ACS: partners in supporting excellence in two-year colleges

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Two-Year College Landscape

- 43% of transferring students transfer to a two-year college
- 40% recipients of bachelor’s or master’s degrees in science have attended a two-year college
- Over 1,100 two-year college campuses offer chemistry
- Over 4,000 two-year chemistry faculty teach at two-year campuses
- Over 40% of all college minority students enrolled in two-year colleges
About ACS

ACS is a Congressionally chartered not-for-profit 501(c)3 scientific professional society.

Vision: Improving people’s lives through the transforming power of chemistry

Mission: Advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people
ACS Strategic Goals 2013-16

#1. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information.

#2. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy.

#3. Foster the development of the most innovative, relevant, and effective chemistry education in the world.

#4. Communicate chemistry’s vital role in addressing the world’s challenges to the public and policymakers.
ACS Structure

- ACS Members
  - Other community members
    - Join ACS
    - Join Technical Divisions
      - Local Sections
        - Elect Governance
        - Appoint Committees
          - Committees include…
            - …Society Committee on Education (SOCED)
              - Appoints Two-Year College Advisory Board
                - Provides oversight
                  - Two-Year College Chemistry Consortium (2YC3)
                    - COCTYC oversees 2YC3
                      - Collaborative Activities
                        - Two-year college database
                        - Surveys
                        - Workshops
                        - Resources
ACS resources for faculty

• Networking
  – National and regional meeting programming
  – Two-Year College Chemistry Consortium (2YC₃)

• Professional Development
  – ACS Webinars™
  – Job postings, career consulting, surveys
  – Leadership Development System and Short Courses
  – Resources for Excellence workshops

• Publications
  – Journal of Chemical Education
ACS resources for programs

• Program Development
  – ACS Examinations Institute
  – Textbooks, grants
  – Information on partnerships

• Guidelines and Policies
  – *ACS Guidelines for Chemistry in Two-Year College Programs*
  – Safety recommendations and publications

• Publications
  – Case studies: Use of the *ACS Guidelines for Chemistry in Two-Year College Programs*
  – Two-Year College Chemistry Landscape surveys
  – Conference reports and symposia
Two-Year College Advisory Board

- Appointed by SOCED in summer 2012
  - Recommended by SOCED Task Force on Two-Year College Activities
- Assembled to
  - Promote the needs and activities of the two-year college community
  - Advocate for resources for two-year colleges
  - Facilitate communication and collaboration among the stakeholders
  - Make recommendations about the future direction of two-year college activities to SOCED
  - Constitute working groups to address specific activities or issues
  - Work closely with the ACS Office of Two Year Colleges
Two-Year College Advisory Board stakeholders

- Division of Chemical Education (CHED)
- CHED committees include...
- ...CHED Committee on Chemistry in the Two-Year College (COCTYC)
- Two-Year College Chemistry Consortium (2YC₃)
- Two-Year College Advisory Board
  - COCTYC oversees 2YC₃
  - Provides oversight
  - Society Committee on Education (SOCED)
  - Appoints
  - Collaborative Activities
    - Two-year college database
    - Surveys
    - Workshops
    - Resources

- Committee on Professional Training (CPT)
- Committee on Minority Affairs (CMA)
- Committee on Chemical Safety (CCS)
- Committee on Chemists with Disabilities (CWD)
- Committee on Technician Affairs (CTA)
Two-Year College Advisory Board

Amina El-Ashmawy Chair), Collin College, TX
Kishore Bagga, Drexel University, PA
Neil Bastian, Salt Lake Community College, UT
George Bodner, Purdue University, IN
Scott Hartsel, University of Wisconsin—Eau Claire, WI
Thomas B. Higgins, Harold Washington College, IL
Kirk Hunter, Texas State Technical College, TX
R. Mark Matthews, Durham Technical Community College, NC

Donna Neal, Shell West Hollow Technical Center, TX
Mary Roslonowski, Brevard Community College, FL
Annemarie Ross, Rochester Institute of Technology – NTID, NY
Susan M. Shih, Emeritus, College of DuPage, IL

Consultants
John V. Clevenger (Chair), Emeritus, Truckee Meadows Community College, NV
Amy Jo Sanders, Stark State College, OH
TYCAB: Next Steps

• Continuation of current activities
  – Resources for Excellence workshops
  – Guidelines updates, additional case studies, and other resources
  – Self-study tool pilot, phase II

• Two-Year College Advisory Board retreat and planning

• Collaborations with four-year community, 2YC$_3$, other stakeholders
ACS Office of Two Year Colleges

• Office of Two-Year Colleges
  – Support for two-year college activities and board
  – Surveys of two-year college chemistry community (www.acs.org/2YColleges)
  – Case studies on use of Guidelines (www.acs.org/2YGuidelines)
  – Collaboration with Undergraduate Programs Office and 2YC (www.acs.org/2YColleges)
Issues of Importance

• What do you see as the most pressing issues at your institution?

• What changes in your institution would strengthen your chemistry program?

• What issues in order of priority would you like to see addressed by the Two-Year College Advisory Board?
Want to know more?

- Office of Two-Year Colleges/ Two-Year College Advisory Board
  - 1-800-227-5558, ext. 8281
  - 2YColleges@acs.org
  - www.acs.org/2YColleges

- Two-Year College Chemistry Consortium (2YC₃)
  - Jason Jadin, 2012 Chair: chair@2yc3.org
  - Tom Higgins, Membership Chair: membership@2yc3.org
  - www.2yc3.org
Questions? Comments?

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