State Human and Animal Food Laboratory Professionals
Curriculum Framework - August 2018

ifpti — **FDA U.S. FOOD & DRUG ADMINISTRATION**

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

Supervisor / Manager: Conflict Resolution and Mediation · Incident Command System (ICS) · Negotiation · Risk Communication Introduction

Certificates & Certifications

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 · Chemistry · Microbiology · Validation Methods

Certificates & Certifications

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 · Gas Chromatography - Mass Spectroscopy (GCMS) · Inductively Coupled Plasma Mass Spectrometry (ICPMS) · Liquid Chromatography - Mass Spectroscopy (LCMS) · National Laboratory Networks Methods · Radiological · Advanced Technologies · National Laboratory Networks Methods

Mid:

Code	Topic
M1	Advanced Communication Skills
M2	Advanced Quality Techniques
M3	Basic Leadership Skills
M4	Critical Thinking
M5	Evidentiary Integrity
M6	Human and Animal Food Incident Response
M7	Laboratory Networks and Partnerships
M8	Legal Proceedings
M9	Method Evaluation and Selection
M10	Root Cause Analysis

Certificates & Certifications

Entry (Program Specific):

Code	Topic
EP7	Animal Food
EP8	Dairy
EP9	Environmental
EP10	Animal Health
EP11	Biosafety Level 3
EP12	Select Agents
EP13	Shellfish
EP14	Animal Food Safety
EP15	Environmental Conditions
EP16	Dairy Product Safety
EP1	Basic Chromatography
EP2	Basic Separation / Extraction Techniques
EP3	Basic Spectroscopy
EP4	Aseptic Techniques
EP5	Basic Foodborne Pathogens
EP6	Microbial Testing

Entry:

Code	Topic
E1	Accreditation / Certification
E2	Basic Communication Skills
E3	Basic Laboratory Math
E4	Basic Laboratory Statistics
E5	Basic Laboratory Techniques
E6	Chain of Custody
E7	Ethics
E8	Incident Command System (ICS)
E9	Integrated Food Safety System (IFSS)
E10	Laboratory Information Management System (LIMS)
E11	Method Resources
E12	Public Health Principles
E13	Quality Management Systems
E14	Regulatory Programs
E15	Regulatory Sampling
E16	Safety
E17	Sample Handling
E18	Waste Management

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

APHL · AFDO · AAFCO Association of American Feed Control Officials