Most students have the eventual goal of securing a career in industry or research. An important step in attaining that goal is to experience on-the-job training during the summer months. A summer internship in industry or a research laboratory is a good way to expand your classroom experience.

**Internship Search Tips**

- **Utilize on campus resources such as The Career Center, located in the Danforth University Center and Lopata Hall.**
- **Search early for summer employment.** Many students begin their searches as early as November of the previous year.
- **Use the information and contacts in this brochure (back cover) as a beginning for your search.**
- **Consider a Co-Op if you can dedicate more than the summer months to a company.**
- **Contact faculty or academic advisors to learn more about opportunities for on campus research projects.**
- **Consider a collaborative internship with Johns Hopkins University or our department’s International Experience Class.** These programs are detailed in this brochure.
- **Engage in an Industry Plant Tour.** The department offers two plant tours each fall.
INTERNATIONAL EXPERIENCE CLASS

The international experience class (E33 EECE 401, 3 credits) is designed for undergraduate students in the Department of Energy, Environmental, and Chemical Engineering. The highlight of the class is a visit to McDonnell Academy partner universities.

HIGHLIGHTS

- pre-visit orientation meetings and lectures
- summer international travel for two weeks
- classes at partnering universities
- field trips to local industries, regulatory agencies and laboratories
- social programs
- analysis of experience, projects, discussions and presentations

REQUIREMENTS

- Undergraduate students must be in good standing with a minimum overall GPA of 3.0.
- Application deadline is October 15 of each fall. Acceptance is announced in November.

In 2008, students and faculty traveled to Beijing, China. The trip was coordinated by Dr. R. Chen and Dr. J. Turner. In 2009, students and faculty traveled to South Korea. The program was coordinated by Dr. R. Chen and Dr. P. Biswas.

STUDENT EXCHANGE PROGRAM: WASHINGTON UNIVERSITY & THE JOHNS HOPKINS UNIVERSITY

The purpose of the student exchange program is to educate students about challenges and career opportunities at the interface between public health and engineering.

HIGHLIGHTS

- workshops and colloquia to expand students’ exposure to current challenges
- study topics may include: environmental epidemiology, public health interventions and prevention, aerosol toxicity, urban air quality, technologies for sustainable development, water resource engineering, and metabolic engineering
- stipend of $4,000 for the ten week period
- university housing is available

REQUIREMENTS

- undergraduates in EECE at Washington University or in the BS/MHS program in the Environmental Health Science Department at Johns Hopkins University (students from other departments may be eligible)
- have completed their sophomore year prior to participation in the exchange program
- overall minimum GPA of 3.25
- complete and pass the Principles of Environmental Health Course prior to participation (offered to WUSTL students through distance learning)

SUMMER 2010: INDIA—INTERNATIONAL EXPERIENCE IN ENERGY, ENVIRONMENTAL & CHEMICAL ENGINEERING

Register for this Fall 2010 3-credit class and visit India during the summer of 2010. This is an approved engineering elective class in the Department of Energy, Environmental, and Chemical Engineering.

HIGHLIGHTS

- students will visit Mumbai and Delhi for 2 weeks between May and June 2010
- projects on aerosols, nanoparticle technology, air and water quality; energy and environmental issues linked to development
- interact with students from IIT Bombay & Tata Institute of Social Sciences
- field trips to local industries, regulatory agencies & national laboratories
- socio-cultural programs
- internship opportunities
- continue project work in fall 2010 at Washington University in St. Louis

REQUIREMENTS

- undergraduate students must be in good standing with a minimum overall GPA of 3.0
- applications due October 15, 2009 and selections will be made by October 30, 2009 (application forms available in Cupples II, Room 207; contact Rose Baxter)
- faculty coordinators for the 2010 visit and class are Dr. D. Chen and Dr. R. Chen
- send e-mail to Dr. Ruth Chen (ruth.chen@seas.wustl.edu) for more information

WASHINGTON UNIVERSITY MASTER OF ENGINEERING IN EECE

This coursework based master’s program requires 30 credits and is a pathway for EECE undergraduate students to prepare themselves for a professional engineering career in industry. Students can choose a set of electives to obtain certificates in the following specialized tracks:

- Advanced Energy Technologies
- Environmental Engineering Science
- Technology for Environmental Public Health & International Development
- Energy & Environmental Nanotechnology
- Energy & Environmental Management
INDUSTRY OPPORTUNITIES

The following companies have hired students from our department for various internship experiences. Students can directly contact company representatives listed below. For more information, please contact Jack Hoffman (hoffman@seas.wustl.edu).

Abengoa Bioenergy  
contact: Charlotte Drew  
charlotte.drew@bioenergy.abengoa.com

Anheuser-Busch  
www.anheuser-busch.com

Boeing  
www.boeing.com

Burns & McDonnell  
www.burnsmcd.com

Corning Corporation  
www.corning.com  
contact: Andrey Filippov  
afilippovAV@corning.com

DuPont  
www.dupont.com

Emerson  
www.emerson.com  
contact: Jose Gutierrez  
Jose.gutierrez@emerson.com

Environmental Quality Management, Inc.  
www.eqm.com  
contact: Tom Gerstle  
tgerstle@eqm.com

Exxon Mobil  
www.exxonmobil.com  
contact: Christopher Foot  
christopher.h.foot@exxonmobil.com

Jacobs  
www.jacobs.com

L’Oreal Inc.  
www.loreal.com

MEMC  
www.memc.com

Monsanto Enviro-Chem Systems, Inc.  
contact: Sharon Facchin  
sharon.a.facchin@mecsglobal.com

McKinsey & Company  
www.mckinsey.com  
contact: Rahul Magan  
Rahul_Magan@mckinsey.com

National Corn-to-Ethanol Research Center  
www.ethanolresearch.com  
contact: Jack Ballringer  
jballringer@ethanolresearch.com

Poet Energy  
www.poetenergy.com  
contact: Mark Stowers  
(605) 965-2200

Pfizer  
www.pfizer.com

Proctor & Gamble  
contact: John Long  
long.jf@pg.com

 Sigma Aldrich  
www.sigmaaldrich.com

The Solae Company  
www.solae.com  
contact: Chris Steinbrenner  
csteinbr@solae.com

ON CAMPUS RESEARCH

Our professors are engaged in cutting edge research in a variety of areas. For more information, visit the department Web site (eece.wustl.edu). Students can directly contact faculty members for more specific information.

R. Axelbaum  
rla@wustl.edu  
Cupples II, Room 201

P. Biswas  
Pratim.biswas@wustl.edu  
Cupples II, Room 208

D. Chen  
chen@seas.wustl.edu  
Cupples II, Room 214

M. Dudukovic  
dudu@wustl.edu  
Urbauer Hall, Room 227

S. Falke  
stefan@wustl.edu  
Urbauer Hall, Room 319

D. Giammar  
degiammar@seas.wustl.edu  
Cupples II, Room 209

J. Gleaves  
jgleaves@seas.wustl.edu  
Urbauer Hall, Room 225

R. Husar  
rhusar@me.wustl.edu  
Urbauer Hall, Room 319

Y.S. Jun  
yjun@seas.wustl.edu  
Cupples II, Room 213

C. Lo  
clo@wustl.edu  
Cupples II, Room 215

H. Pakrasi  
pakrasi@wustl.edu  
Rebstock, Room 202A

D. Qin  
dqin@wustl.edu  
Cupples II, Room 202A

P. Ramachandran  
rama@wustl.edu  
Urbauer Hall, Room 223

V. Subramanian  
vsubramanian@seas.wustl.edu  
Cupples II, Room 202A

R. Sureshkumar  
suresh@seas.wustl.edu  
Urbauer Hall, Room 314A

Y. Tang  
yinjie.tang@wustl.edu  
Cupples II, Room 201

J.R. Turner  
jrturner@wustl.edu  
Cupples II, Room 210

NATIONAL LABORATORIES & GOVERNMENT AGENCIES

Department of Energy  
Science Undergraduate Laboratory Internship (SULI)  
www.scied.science.doe.gov

United States Environmental Protection Agency  
EPA Intern Program  
www.epa.gov/ohr/eip.html