Creating Globally Minded STEM Professionals Through Internships/Work Abroad Programs

1 ½ Day Workshop

Hosted by the
Institute of International Education (IIE)
1400 K St, NW, Washington, DC
April 26-27, 2012

The need for globally minded and competent Science, Technology, Engineering and Mathematics (STEM) professionals has been documented repeatedly in recent years. International internships and work abroad programs provide a means for addressing this need that meets the education and curriculum demands placed on our technical students. Yet few schools have established such programs or have strong mechanisms for integrating them into the STEM curriculum.

A coalition of education abroad professionals at IIE, NAFSA’s Work, Internship and Volunteer Abroad (WIVA) Subcommittee, and UC-San Diego is offering a 1 ½ day workshop targeted to STEM faculty and staff, Career Services professionals and Education Abroad professionals. The workshop addresses internship and work abroad programs in the STEM fields, specifically creating, maintaining, funding, and assessing these programs. In addition, this workshop provides a venue for networking between existing and nascent efforts, with a focus on programs in engineering.
April 26, 2012: Creating Work Abroad Programs

1:30 – 2:00 pm Registration and Review of Materials

2:00 – 2:30 pm Welcome and Self-Introductions
   Chair: Peggy Blumenthal, Senior Counselor to the President, IIE

   The Need for and Benefits of Internships/Work Abroad Programs
   Presenter: Debbie Donohue, Co-chair of NAFSA’s Work Internship and Volunteer
   Abroad (WIVA) Subcommittee and President/Founder of Global Career Pathways

   Benefits for:
   a. Students
   b. University
   c. Faculty
   d. Creating strong global partnerships
   e. Our greater society

2:30 – 3:30 pm Panel Discussion on Existing Successful Models
   Chair: Debbie Donohue, Global Career Pathways
   Panelists:
   - University of California San Diego, Research Internship Program:
     Dr. Peter Arzberger, Co-Director of PRIME and Chair, PRAGMA Steering
     Committee and Jim Galvin, Director of Opportunities Abroad & Faculty Led
     Programs
   - Purdue University: Dr. Eckhard Groll, Director of the Office of Professional
     Practice, Professor of Mechanical Engineering, ACE Fellow
   - University of Rhode Island: Dr. Sigrid Berka, Executive Director, International
     Engineering Program, Director, German and Chinese IEP
   - Georgia Institute of Technology: Dr. Jon Gordon, Director of Assessment

3:30 – 4:30 pm Concurrent Break-Out Sessions
   Session A:
   How to Best Communicate the Benefits to Employers and Enlist Them Early on
   Chair: Dr. Eckhard Groll, Purdue University
   Presenters:
   - Dr. Molly Maguire Teas, Senior Advisor for Education, US Department of
     State’s Bureau of South and Central Asian Affairs

   Session B:
   How to Best Communicate the Benefits to University Faculty/Administration
   Chair: Debbie Donohue, Global Career Pathways

4:30 – 5:30 pm Reporting Out by Session Chairs and Open Discussion on Best Practices

5:30 – 6:30 pm Networking Reception, followed by no-host dinners at nearby restaurants
April 27, 2012: Maintaining, Funding and Sustaining Work Abroad Programs

8:00 – 8:30 am  Continental Breakfast Available in Meeting Room; Informal Networking

8:30 – 9:45 am  Panel Discussion on Existing Funding Models for Programs
Chair: Peggy Blumenthal, IIE
Presenters:
- NSF resources support international STEM internships: Susan Kemnitzer, Deputy Division Director, Engineering Education and Centers Nancy Sung, Program Director, East-Asia Pacific, Office of International Science and Engineering
- University of Wisconsin – Madison, International Internship Program: Maj Fischer, Director
- Global Engineering Education Exchange (Global E³), Whitaker Fellowships, and other IIE-managed programs: Dr. Larry Shuman, Chair-Elect of Global E³ and Sabeen Altaf, Manager of STEM Programs at IIE

9:45 – 10:15 am  Discussion and Q&A

10:15 – 10:45 am  Coffee Break

10:45 – Noon  Panel Discussion on Assessing Work Abroad Programs
Chair: Debbie Donohue, Global Career Pathways
Presenters:
- Best Practices of International Internship Program Assessment: Dr. Michael Milligan, Executive Director, ABET, Inc.
- Case Study of Georgia Tech and the International Plan: Dr. Jon Gordon, Director of Assessment at Georgia Tech
- Case Study by University of Rhode Island: Dr. Sigrid Berka, Executive Director, International Engineering Program, Director, German and Chinese IEP
- Case Study by University of California, San Diego's Research Internship Program: Dr. Peter Arzberger, Co-Director of PRIME and Chair, PRAGMA Steering Committee and Jim Galvin, Director of Opportunities Abroad & Faculty Led Programs

Noon – 1 pm  Networking Lunch

1:00 – 2:00 pm  Working Groups to discuss Next Steps

2:00 – 2:30 pm  Reporting out from Small Groups on possible next Steps
Presenters: Workgroup leaders

2:30 – 3:00 pm  Wrap-Up and Conclusions by Peggy Blumenthal, IIE