Revising the ACS Guidelines for Chemistry Programs in Two-Year Colleges: Shaping the Next Edition

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Symposium Objectives

- Consider the proposed revisions to the *ACS Guidelines for Chemistry in Two-Year College Programs*
- Explore the changes and opportunities
- Explore ways to
  - Raise awareness
  - Increase use
  - Leverage impact
History

• 1970 - Guidelines for Chemistry Programs in Two-Year Colleges - First Edition

• 1988 - Guidelines for Chemistry and Chemical Technology Programs in Two-Year Colleges

• 1991 - Establishment of the Chemical Technology Program Approval Service (CTPAS)

• 1997 - Guidelines for Chemistry Programs in Two-Year Colleges - Second Edition
ACS Guidelines for Chemistry Programs in Two-Year Colleges provide

- A comprehensive model designed for a range of institutions
- A framework for reviewing two-year college chemistry programs
- Help in identifying areas of strength and opportunities for change
- Opportunity to leverage support from institutions, partners, and external agencies
Members

Society Committee on Education (SOCED) Task Force on the ACS Guidelines for Chemistry Programs in Two-Year Colleges

• John Clevenger (Chair)
  – Truckee Meadows Community College, NV
• Dolores Aquino
  – San Jacinto College Central, TX (CHED Committee on Chemistry at Two-Year Colleges)
• Carlos Gutierrez
  – California State University-Los Angeles (Committee on Professional Training)
• Tom Higgins
  – Harold Washington College, IL (Committee on Minority Affairs)
• David Malik
  – Indiana University Purdue University-Indianapolis
• Doug Sawyer
  – Scottsdale Community College, AZ
• Uni Susskind
  – Oakland Community College, MI (College Chemistry Consultants Service)
Previous Members

• Maureen Scharberg (Past Chair)
  – San Jose State University, CA

• Ed Kremer
  – Kansas City Kansas Community College (CHED Committee on Chemistry at the Two-Year Colleges)

• George Kriz
  – Western Washington University

• Linette Watkins
  – Texas State University (Committee on Minority Affairs)
Timeline for Third Edition

• Formed task force to consider revisions to the *ACS Guidelines for Chemistry Programs in Two-year Colleges* in Spring 2005

• Conducted an informal study in Fall 2005

• Solicited input on how best to align guidelines

• Solicited feedback on goals of revision in Winter 2007/08

• Solicited feedback on proposed changes in Spring 2008

• Will begin soliciting feedback on draft guidelines in Fall 2008

• Will release new guidelines in Spring 2009
Goals of the Revision

• Reflect changes in pedagogy, technology, accountability

• Facilitate student transfer
  – by aligning with the new *ACS Guidelines and Evaluation Procedures for Bachelor’s Degree Programs*
  – by calling for communication with receiving institutions

• Provide a more useful resource for strengthening programs
  – by offering guidance for ongoing curricular change
  – by offering guidance for improving the working environment
Exploring the Changes

- Name
- Organization
- Vision of excellence
  - Students
  - Faculty
  - Programs
- Increased emphasis on faculty development
- Supplements
Organization

1. Goals of Guidelines
2. Institutional Environment
3. Faculty and Staff
4. Infrastructure
5. Curriculum
6. Student Research and Scholarly Activities
7. Development of Student Skills
8. Student Mentoring and Advising
9. Program Self-Evaluation and Assessment
10. Partnerships
A Vision of Excellence

Guidelines are intended to:

• Stimulate faculty, departments and administrators by providing a vision of excellence in chemistry education for the first two years of college.

• Be used as a resource for self-evaluation and ongoing improvement of chemistry education in two year colleges.

• Serve as a call for collaborative action for all stakeholders to improve chemistry education in the first two years of college.
Panelists

• **Dolores Aquino**
  – San Jacinto College Central, TX (CHED Committee on Chemistry at Two-Year Colleges)

• **Carlos Gutierrez**
  – California State University-Los Angeles (Committee on Professional Training)

• **Tom Higgins**
  – Harold Washington College, IL (Committee on Minority Affairs)
Questions for Panel

• How do the draft guidelines reflect current changes in pedagogy, technology, and accountability?
• How can the revised guidelines better facilitate student transfer?
• How do the revised guidelines provide a more useful resource for strengthening programs?
• Others?
Question for Discussion

• How can the impact of the *ACS Guidelines for Chemistry Programs in Two-Year Colleges* be extended?
Thank You!

Additional thoughts, questions and suggestions can be sent to:

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or

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