



Human and Animal Food Laboratory National Curriculum Standard



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| Director | Agency/Legal Requirements | | | | | | | | | | Laboratory Oversight | | | | | | | | | | |
| Expert | Grants, Contracts, and Cooperative Agreements | | | | | Management | | | | | Regulations, Standards, and 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 | Laboratory Leadership Skills* | Advanced Quality Techniques | Advanced Safety | Advanced Waste Management | | Audit | Emerging Analytical Challenges | | Environmental Conditions | Evidentiary Integrity | Incident Detection and Response | | Informatics / IT | Laboratory Networks, Collaborations, and Interagency Programs | | Legal Proceedings | Method Evaluation and 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 and Investigations | | Aseptic Techniques | | Basic Foodborne Pathogens | | Environmental Conditions | | Microbiological Testing | | |
| Entry Core | Accredita-tion / Certification | Basic Communi-cation Skills | Basic Laboratory Math | Basic Laboratory Statistics | Basic Laboratory Techniques | Chain of Custody | Ethics | Incident Command System (ICS) | IFSS | LIMS | Laboratory Sampling | Method Resources | Public Health (One Health Approach) | Quality Mgt Systems | Regulatory Systems | Regulatory Sampling | Safety | Waste Mgt | | | |
| Last Updated Feb 2024 | | | Leadership Skills | | | Core | | | Chemistry | | Microbiology | | Specialized Labs | | | | | | | | |