Courses

**BMEN 489 Special Topics: Health Care Technology in the Developing World** - Technical elective for BMEN majors
Course will also count as a technical elective in BAEN, CHEN, MMET, MEEN, and NUEN.

**BMEN 485 Directed Studies: Design Problem Identification** - Technical elective for BMEN majors
Course will also count as a technical elective in BAEN, CHEN, MMET, MEEN, and NUEN.

Eligibility Requirements:
- Open to all engineering majors
- Minimum of 2.5 GPA
- Good academic standing with university.
- Approval of the professor

Application Process
- Students must submit applications to both Engineering World Health and the Texas A&M Study Abroad Programs Office. Both applications must be completed to be considered for the program. Only complete applications that meet all minimum admissions criteria will be accepted for evaluation.
  - The Texas A&M Study Abroad Programs Office application is due **January 24, 2015** and can be found at http://studyabroad.tamu.edu.
  - The Engineering World Health application is due **February 7, 2015** and can be found at http://ewh.org/si.

Admission to this program is competitive, and availability is limited. Evaluation will be based on academic performance, application package materials and program goals.

Faculty Leaders

**Dr. Kristen Maitland**  
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For more information, please contact:

**Ms. Dawna Rosenkranz**  
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Making a World of Difference

The Department of Biomedical Engineering at Texas A&M University is partnering with Engineering World Health to offer undergraduate engineering students the opportunity to participate in an intense and challenging study abroad program in the Republic of Rwanda through which they will help develop medical devices and technologies that address critical needs as well as provide desperately needed medical equipment repair services. Through the program, students immerse themselves in the region’s language and culture while learning practical, hands-on engineering skills. Students also learn medical device design and have opportunities to use their experience to define their own design projects. As part of the program, students collaborate with the medical facility staff to increase their knowledge base as well as that of the hospital staff.

About the Program:

The first month of the summer consists of cultural and technical training in Kigali, Rwanda. Students study French and Kinyarwanda and Engineering World Health staff will work with the local community to arrange for students to live in local families’ homes, where possible. Students also participate in intensive medical equipment repair training. Visits to hospitals in Kigali provide on-the-job preparation with guidance from the instructor. During the second month, students are assigned to host hospitals around the country to repair and install medical equipment, as necessary. Other tasks may include training of hospital staff, taking inventory and general problem solving. The students’ final report is a project proposal for a new medical or testing device designed specifically for the needs and conditions of Rwandan hospitals. This phase of the summer is intended to allow students to apply the knowledge gained in the first month of the program and from traditional university classroom training.

Cost

The following chart estimates the total out of pocket expenses a student may have participating in this program.

<table>
<thead>
<tr>
<th>Estimated Program Fee (subject to change)</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing, Tours, Excursions, Group Meals, Coordination, Administration, Faculty Expenses, SAPO Administrative Fee, Miscellaneous</td>
<td>$6,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Expenses (not included in program fee)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition &amp; Fees (in-state resident for 6 credit hours)</td>
</tr>
<tr>
<td>International Airfare</td>
</tr>
<tr>
<td>Passport (if not previously obtained)</td>
</tr>
<tr>
<td>Lunches</td>
</tr>
<tr>
<td>Optional excursions, transportation and souvenirs</td>
</tr>
</tbody>
</table>

**SUBTOTAL** $10,945

**COE Competitive Scholarship (guaranteed) for students with a 2.5 GPA at time of Application** $2,000

**TOTAL ESTIMATED COST** $8,945

About Rwanda

The Republic of Rwanda is a sovereign state in central and east Africa with a population of more than 11 million. Located a few degrees south of the equator and roughly the size of Maryland, Rwanda is bordered by Uganda, Tanzania, Burundi and the Democratic Republic of the Congo. Its geography is dominated by mountains in the west, savanna in the east and numerous lakes throughout the country. Rwanda’s economy is based largely on subsistence agriculture, with about 90 percent of its working population engaged in farming.

*Check the Student Business Services website (http://sbs.tamu.edu) for your exact tuition/fee amount as it varies per student.*

Funding is available in many forms. For complete information on funding opportunities, please visit the Study Abroad Programs Office/Funding Your Program/Scholarships.

http://studyabroad.tamu.edu

Scholarships: The Study Abroad Programs Office offers scholarships based on merit and financial need. Applications are available through Scholarships & Financial Aid and deadlines are listed on the website below. The Continuing Student Scholarship application opens November 1st, 2014 and closes at 11:59 p.m. February 1st, 2015. The Dwight Look College of Engineering is guaranteeing every student a $2,000 scholarship for students that have a 2.5 GPA at time of Application. There is no need to apply for the engineering scholarship.

https://sfaid.tamu.edu/uwideapp/

Financial Aid: Federal and state financial aid and some scholarships may often be used toward the cost of TAMU study abroad programs. Students can contact the program Study Abroad Advisor to obtain a copy of a Budget Request Form. Students that need financial aid are encouraged to schedule a meeting with a Financial Aid Counselor in the Office of Scholarships & Financial Aid (2nd Floor Pavilion) or 979-845-3236.