Perspective on a career in industry with global collaborations

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ACS International Activities Committee
My career profile

B.S. Chemistry
University of Puerto Rico

Ph.D. Analytical Chemistry
Purdue University

Analytical Chemist, Principal Investigator
The DuPont Company

• DuPont Crop Protection R&D, Product Development, 2006-2013
• DuPont Crop Protection R&D, Discovery, 2013-2016
• DuPont Science & Innovation, Corporate Center for Analytical Sciences, 2016-present
Industry, private sector workforce

>50% of ACS members come from Industry*

* Source: ACS Industry Member Programs
Interdisciplinary collaborations

Work in industry is collaborative **across company departments**, **across professions**
Science is global

“Map of scientific collaborations from 2005 to 2009”*

* By Olivier H. Beauchesne, http://olihb.com
What skills, experience and knowledge are useful beyond chemistry fundamentals?

- Communication skills
- Leadership skills
- Event planning experience
- Regulations, policy knowledge
- Industry-specific knowledge
- Awareness of trends in the profession
What can students do?

Consider the following opportunities:

• **Internships** – domestic, abroad, academic, private sector, non-profit, government
  
  – Gain highly-valuable work experience and knowledge
  
  – Expand your professional network
  
  – Non-permanent commitment to explore the unknown
    
    ▪ Evaluate a potential university for graduate school
    ▪ Evaluate a potential employer or industry
    ▪ Explore a different field of research, living abroad, etc.
Utilize the available resources

For example, ACS International Center

In order to submit a program, please click here.

The ACS International Center is your virtual hub for identifying opportunities and resources as a globally curious STEM practitioner.

https://global.acs.org/
What can students do?

Consider the following opportunities:

• **Voluntary service** – e.g. community, professional society

My voluntary work experience as a student

- Leading ACS Student Chapter at Univ. of PR
- Organizing Purdue/IU Analytical Chemistry Conference
- Tour guide at Purdue Dept. of Chem. for visitors

Correlation to my work as a professional

- Professional network; work in project teams
- Professional network; organizing seminar series at DuPont
- Host/organize visit of collaborators and customers at R&D site
What can students do?

Consider the following opportunities:

• **Voluntary service** – e.g. community, professional society

• **Internships** – domestic, abroad, academic, private sector, non-profit, government

• **Coursework** – science policy, regulatory sciences, industry-specific special courses, etc.

• **Interdisciplinary centers** – policy, research, hubs for university/industry collaborations

• **Learn another language**
Thank you and best wishes for your career launch!

- Learning does not end at graduation
- Technical knowledge is still very important