Assessment Mini-Tool

Research and Experiential Opportunities in Two-Year College Programs

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Introduction and Instructions

Scope

This assessment of chemistry-based research and experiential opportunities corresponds to Section VI of the *ACS Assessment Tool for Chemistry in Two-Year College Programs*. The assessment tool is designed to allow chemistry faculty and administrations to assess the achievements and areas for improvement of the chemistry-based programs and courses at their institution.

This section assesses only the chemistry-based research and experiential opportunities at your institution. It will guide you through the documentation of research, internships, and similar experiences available through your institutions or partners.

For a more in-depth evaluation of chemistry or chemistry-based technology education at your college, please use the complete *ACS Assessment Tool for Chemistry in Two-Year College Programs*, which can be downloaded at www.acs.org/2YGuidelines.

Instructions for using the assessment mini-tool

Collect data prior to completion of the mini-tool assessment form.

The mini- tool compiles a wide range of data from a variety of sources. It is most efficient to compile the data prior to completion of the assessment form.

It may be beneficial to consult the *ACS Guidelines for Chemistry in Two-Year College Programs* while completing the form. The PDF may be downloaded at [www.acs.org/2YGuidelines](http://www.acs.org/2YGuidelines); hardcopies are available upon request from the ACS Office of Two-Year Colleges.

Complete the comments sections.

Completing the comments sections in the form provides extra nuance to your assessment. For example, a question may ask whether funds are available for faculty professional development, and you may indicate that it is. In the comments section, you could then describe whether these funds are sufficient to keep faculty current in their fields, whether faculty are encouraged to use these funds, and so on.

***Consider completion of other mini-tools.***

Once you have completed this mini-tool, you can choose to assess other aspects of chemistry and chemistry-based technology education at your institution. ACS offers assessment mini-tools that address institutional environment, faculty and staff, infrastructure, curriculum, scholarly research and related activities, development of student skills, student mentoring and advising, self-evaluation and assessment, and partnerships.

A more in-depth analysis can be achieved using the complete *ACS Assessment Tool for Chemistry in Two-Year College Programs*, which collects demographics information and leads the user through an analysis of the challenges and opportunities available. If you use the complete form, you may replace Section III with the results of this assessment of faculty and staff status.

Contact ACS with questions and feedback.

Please direct any questions or concerns, as well as feedback regarding the assessment tool itself, to the ACS Office of Two-Year Colleges (2YColleges@acs.org; 1-800-227-5558, ext. 6108).

Development of the assessment tool

When the revised *ACS Guidelines for Chemistry in Two-Year College Programs* were released in 2009, the Society Committee on Education (SOCED) appointed the Task Force on Two-Year College Activities. The task force was charged with determining the interest in and viability of strategies for engaging and supporting two-year college programs.

In 2010, the task force partnered with the governing body of the ACS Two-Year College Chemistry Consortium (2YC3), the ACS Division of Chemical Education Committee on Chemistry in the Two-Year College (COCTYC). Together, the task force and COCTYC are developing several resources for the two-year college chemistry community.

One of the resources under development by the task force and COCTYC is the assessment tool. This tool was developed in recognition of the increasing pressure on two-year college programs to document and assess their activities. The tool was piloted and refined in 2011–2012 and released to the general public in 2013.

One such resource was the *ACS Assessment Tool for Chemistry in Two-Year College Programs*. This tool was developed in recognition of the increasing pressure on two-year college programs to document and assess their activities. The tool was piloted and refined in 2011–2012 and released to the general public in 2013. It is managed by the ACS Office of Two-Year Colleges with input from the Two-Year College Advisory Board and the Assessment Review Panel.

In 2014, Sections II through X of the *ACS Assessment Tool for Chemistry in Two-Year College Programs* were made available as individual tools for assessment specific aspects of two-year college programs.

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Original Scholarly Research and Related Activities

See Section 6 of the ACS Guidelines for Chemistry in Two-Year College Programs, p. 15.

1. **Which of the following are aligned with the mission and goals of the institution and/or program? (Check all that apply.)**

[ ]  Original scholarly research

[ ]  Student internships

[ ]  Student co-operative learning experiences (co-ops)

[ ]  Long-term student project

[ ]  None of these are aligned with the mission and goals of the institution or program.

1. **Which of the following opportunities are available? (Check all that apply.)**

[ ]  Faculty-led chemistry or chemical education research

[ ]  Student-led chemistry research

[ ]  Student internships

[ ]  Student co-operative learning experiences (co-op)

[ ]  Long-term student projects

[ ]  None of these opportunities are available.

1. **Provide the following information for each type of research or related activity offered.**

[ ]  Additional information is attached.

| ***Type of activity***  | [ ]  Original research[ ]  Student internship[ ]  Student co-op[ ]  Long-term student project | [ ]  Original research[ ]  Student internship[ ]  Student co-op[ ]  Long-term student project | [ ]  Original research[ ]  Student internship[ ]  Student co-op[ ]  Long-term student project |
| --- | --- | --- | --- |
| ***Faculty or institutional unit(s) involved*** | Click here to enter text. | Click here to enter text. | Click here to enter text. |
| ***Average faculty hours per week***  | Choose an item.  | Choose an item.  | Choose an item.  |
| ***Average students participating each term*** | Choose an item. | Choose an item. | Choose an item. |
| ***Average total student hours per week*** | Click here to enter text. | Click here to enter text. | Click here to enter text. |
| Location | Choose an item. | Choose an item. | Choose an item. |
| ***Funding source (Check all that apply)*** | [ ]  Institution[ ]  Government grant[ ]  Academic partners[ ]  Industrial or government partners[ ]  Other (specify): Click here to enter text. | [ ]  Institution[ ]  Government grant[ ]  Academic partners[ ]  Industrial or government partners[ ]  Other (specify): Click here to enter text. | [ ]  Institution[ ]  Government grant[ ]  Academic partners[ ]  Industrial or government partners[ ]  Other (specify): Click here to enter text. |
| ***Frequency of activity*** | Choose an item. | Choose an item. | Choose an item. |
| Student outputs (Check all that apply) | [ ]  Journal articles[ ]  Internal written reports[ ]  Posters for external presentation[ ]  Posters for internal presentation[ ]  Student evaluations[ ]  Most projects have no outputs. | [ ]  Journal articles[ ]  Internal written reports[ ]  Posters for external presentation[ ]  Posters for internal presentation[ ]  Student evaluations[ ]  Most projects have no outputs. | [ ]  Journal articles[ ]  Internal written reports[ ]  Posters for external presentation[ ]  Posters for internal presentation[ ]  Student evaluations[ ]  Most projects have no outputs. |
| ***Student evaluators (Check all that apply)*** | [ ]  Institutional faculty[ ]  Institutional staff[ ]  Faculty at partnering institutions[ ]  Industrial or governmental partners[ ]  Other (specify): Click here to enter text. [ ]  Students do not have formal evaluations. | [ ]  Institutional faculty[ ]  Institutional staff[ ]  Faculty at partnering institutions[ ]  Industrial or governmental partners[ ]  Other (specify): Click here to enter text. [ ]  Students do not have formal evaluations. | [ ]  Institutional faculty[ ]  Institutional staff[ ]  Faculty at partnering institutions[ ]  Industrial or governmental partners[ ]  Other (specify): Click here to enter text. [ ]  Students do not have formal evaluations. |
| ***Student compensation (Check all that apply)*** | [ ]  Academic credit[ ]  Financial compensation[ ]  Tuition reimbursement[ ]  Other (specify): Click here to enter text.[ ]  Students receive no compensation. | [ ]  Academic credit[ ]  Financial compensation[ ]  Tuition reimbursement[ ]  Other (specify): Click here to enter text.[ ]  Students receive no compensation. | [ ]  Academic credit[ ]  Financial compensation[ ]  Tuition reimbursement[ ]  Other (specify): Click here to enter text.[ ]  Students receive no compensation. |
| ***Field(s) of study*** | Click here to enter text. | Click here to enter text. | Click here to enter text. |

Provide any additional comments on faculty-led research and other scholarly activities.

 Click here to enter text.

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