

TV. From Concept to Operation: Key Challenges and Considerations in BSL-4 Stand-Up and Operation

October 14, 2025 | 11:00 am – 3:00 pm CDT
Virtual Professional Development Course

Instructors:

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Overview

This course provides an in-depth exploration of the critical considerations and challenges involved in establishing high-security laboratories, with a focus on Biosafety Level 4 (BSL-4) labs. Participants will gain insights into the unique safety, design, operational, and regulatory requirements that distinguish maximum containment laboratories from other labs. Through case studies, expert insights, and practical discussions, the course will cover topics such as personnel reliability, training programs, emergencies, considerations and challenges, and community acceptance and interactions. Whether you are planning a BSL-4 lab or another high containment lab, this course will equip you with the knowledge to navigate the complexities of setting up and managing these specialized environments while ensuring maximum safety and compliance.

What You'll Learn

- **Design and Operational Requirements for BSL-4 Laboratories** – understand the **unique safety, design, and operational features** that distinguish BSL-4 and other high-containment labs from standard laboratory environments
- **Regulatory and Risk Management Considerations** – covers **regulatory requirements, personnel reliability, emergency preparedness, and training programs** essential for safely managing high-security labs
- **Community Engagement and Real-World Challenges** – explore **community acceptance, public interaction, and the practical challenges** of establishing and operating high-containment facilities

Objectives:

- Analyze and evaluate the complex safety protocols, risk assessments, and regulatory requirements critical to the design, operation, and maintenance of BSL-4 laboratories
- Explore the challenges and considerations involved in constructing and maintaining BSL-4, ensuring both biosecurity and functional efficiency
Examine the ethical considerations, environmental impact, and societal responsibilities associated with high-security labs, focusing on containment procedures, disaster response, and community acceptance

✓ Suggested Background: None

🎯 Who Should Attend: All Safety Professionals, Laboratory Workers

📄 Course Logistics: Course is one 4-hour session. Attendees will need to log on 15 minutes prior to the start time. There will be a 15-minute break during the course. To receive credit and a certificate, attendees must attend the session and complete or access all course modules. The course materials are for **registered participants only**.

💰 Course Fees: ***ABSA Member: \$300 Non-member: \$390**
* To receive the ABSA member rate, participants must be current ABSA members during the training year. Fees include course handouts, access to the ABSA International training site, and 4 hours of expert-led interactive instruction.

📋 Credits: This course has been approved for **0.5 CM points** toward RBP/CBSP recertification. *ABSA International is approved as a provider of continuing education programs in clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for **3.5 P.A.C.E.® contact hours**. Course access links are unique and for individual use only. **Sharing is prohibited**. Duplicate logins or unregistered attendees will be removed from the webinar without a refund.

? Questions: Contact: Kari DeServi, MEd, Director of Education, ABSA Office, 866.425.1385 (toll free)
Email: education@absa.org

Registration Form

7V. From Concept to Operation: Key Challenges and Considerations in BSL-4 Stand-Up and Operation

*Name (First, Middle Initial, Last): _____

*Organization: _____

*Address: _____

*City, State: Country: Zip/Postal Code: _____

*Telephone: _____

*E-mail: _____

(Please provide your preferred email address, which you frequently access)

*Required information

Payment:

_____ ABSA Members \$300.00 USD

_____ Nonmembers \$390.00 USD

To receive the ABSA member rate, participants must be current ABSA members during the training year.

_____ Visa _____ MasterCard _____ American Express

Card Number: _____

Expiration Date: _____ CVV: _____

Name on card: _____

To receive the ABSA member rate, participants must be current ABSA members during the training year. Confirmed, paid participants will receive course details a few days prior. Substitutions allowed with notice by 9/16/2025. Cancellations incur a 15% fee. Between 9/16/2025 and 9/23/2025, 50% refunds apply. No refunds after 9/23/2025.

Each participant will receive a unique, non-transferable link to access the course. These links are intended for individual use only. If multiple entries under the same name appear on the Zoom attendee list, or if unregistered names are detected, all such entries will be removed without refund. Sharing or unauthorized use of webinar links is strictly prohibited.

Register by phone:

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or On-line:

<http://www.absa.org/>