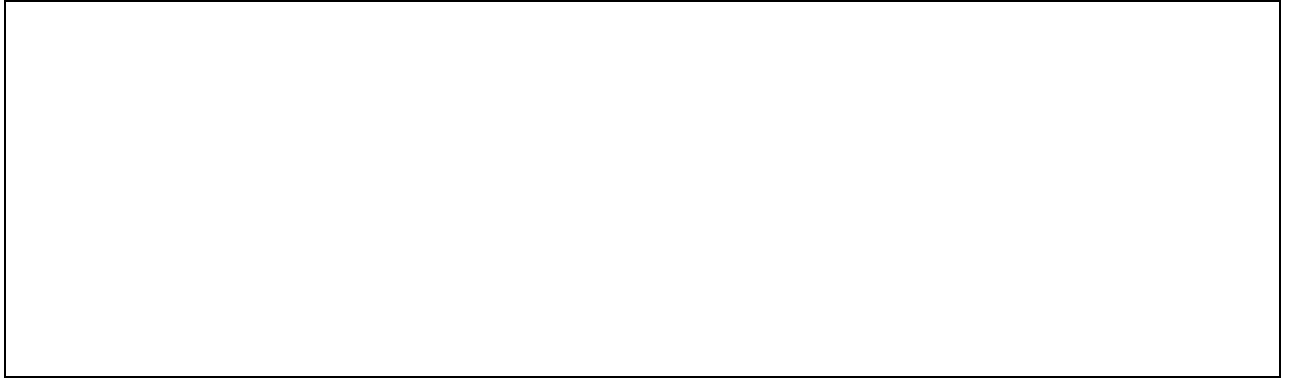
As a future officer in the United States Army, I will have the opportunity to use my education and studies in areas across the globe, where the need for educated leaders focused on developing sustainable urban and rural communities has never been greater. With U.S. military forces deployed in more than fifty countries, I will fulfill the Rotary Foundation's mission to advance world understanding, goodwill, and peace in the regions of the world that need it most. Whether in the military or working with a nongovernmental organization, my desire to specialize in sustainable development and water sanitation will allow me to make a profound impact on the denizens of the planet. With the eradication of polio at our fingertips, I hope to work with Rotarians everywhere to take charge in the next big front: the battle against cholera. I am confident that with the same global passion and dedication that Rotarians worldwide have put into the fight against polio, we can make great strides in the eradication of cholera.

After I leave the Army, I plan to start an engineering firm. With the degree in Engineering for Sustainable Development, I will have the required knowledge to lead my firm in providing the developing communities of the world with sustainable solutions to water and sanitation problems. It is my dream to empower these communities to overcome setbacks

so that they can fulfill their own dreams. In other words, I want to provided clean water and improved sanitation to citizens of impoverished communities so that they can focus on accomplishing their life goals, whatever they may be, without being distracted by such base needs.

Explain how you have already Served Above Yourself. Do not list organizations that you have been a part of. Instead, specifically describe your role in ensuring the community was profoundly impacted through your efforts. Specify work done related to your proposed discipline of study.

As a cadet, Army employment restrictions preclude me from holding a traditional job outside of the military. However, my duties at the Academy have included Administrative Officer, Platoon Leader, Squad Leader, Team Leader, and Honor Representative. This semester I am taking advantage of the opportunity to be the Community Service Officer for my cadet company. In this capacity, I lead and resource 120 of my peers in community service and outreach initiatives. These positions require me to train and inspire my peers and subordinates through academic, military, and physical training. Additionally, I became a College Language and Reading Association certified tutor and a certified USCC honor representative. West Point also provides me with some excellent opportunities to serve the local community. As a volunteer engineer, I am privileged to interact with the women of the Walter Hoving Home, a refuge for women whose lives have been shattered by drugs and alcohol, in Garrison, New York where I learned an immense amount about overcoming challenges. Additionally, I have collected donations for injured Soldiers at Walter Reed Army Hospital, read to and taught math and science classes to elementary school children in Newburgh, New York, and delivered food drive items in Long Island, New York. Of the various volunteer opportunities in which I participate, the most important to me is the one rooted in my passion for the environment. As an initiative to clean up the neighborhoods surrounding West Point, the Town of Highlands, and Newburgh, I work with Neighborhood Knights. This grassroots program works with the local department of recreation to provide a clean environment for community members to enjoy recreational activities. Although only a few years old, this program has made great strides in cleaning parks and streams as well as preparing sports fields for Spring and Summer use. After graduation, I hope to help pass this program down to volunteers and cadets who will embrace service to the local community and environment. In doing so, I believe Neighborhood Knights will benefit the Hudson Valley region for many years to come.



SECTION 2a – REQUIRED DOCUMENTS

1. **ROTARY CLUB ENDORSEMENT/COMMITMENT:** Form attached. *MUST ACCOMPANY APPLICATION.*
2. **RECOMMENDATION FORMS (2):** Forms attached (or sent to District 5790 Scholarships Chair*).
3. **LANGUAGE ABILITY FORM:** Form attached (or sent to District 5790 Scholarships Chair*). *REQUIRED ONLY IF LANGUAGE IN STUDY COUNTRY IS DIFFERENT THAN YOUR NATIVE LANGUAGE.*
4. **TRANSCRIPTS:** Your most recent academic transcripts (attach or send to District 5790 Scholarships Chair*).
5. **OPTIONAL:** If you are comfortable doing so, please attach a recent photograph; it will be helpful for recognition purposes at the interviews.

***District 5790 Rotary Foundation Scholarships Chair:**

Conrad C.Heede, PDG
 2405 Summit View Dr.
 Bedford, TX 76021 or
ccheede@aol.com
 817-235-8110

NOTE: The Chair must receive your application and all required documents no later than **April 1, 2013**, in either electronic or hard copy. Incomplete applications and applications received after this date will not be considered.

SECTION 2b – TIME LINE

1	Club interviews prospective candidates	March
2	Nominee submits application to club	March
3	Club chooses their applicant & commits club's \$1,500 share of contribution.	March
4	Application submitted to District Scholarship Chairman	4-1-13
5	District Interviews all candidates	4-6-13
6	District makes selection(s) subject to the following contingencies:	
	- Admission acceptance by school	5-1-13
	- Global Grant Application	5-15-13
	- Rotary Foundation Approval of Grant	-
7	Notification to Candidate of the decision	Upon TRF approval
8	Club President signs and sends TRF agreement form and sends it and \$1,500 to TRF.	Within 10 days of approval

SECTION 3 - APPLICANT'S CERTIFICATION

I hereby apply for a one-year District Rotary Ambassadorial Scholarship from Rotary District 5790. I certify that I am eligible to apply, understanding that persons in the following categories are ineligible: (a) a Rotarian or Honorary Rotarian; (b) an employee of a Rotary club or district, of Rotary International, or of another Rotary-affiliated entity; (c) a spouse, a lineal descendant (child or grandchild by blood or adoption), a spouse of a lineal descendant, or an ancestor (parent or grandparent by blood) of any living person in categories (a) or (b); and that Rotarians and their relatives as described above remain ineligible for 36 months after resignation.

If I receive a Rotary Foundation Ambassadorial Scholarship, I agree:

- 1) To learn about Rotary International and fulfill the following ambassadorial responsibilities:
 - Attend any orientation programs organized by our district and/or other districts.
 - Before departure, attend meetings of my sponsoring Rotary club and Rotary events in our district as invited, and present at least one talk to a Rotary group.
 - Make myself available for, and encourage, media interviews at home and abroad.
 - Maintain full-time academic studies with distinction, giving equal importance to the academic and ambassadorial aspects of your scholarship.
 - Be actively involved with Rotary in my host district, making at least 10-15 presentations to Rotary and non-Rotary audiences, and submit required reports to Rotary District 5790 describing my academic progress activities.
 - Present at least 8 talks to Rotary and non-Rotary audiences within the first year after my return home.
 - *Maintain communication with my sponsor and host Rotarians before, during, and after my study period. Offer to share my ambassadorial experiences at Rotary clubs or district meetings, and participate in Rotary Foundation alumni activities.*
 - Register contact information with Alumni Relations at the Rotary Foundation, keeping my address, telephone number and e-mail address updated at all times.
- 2) That I must choose a field of study within one of the six Areas of Focus established by Rotary International.
- 3) That the academic program must be no less than one academic year, unless otherwise approved.
- 4) That the program must be a graduate level program only.
- 5) That I must live in the immediate vicinity of my approved study institution and in my host district, so that I can participate in the Rotary club and district activities of the host district.
- 6) That, if my total academic fees and living expenses do not exceed \$30,250, I must outline a prospective service project within the six Areas of Focus, preferably in my selected Future Vision District (it will be discussed during the interview), and execute the service plan during the scholarship period, if possible.
- 7) That my scholarship studies can begin no earlier than 1 July 2013, and that I will not receive scholarship funding for any studies undertaken before this date. If I study at an institution located in the Southern Hemisphere, that I will be expected to begin studies in February/March 2014.
- 8) That the scholarship funding is US\$30,250. Scholarship funding is for only those items required for my studies (such as tuition and other required fees, books, academic supplies, travel to my study location at the commencement and end of my scholarship year, accommodations and food) and developed service project in one of the six Areas of Focus. I further understand that I will need to seek alternate sources of funding if my costs exceed \$30,250.
- 9) That I am responsible for gaining admission at my assigned study institution, obtaining required visa(s), making appropriate travel arrangements, and completing all pre-departure requirements, and that I must abide by any decisions made by Rotary District 5790 officials concerning my scholarship.
- 10) That I am responsible for all costs incurred in completing my pre-departure requirements, including any application or visa fees, any required exam fees, and securing appropriate insurance coverage
- 11) That I am responsible for all costs associated with my spouse or dependents who may accompany me during my

scholarship period, and that I will not live with a companion or partner to whom I am not married during my scholarship.

- 12) That I am expected to embrace Rotary's spirit of volunteerism and engage in volunteer activities from the time of scholarship application, through the term abroad, to a post-award commitment in my local community.
- 13) That my scholarship will not necessarily enable me to earn a degree, diploma, or certificate.
- 14) That I must advise Rotary District 5790 of any other stipend or grant received during my scholarship year.
- 15) To help promote Rotary International wherever possible and to permit The Rotary Foundation, Rotary International and/or Rotary District 5790 to use my name and all photographs and written reports generated through any of my activities related to my scholarship.
- 16) That my scholarship may be revoked for any of the following reasons: my inability to secure admission to an institution approved by Rotary District 5790; low level of academic achievement; evidence of misconduct; failure to submit required reports on time; change in study program without consent of Rotary District 5790; withdrawal from institution before expiration of the scholarship term; deficient knowledge of the language of the study country and institution; failure to adequately fulfill ambassadorial duties; failure to attend an outbound orientation seminar; failure to follow the directions of Rotary District 5790 officials; failure to provide my sponsor Rotarians, host Rotarians, and Rotary District 5790 with my current information including mailing address, telephone numbers, and e-mail address at all times; failure to maintain regular monthly communications with my sponsor Rotarians, host Rotarians, and Rotary District 5790; or any contingency that prevents me from fulfilling all the obligations of the scholarship. I understand that revocation of a scholarship shall cause all payments to cease and may make me liable for the return of payments previously provided.
- 17) That Rotary International, The Rotary Foundation, Rotary District 5790, the study institution, and individual Rotary clubs and Rotarians are in no way liable for a scholar's personal welfare or responsible for enabling a scholar to pursue his or her studies beyond the scholarship period. Rotary International, The Rotary Foundation and Rotary District 5790 assume no responsibility or obligation whatsoever beyond providing the amount of the scholarship.

Justin Randall Adkins

Name of Applicant (please print)

Signature

_____/_____/_____
Date