



Human and Animal Food Laboratory Professionals Curriculum
Framework - Dec 2018



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 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	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		
	M1		M2		M3		M4		M5	M6		M7		M8		M9		M10		
Entry (Program Specific)	Certificates & Certifications																			
	Animal Food		Environmental			Animal Health			Biosafety Level 3		Dairy Regulatory Programs		Select Agents		Shellfish		Environmental Conditions			
	EP8		EP9			EP10			EP11		EP12		EP13		EP14		EP15			
	Basic Chromatography			Basic Separation / Extraction Techniques			Basic Spectrometry			Basic Spectroscopy		Aseptic Techniques		Basic Foodborne Pathogens		Microbial Testing				
	EP1			EP2			EP3			EP4		EP5		EP6		EP7				
Entry	Accreditation/ Certification	Basic Communication Skills	Basic Laboratory Math	Basic Laboratory Statistics	Basic Laboratory Techniques	Chain of Custody	Ethics	Incident Command System (ICS)	Integrated Food Safety System (IFSS)	Laboratory Information Management System (LIMS)	Method Resources	Public Health Principles	Quality Management Systems	Regulatory Programs	Regulatory Sampling	Safety	Sample Handling	Waste Management		
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18		