## Human and Animal Food Laboratory Professionals Curriculum Framework - July, 2019

### Senior Administration
- Accreditation / Certification
- Advocacy
- Budget
- Change Management
- Continuity of Operations
- Facility Management
- Human Resource Management
- ISO (Section 4)
- Legislative Affairs
- Leadership / Executive Program
- Organizational Culture
- Policy Making
- Program / Grant Management
- Public Relations
- Risk Analysis (Management & Communication)
- Stakeholder Support
- Systems Analysis
- Instructor Development
- Project Management

### Supervisor / Manager Program Specific
- Advanced Chemistry
- Advanced Microbiology
- Conflict Resolution and Mediation
- Incident Command System (ICS)
- Negotiation
- Risk Communication Introduction

### Expert (Program Specific)
- Animal Food
- Human Food
- Shellfish
- Instrument Repair
- Laboratory Evaluation Officer
- Coaching
- Nano-technology
- Animal Health
- Animal Food
- Human Food
- Shellfish

### Expert
- Acidified Foods
- Advanced Leadership
- Allergens
- Evidence-Based Decision Making
- Grant Writing
- Internal Audit
- Labeling
- Measurement Uncertainty
- Method Modification / Development
- Risk Analysis
- Validation Methods

### Mid (Program Specific)
- Animal Food
- Animal Health
- Dairy
- Environmental
- Human Food
- Shellfish
- Audit
- Hazardous Material Shipping
- Infectious Agent Shipping
- Waste Management
- Animal Food Safety
- Animal Health
- Food Safety
- Environmental Conditions
- Milk and Dairy Product Safety
- Shellfish

### Mid
- Advanced Communication Skills
- Advanced Quality Techniques
- Basic Leadership Skills
- Critical Thinking
- Evidentiary Integrity
- Human and Animal Food Incident Response
- Laboratory Networks and Partnerships
- Legal Proceedings
- Method Evaluation and Selection
- Root Cause Analysis

### Entry (Program Specific)
- Animal Food
- Biosafety Level 3
- Dairy Regulatory Programs
- Select Agents
- Shellfish Regulatory Programs

### Entry
- Basic Chromatography
- Basic Separation / Extraction Techniques
- Basic Mass Spectrometry
- Basic Spectroscopy
- Environmental Monitoring and Investigations
- Aseptic Techniques
- Basic Foodborne Pathogens
- Environmental Conditions
- Microbiological Testing

© 2017 Last updated Aug, 2019

The Laboratory Framework is being built out through a Cooperative Agreement with FDA, AFDO, AAFCO, and APHL.