

Global Biorisk Curriculum Library, 1

Basic Track

Audience: all personnel involved in biorisk management

- Biorisk Management Basics
 - Orientation to biorisk management
 - Bioethics
 - Dual-use and responsible conduct of research
 - Risk Characterization & Evaluation
 - Biosafety Risk Assessment
 - Biosecurity Risk Assessment
 - Biorisk Mitigation Strategies
 - Introduction to Incident Management & Response

Laboratory-Level Track

*Audience: Biorisk Management Advisors,
Scientific/Laboratory Management, Lab Workforce*

- Lab-Level Administrative Controls
 - Human Performance for Biorisk Management in the Laboratory
 - Developing, evaluating, validating, and communicating standard operating procedures
 - Laboratory level hazard and risk communication

Laboratory-Level Track, continued

- Lab-Level Operational Controls
 - Risk mitigation strategies
 - Developing, evaluating, validating, and communicating standard operating procedures
 - Facility features
 - Engineering Controls and Equipment
 - Good laboratory practices
 - Personal protective equipment
 - Decontamination
 - Disposal
 - Biosecurity
 - Field biosecurity
 - Shipping Infectious Substances and Biological Specimens
- Reporting, monitoring, and Response
 - Incident recognition and response in the laboratory
 - Drills, audits, and inspections (lab-level)

Global Biorisk Curriculum Library, 2

Management & Leadership Track

Audience: (Policy Makers) Top Management, Biorisk Management Advisors, Scientific/Laboratory Management

- Policy, Planning, and Assessment
 - Writing and communicating biorisk management policy
 - Establishing and communicating BRM roles, responsibilities, objectives, and goals
 - Developing, conducting, and maintaining a hazard inventory
 - Identifying legal requirements that impact BRM
 - Work program review and approval
- Developing and Maintaining Human Capacity for Biorisk Management (Managing People)
 - Managing human performance in the BRM workforce
 - Developing, implementing, and evaluating training and other methods to assure BRM competence
 - Establishing and maintaining formal and informal BRM mentoring programs
 - Establishing and maintaining Worker Health Programs
 - Developing roles & responsibilities for risk-based access to and accountability for biological agents and toxins

Management & Leadership Track, continued

- Developing and Maintaining Physical Infrastructure for Biorisk Management
 - Understanding and maintaining facilities & equipment for biorisk management
 - Basic features & maintenance for physical and information security measures
- Incident Management & Response
 - Incident Response Planning and Preparation
 - Incident Response & Investigation
 - Incident Response Evaluation & Improvement
- Measuring and Improving Biorisk Management Performance
 - Measurement and Analysis of Biorisk Management System Performance
 - Conducting Audits and Inspections to Assess Biorisk Management Performance
 - Revising and Improving a Biorisk Management System based on Performance Results
 - Establishing and Using Performance Indicators