



Human and Animal Food Laboratory National Curriculum Standard



Director	Agency/Legal Requirements								Laboratory Oversight							
Expert	Grants, Contracts, & Cooperative Agreements				Management				Regulations, Standards, & Programs (RSPs)				Scientific Acumen			
Mid (Program Specific)	Advanced Animal Food				Radiochemistry				Select Agents and Toxins				Shellfish			
	Advanced Gas Chromatography			Advanced Laboratory Techniques			Advanced Liquid Chromatography			Authenticity				Advanced Laboratory Techniques		
Mid Core	Advanced Quality Techniques	Advanced Safety	Advanced Waste Management	Audit	Emerging Analytical Challenges	Environmental Conditions	Evidentiary Integrity	Good Test Portions	Incident Detection & Response	Laboratory Leadership Skills	Laboratory Networks, Collaborations, & Interagency Programs	Legal Proceedings	Method Evaluation & Selection	QMS II		
Entry (Program Specific)	Animal Food			Biosafety Level 3			Dairy Regulatory Programs			Select Agents			Shellfish Regulatory Programs			
	Basic Chromatography	Basic Separation / Extraction Techniques		Basic Mass Spectrometry	Basic Spectroscopy		Elemental Analysis	Environmental Monitoring & Investigations		Aseptic Techniques		Basic Foodborne Pathogens		Environmental Conditions	Microbiological Testing	
Entry Core	Accreditation / Certification	Basic Communication Skills	Basic Laboratory Math	Basic Laboratory Practices	Basic Laboratory Statistics	Chain of Custody	Ethics	Incident Command System (ICS)	LIMS	Laboratory Sampling	Method Resources	Quality Mgt Systems	Regulatory Sampling	Regulatory Systems	Safety	Waste Mgt
Last Updated May 2026					Chemistry		Microbiology		Specialized Labs							

Quality Manager Pathway