New Graduate Course for Fall 2012

'Greener Solutions Program'

Students will work in multi-disciplinary teams to tackle a research question posed by an outside organization working to promote safer chemicals in products and operations.

Gain practical experience in green chemistry, business communications, and promoting the adoption of safer chemicals.

Host organizations for Fall Semester, 2012

HEALTHY BUILDING NETWORK

Work with **Healthy Building Network** to promote transformation of the building material industry toward inherently safer chemistries. Students will improve the chemical assessment framework in *Pharos*, an online building material selection tool that enables architects, designers and contractors to choose building materials that are safer for human health and the environment.

Work with **Hewlett Packard** to:

- Reduce the impact of informal e-waste recycling. Students will identify and prioritize chemicals that pose health and environmental hazards in the e-waste stream (e.g., plastic additives, PVC, arsenic, lithium). Findings will guide the company's selection of safer materials and inform its advocacy through public policy.
- Understand the current state of the art in printed circuit board materials, with the goal of developing alternatives to epoxies and halogenated compounds. Students will identify cutting edge materials for printed circuit boards and assess their technical performance and their potential for commercialization.

This 3 unit course is being developed by the Berkeley Center for Green Chemistry in conjunction with the California Department of Toxic Substances Control, Office of Pollution Prevention and Green Technology.

Find the application online: bcgc.berkeley.edu/GreenerSolutionsProgram

BERKELEY CENTER FOR GREEN CHEMISTRY

Department of Toxic Substances Control