

# Training & Workshops



MCE Consulting's team of microbiologists, biosafety professionals, architects & engineers, bring practical experience in delivering hands-on training workshops that are tailored to each organization's specific needs. Our training courses are based on adult-learning techniques and include:

- 1) *Biosafety and Biosecurity: Principles and Practices.* This course provides the participants with knowledge of the critical aspects of biosecurity, biosafety and biocontainment.
- 2) *Biological Risk Assessment.* This interactive workshop provides participants with the knowledge necessary to perform risk assessments for working safely with dangerous pathogens. Using case studies, participants work together in groups to evaluate the hazards involved and recommend biosafety and containment practices to manage the risk.
- 3) *Containment Laboratory Programming, Design, Construction, Certification and Operation.* Achieving a successful certified containment laboratory that is safe and secure to operate, while at the same time cost-effective to build and maintain in the long run, requires careful advance planning during the programming phase. Through a combination of lectures, case studies and interactive participation, students learn the architectural and mechanical systems required for BSL3 laboratories and animal facilities.
- 4) *Biocontainment Engineering for Biosafety Professionals.* In this workshop participants decipher the nuts and bolts of containment laboratories. Students are given an actual set of BSL3 drawings to evaluate in class. The workshop is designed for those who work in, manage, and operate containment laboratories.
- 5) *Developing a National Biosafety Program.* The four pillars of an effective national strategy include enabling biosafety legislation, biosafety guidelines and training. Intended for national public and animal health authorities, this course provides information on the key elements of a national biosafety program.
- 6) *Biorisk Management Champions & Biosafety Officer Training.* This workshop provides biosafety professionals who are new to the field with a solid understanding of the roles and responsibilities of a practicing biosafety officer. Participants learn about the CWA 15793 Standard for Biorisk Management and become familiar with the WHO AMP model (Assessment, Mitigation, and Performance).
- 7) *Laboratory Audits and Inspections.* This hands-on workshop provides participants with an overview of auditing best-practices in accordance with ISO international standards and applies this knowledge to the inspection of laboratory premises.