



ACS CENTER FOR
Lab Safety

INSTITUTIONAL SOLUTIONS FOR LAB SAFETY TRAINING



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☒ **ACS Essentials of Lab Safety for General Chemistry**

- ☐ ACS Essentials of Lab Safety for Instructors and TAs
- ☐ ACS Essentials of Lab Safety for Organic Chemistry
- ☐ ACS Case Studies for Research Lab Safety
- ☐ ACS Best Practices for Basic Lab Techniques, Part 1
- ☐ ACS Best Practices for Basic Lab Techniques, Part 2



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ACS Essentials of Lab Safety for General Chemistry

ACS Essentials of Lab Safety for General Chemistry is a 90-minute ADA-compliant digital course that prepares high school or undergraduate students to enter the lab for the first time. Compatible with most learning management systems and accessible on all devices, this highly adoptable tool allows instructors to quickly and conveniently build a foundation in lab safety in the classrooms.

- ✓ **Authoritative Content**
- ✓ **Consistent Lab Safety Instructions**
- ✓ **Seamless LMS Integration**
- ✓ **Compliant with ADA Accessibility Standards**
- ✓ **Accessible on Most Common Devices**



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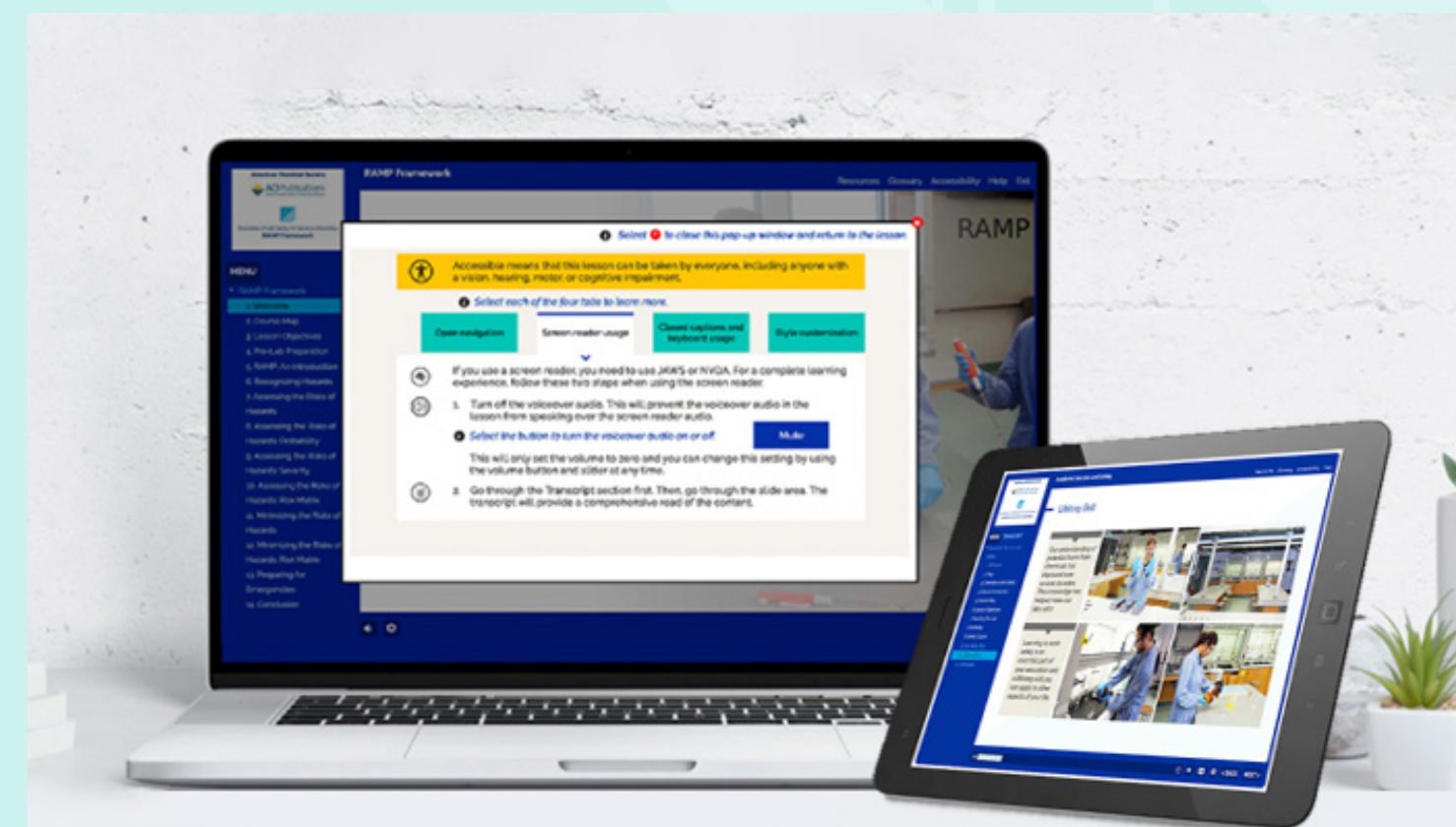
What Does it Offer?

ACS Essentials of Lab Safety for General Chemistry contains six interactive learning modules. These modules introduce the **RAMP framework**, a commonly used laboratory risk assessment method, and walk students through the four principles of **RAMP**—Recognize hazards, assess risks, minimize risks, and prepare for emergencies.

Critical concepts of chemical safety are brought to life through narrated presentations with real life photos and videos, completed with a capstone exercise to assess students' understanding of foundational lab safety protocols.

Designed to cultivate a safety-first mindset, this training course is appropriate for use across general chemistry courses and can be integrated into your school's learning management system (LMS). Instructors can assign exercises from the course and easily track student progress to increase their confidence and accountability.

In addition, *ACS Essentials of Lab Safety for General Chemistry* complies with ADA accessibility standards and is easy to use on all devices, making its content available for all students anytime, anywhere.



Course Delivery:

Integrates directly into your learning management system.

Estimated Time to Complete Course:

1.5 hours

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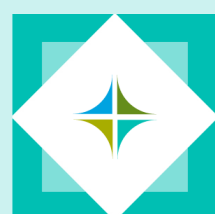
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6 Interactive Learning Modules

- **Lesson 1 — Academic Success and Safety**
Understand the importance of a positive safety culture and the student's role to play.
- **Lesson 2 — RAMP Framework**
The basics of risk assessment with the RAMP framework
- **Lesson 3 — Communication Matters**
The role of chemical labels and GHS pictograms in recognizing common chemical, health, and physical hazards
- **Lesson 4 — Best Practices to Minimize Risks**
How to prepare for, conduct, and clean up after experiments to minimize risks
- **Lesson 5 — Prepare for Emergencies**
Spills, Cuts, Burns, and Fires: Understand how to prepare for and respond to common emergencies
- **Lesson 6 — A Day in the Lab, Capstone Simulation (Assessment)**
Apply the knowledge gained through a simulated exercise.

The image displays three overlapping screenshots of the ACS Essentials of Lab Safety for General Chemistry interactive learning modules. The top screenshot shows the 'RAMP Framework' module, which includes a course map and a list of 11 topics. The middle screenshot shows the 'Best Practices to Minimize Risks' module, specifically the 'Before the Lab: Appropriate Attire' section, which features a video of a person in lab attire and a list of safety rules. The bottom screenshot shows the 'Communication Matters' module, specifically the 'Match Pictograms with Hazards - 1' section, which includes a list of hazards and a matching exercise.





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Authoritative Content

Developed and peer-reviewed by
subject matter experts

The critical information on chemical safety in this course is developed and reviewed by leading experts in the field who bring their years of experience in teaching general chemistry and investigating lab incidents to the development process. You can rest assured that students are learning best practices based on real-world examples.



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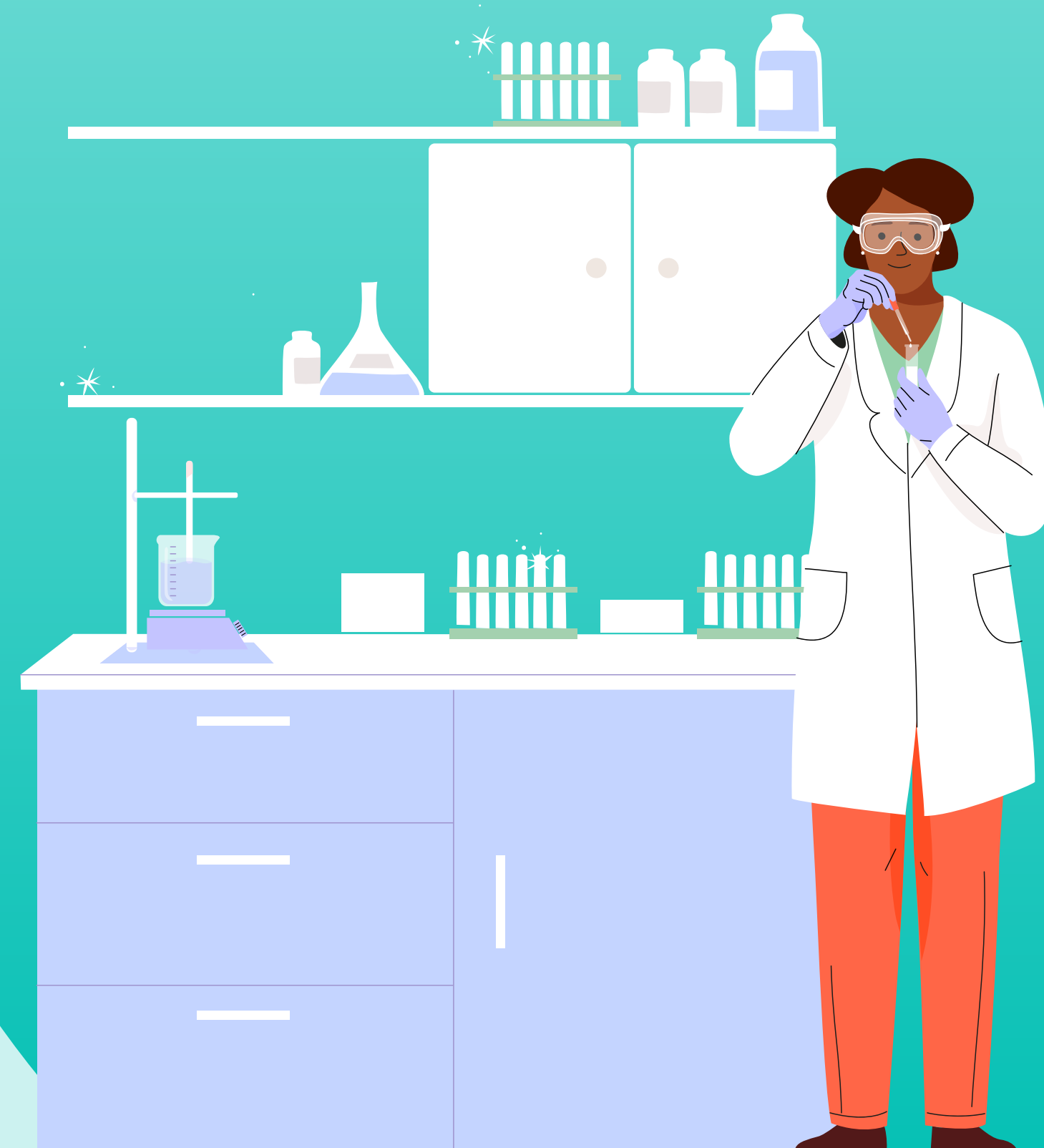


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Consistent Pre-Lab Safety Information

Building a safety-first community

Institutional access to this course helps build a safety-first community quickly and conveniently and eliminates the time and need for faculty and staff to source or develop lab safety resources. The Essentials course introduces common language, concepts, and skills of safety to promote consistent understanding of lab safety protocols among a wide range of learners.



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Seamless LMS Integration

Bringing consistency and accountability
to your curriculum

Track and monitor student progress and understanding through turnkey learning management system (LMS) integration, which provides the administration peace of mind that students are receiving the same high-quality level of safety training across the entire science curriculum.



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Accessible Learning Resources

ACS is committed to ensuring that all of our learning resources are accessible to all users and compatible with leading assistive technologies.



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Accessibility on Most Common Devices

Enabling students to learn anytime,
anywhere

The tech-friendly *ACS Essentials of Lab Safety for General Chemistry* can be accessed easily anytime, anywhere via computers and most mobile devices.



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and get connected with an ACS representative.



Watch A Course Demo