

Green Chemistry and Commerce
Council: 6th Annual GC3 Innovators
Roundtable

Advancing Green Chemistry Practices in Business



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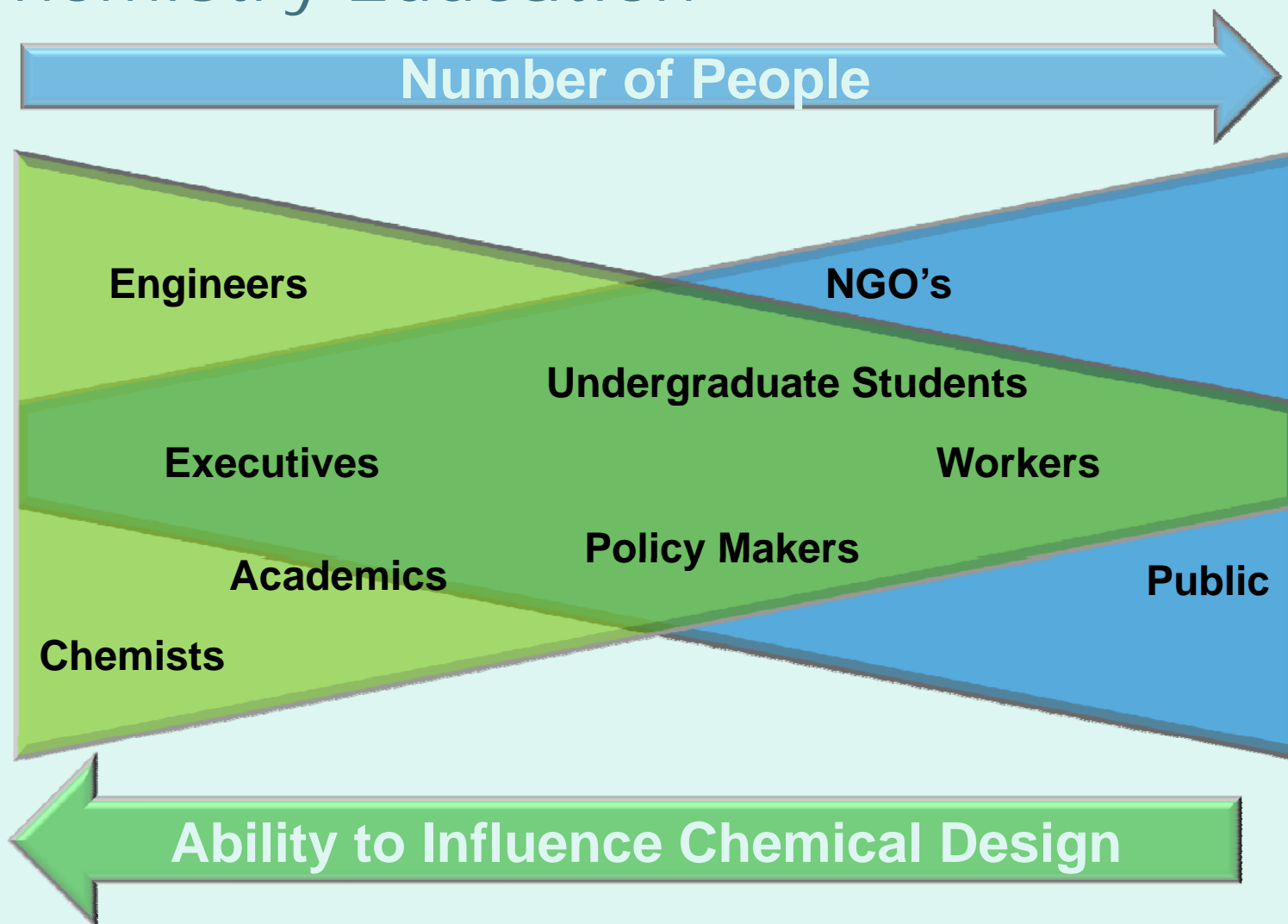
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University of California's Mission

- Teaching
- Research
- Public service



A broad approach to Green Chemistry Education



Current Campus Centered Efforts in Green Chemistry



Undergraduate Education

1. Introductory Chemistry Lab

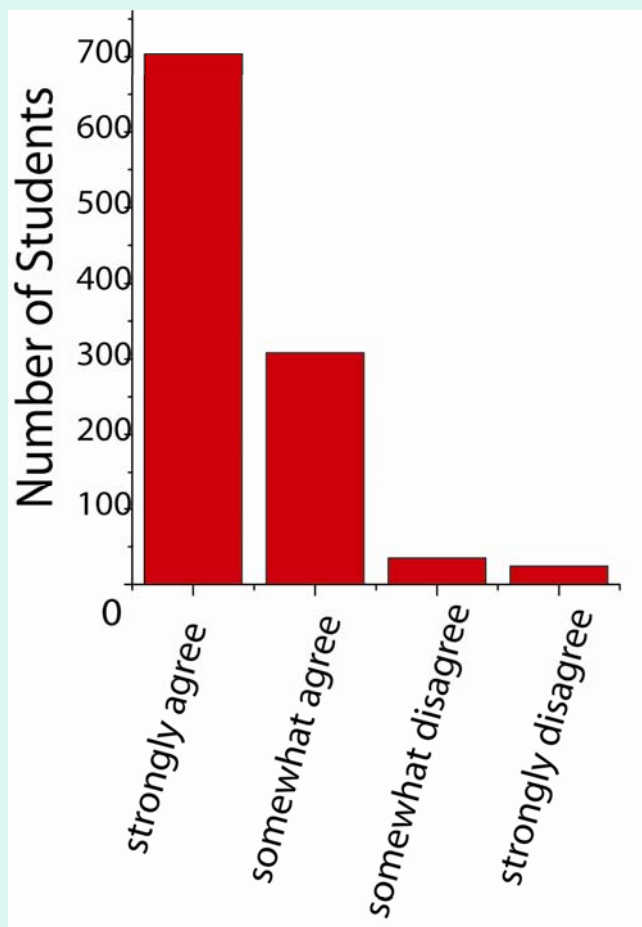
Graduate Education

1. Green Chemistry and Sustainable Design Seminar
2. Graduate Class in Green Chemistry

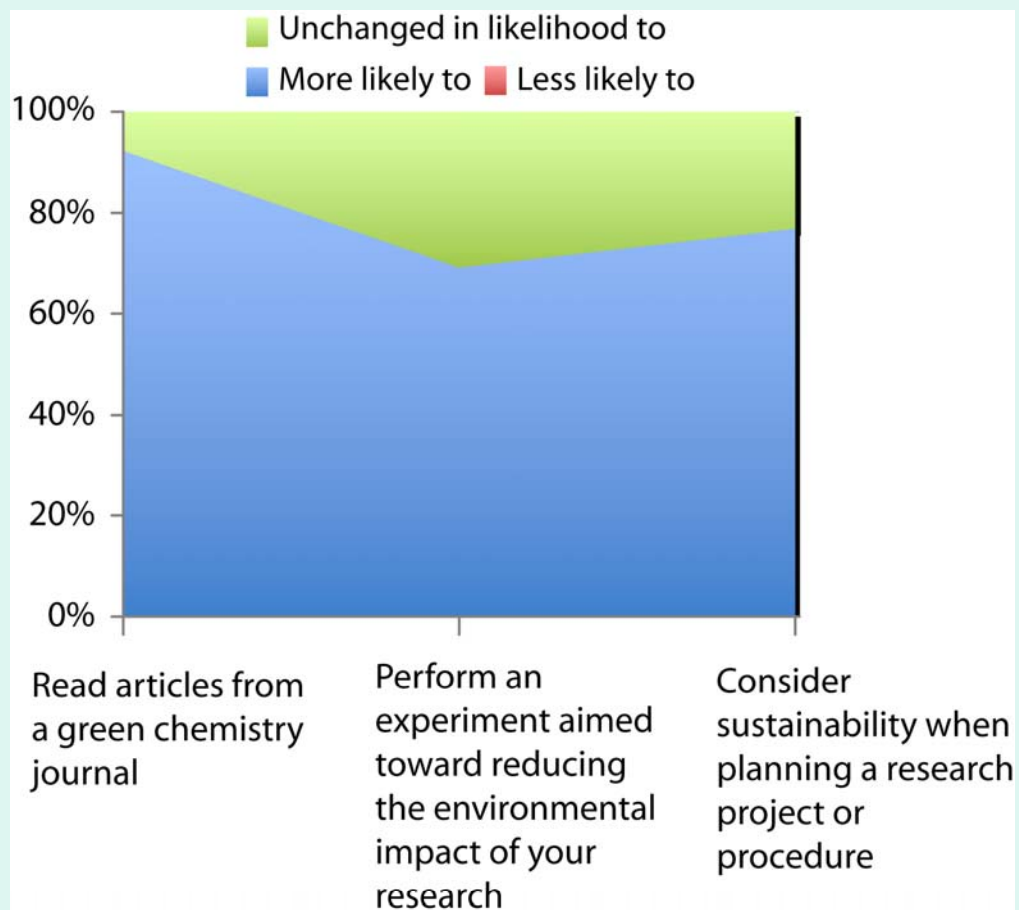


Impacts

"I believe Green Chemistry techniques and practices are important to modern society."



Changing Graduate Student behavior



Essentials of Green Chemistry Certificate Program- UC Berkeley Extension

- Developed in association with UC Berkeley
- Trains professionals in chemistry, engineering, public policy, toxicology, and business so that they can work collaboratively with green chemistry colleagues in the U.S. and beyond
- Has flexible courses—including online, weekend, and evening options—to accommodate work-life demands.



Who Will Benefit

- Environmental Managers
- Sustainability Consultants
- Health Professionals
- Product Designers
- Engineers
- Chemists
- Biologists
- Product Managers
- Material Scientists
- Project Managers
- Decision Makers in Business, Government, and NGOs
- Career Changers



Required Courses

- Principles of Green Chemistry
- Decision Making in Comparative Risk Assessment
- Green Chemistry and Chemicals Policy
- Alternatives Assessment: Chemicals, Materials, Products and Processes
- Business and Financial Planning for Green Chemistry Innovation
- Current Topics in Green Chemistry

Curriculum Requirements

- The curriculum consists of 5 required courses (10 semester units) and a varied number of elective courses for a minimum of 14 semester units (210 hours of instruction).
- All students are required to take Principles of Green Chemistry, then any four of the five remaining required courses.
- All coursework must be completed within five years of registering for the certificate.
- Total cost is approximately \$3800 depending on choice of electives.



Goals for 2011/2012 Academic Year

UC Berkeley Extension

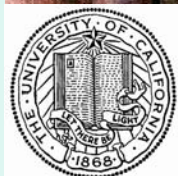
- Promotion of Certificate Program
- Approval as a Diploma Program for International Students
- Collaborations and Partnerships

Berkeley Center for Green Chemistry

- Build Multi-Stakeholder BCGC Consortium
- Incorporate Green Chemistry into More Undergrad Labs
- Start “Designated Emphasis” in Green Chemistry



Next Steps: How Companies can be involved



BERKELEY CENTER FOR
GREEN CHEMISTRY

Build A Green Chemistry
Research Program



Increase Student Enrollment
in Certificate Program



UC Berkeley Extension

Learn More

UC Berkeley Extension

extension.berkeley.edu/cert/greenchem.html

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The Berkeley Center for Green Chemistry

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