

# 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