

Two-Year College Chemistry Landscape 2012

Safety Practices and ACS Guidelines

- 1. Which of the following are offered on your campus? (check all that apply)**
 - a. Certificate or associate's degree in chemistry
 - b. Certificate or associate's degree in a chemistry-based technology (e.g., chemical technology, process technology, biotechnology, etc.)
 - c. Certificate or associate's degree in natural sciences, physical sciences, and/or a chemistry-related field
 - d. Transfer programs (without degrees) in chemistry or chemistry-based technology
 - e. General degree program that can be transferred to a four-year program in chemistry or chemistry-based technology
 - f. None of the above
- 2. What is the current total student enrollment for all chemistry courses on your campus?**
 - a. < 100 students
 - b. 100-250 students
 - c. 251-500 students
 - d. 501-1,000 students
 - e. 1,001-1,500 students
 - f. 1,501-2,500 students
 - g. > 2,500 students
- 3. How many chemistry laboratory sections are being taught on your campus in the current term? [Note: include courses that cover both laboratory and lecture. For example, if there are four sections of General Chemistry II and each section includes 3 hours of lecture and 3 hours of lab, then there are four General Chemistry II laboratory sections.]**
 - a. [short answer A]
- 4. Of the total [short answer A] laboratory sections currently taught, how many are organic chemistry sections?**
 - a. [short answer B]
- 5. Of the [short answer B], current organic chemistry laboratory sections, how many have more than 20 students?**
 - a. [short answer C]
- 6. Of the remaining [short answer A—short answer B] current chemistry laboratory sections, how many have more than 25 students?**
 - a. [short answer D]
- 7. Who manages chemical health and safety policies and practices on your campus? (Check all that apply.)**
 - a. One or more Environmental Health & Safety (EHS) professionals within our department/division
 - b. One or more EHS professionals shared with other departments/divisions

- c. One or more faculty members, in addition to their regular teaching duties
- d. A team comprised of faculty, EHS professionals, and others
- e. Not sure
- f. Other (specify):

8. How is chemical safety funded on your campus? (Check all that apply.)

- a. There is a dedicated budget for chemical safety items.
- b. There is a dedicated safety budget shared with other departments/divisions.
- c. Funds to address safety issues are procured as needed.
- d. I'm not sure.
- e. Other (specify):

9. How are safe practices recognized and shared? (Check all that apply.)

- a. Awards administered by department, division, and/or institution
- b. Awards from other organizations
- c. Safety posters and literature
- d. Periodic safety reports or newsletters
- e. Scheduled safety meetings
- f. Incident reporting database
- g. Inclusion of safety practices in personnel evaluations
- h. Not sure
- i. Other (specify):

10. How frequently do staff members, including full- and part-time faculty, laboratory technicians, and student workers, receive training in chemical safety protocols, proper use of equipment, and/or waste management?

	Never	Upon start of employment	Less than once a year	Once a year	More than once a year	Not applicable
Full-time faculty						
Part-time faculty						
Laboratory technicians						
Student help						

11. Which of the following resources are available to faculty and staff on your campus? (Check all that apply.)

- a. Written chemical hygiene plan
- b. Chemical waste disposal facilities
- c. Safety information and reference materials
- d. Personal protective equipment
- e. OSHA-approved chemical storage areas
- f. EHS professionals

12. Which of the following methods are used to incorporate chemical safety topics into the curriculum?

	Not used in any chemistry courses	Used in some chemistry courses	Used in all chemistry courses	Not applicable
Safety overview at the beginning of the term				
Safety overview at the beginning of each laboratory exercise				
Chemical safety topics incorporated into lectures				
Reports and/or presentations by the students on safety topics				
Safety quizzes and/or safety questions incorporated into exams				
Evaluation of real or hypothetical scenarios				

13. What other methods are used to educate students on safety topics?

- a. [Short answer E]

14. Are there any situations in which faculty or students may conduct laboratory work without supervision? If yes, describe.

- a. [short answer F]

15. Please describe any successful safety practices and resources.

- a. [short answer G]

16. Please describe any challenges associated with implementing safety practices and resources.

- a. [short answer H]

17. Are you familiar with ACS safety publications?

- a. Yes
b. No [goes to question 19]

18. If yes, how has this influenced your safety practices?

- a. [short answer I]

19. Are you familiar with ACS Chemical Safety in the Classroom publications and videos?

- a. Yes
b. No [goes to question 21]

20. If yes, how has this influenced your safety practices?

- a. [short answer J]

21. Are you familiar with ACS Guidelines for Chemistry in Two-Year College Programs?

- a. Yes
b. No [goes to question 26]

22. If yes, how has this influenced your safety practices?

- a. [short answer K]

23. Have you used the ACS Guidelines for Chemistry in Two-Year College Programs for the following activities?

	No	Considering using	Yes	Not Applicable
Support for accreditation				
Limiting faculty teaching/ institutional requirements				
Supporting faculty professional development				
Adjusting departmental/ program funding				
Offering student support services				
Acquiring equipment				
Assessing and evaluating the program				
Establishing partnerships with other institutions, community groups, or businesses				
Incorporating non-technical skills, such as teamwork, ethics, and communication, into the curriculum				

24. How useful were the Guidelines for the following activities?

	Of little or no use	Somewhat useful	Very useful
Support for accreditation			
Limiting faculty teaching/ institutional requirements			
Supporting faculty professional development			
Adjusting departmental/ program funding			
Offering student support services			
Acquiring equipment			
Assessing and evaluating the program			
Establishing partnerships with other institutions, community groups, or businesses			
Incorporating non-technical skills, such as teamwork, ethics, and communication, into the curriculum			

25. What additional activities have been informed by the Guidelines?

a. [Short answer M]

26. Are you familiar with *The Use of ACS Guidelines for Chemistry in Two-Year College Programs: a Collection of Case Studies*?

b. Yes

c. No [goes to question 29]

27. Do you anticipate that *The Use of ACS Guidelines for Chemistry in Two-Year College Programs: a Collection of Case Studies* will have an impact on your program?

d. Yes

e. No [goes to question 29]

f. Not sure [goes to question 29]

28. Please describe the impact you anticipate.

g. [short answer N]

29. What additional resources would help you address chemical safety or other topics of interest on your campus?

h. [Short answer O]

30. What additional information you would like to share with ACS?

i. [Short answer P]