

## PAST PROJECTS



### Gateway Greening St. Louis

Gateway Greening is a nonprofit organization that turns abandoned properties into productive gardens and landscaped areas. EWB assisted in remodeling a neglected building into a community center for classes, community development meetings, library resources, and tool storage.

### Karen House

Karen House is a converted convent used as a temporary living space for homeless women from the St. Louis area. Due to extremely large utility bills, Karen House had been struggling to finish renovations. EWB members assisted in putting up a new fence around Karen House.



### Sustainable Housing in Guatemala

In 2007, EWB sent students to Guatemala to aid fellow volunteers in the construction of homes for families in need. Students worked to improve upon the design to increase sustainability.



#### ENGINEERS WITHOUT BORDERS

Washington University in St. Louis  
Campus Box 1100  
One Brookings Drive  
St. Louis, MO 63130-4899

PHONE: (314) 935-6100

EMAIL: [ewbwashu@cec.wustl.edu](mailto:ewbwashu@cec.wustl.edu)



# Engineers Without Borders

 Washington University in St. Louis

Engineering



[ewbwashu.org](http://ewbwashu.org)

## OUR MISSION

Engineers Without Borders (EWB) at Washington University in St. Louis partners with developing communities to improve their quality of life through the implementation of environmentally sustainable, equitable, and economical engineering projects while developing internationally responsible engineers and engineering students.

## WE PROVIDE

- a base for students to expand their knowledge of what it means to be an engineer and develop a respect for all of humanity around the globe
- an understanding of the importance of citizenship and emphasize the importance of nonprofit work
- networking opportunities for students to interact with working professionals in order to design and implement projects that help improve the standard of living around the world
- an educational opportunity for students to learn about project implementation
- a design and construction of systems which improve living conditions in particular communities

## OUR PROJECTS

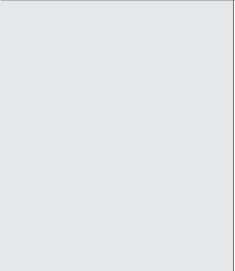

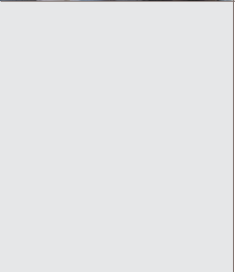

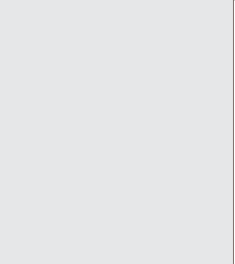
Members of EWB apply skills over a broad scope of projects. Students in EWB have interdisciplinary backgrounds and work both locally and abroad to make a positive, powerful impact.

## ACROSS DISCIPLINES. ACROSS THE WORLD.™

Washington University School of Engineering & Applied Science seeks to attract students who want their work to have an impact—to make a difference in the world. The defining characteristic of Washington University Engineering is an eagerness to cross boundaries in our research and teaching.

As an engineering school in service to society, the School aims to contribute to solving society's challenges by promoting the discovery of new knowledge and by preparing students for leadership roles in a global society.

## CURRENT PROJECTS

	<p><b>Designers with a Conscience (dwc)</b></p> <p>Extending EWB's reach into the World Wide Web, dwc partners EWB members with community organizations in need of a website. Including community members, dwc designs and creates websites for nonprofit organizations who need them.</p>
	<p><b>Cook Stove Project</b></p> <p>While constructing sustainable housing in Guatemala, EWB members found replacing the traditional three-stone fire with a cook stove greatly improved indoor air quality. As a result, EWB members research optimal cook stove designs for use in newly built Guatemalan homes.</p>
	<p><b>Operation Brightside</b></p> <p>Operation Brightside is a St. Louis based nonprofit cleaning and greening initiative with an empty lot next to their office. EWB works with them to build a demonstration garden showcasing improvements that homeowners can utilize to make their own properties more sustainable.</p>
	<p><b>Solomon Project</b></p> <p>EWB works with the Old North St. Louis Restoration Group, a community-based nonprofit organization, to convert decaying houses into affordable living for the poor and homeless of St. Louis.</p>
	<p><b>Haiti Project</b></p> <p>EWB collaborates with <i>Meds and Food for Kids</i> to combat malnutrition in Haiti. The objective is to design a maintenance schedule for the factory that produces <i>Medika Mamba</i>, a fortified peanut butter paste. Children who receive the treatment over 6-8 weeks will rarely become malnourished again.</p>