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

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

Expert (Program Specific)

Certificates & Certifications

- 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

Mid (Program Specific)

Certificates & Certifications

- Animal Food
- Animal Health
- Dairy
- Environmental
- Human Food
- Shellfish
- Audit
- Hazardous Material Shipping
- Infectious Agent Shipping
- Waste Manage-ment
- Animal Food Safety
- Animal Health
- Food Safety
- Environ-mental 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

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

Entry (Program Specific)

Certificates & Certifications

- Animal Food — EP10
- Biosafety Level 3 — EP11
- Dairy Regulatory Programs — EP12
- Select Agents — EP13
- Shellfish Regulatory Programs — EP14

- Basic Chromatography — EP1
- Basic Separation / Extraction Techniques — EP2
- Basic Mass Spectrometry — EP3
- Basic Spectroscopy — EP4
- Environmental Monitoring and Investigations — EP5
- Aseptic Techniques — EP6
- Basic Foodborne Pathogens — EP7
- Environmental Conditions — EP8
- Microbiological Testing — EP9

Entry

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

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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