

Food Safety and Biosecurity Core Competencies Course Alignment Matrix

MPH Emphasis: Food Safety and Biosecurity	Required 4 hrs		Select 3-6 courses Minimum 6 hrs						Select 1-2 courses Minimum 2 hrs		Select 1-2 courses Minimum 3 hrs			Elective courses Select any remaining hrs needed from the previous courses or the following list.									
Competencies and Courses P=Primary Course R=Reinforcing Course	FDSCI 730	FDSCI 731	FDSCI 600	FDSCI 750	FDSCI 753	FDSCI 690	FDSCI 791	DMP 855	DMP 816	DMP 844	DMP 815	MC 750	MC 760	DMP 710	DMP 806	DMP 880	DMP 888	FDSCI 601	FDSCI 695	FDSCI 751	FDSCI 820	STAT 705	
1. Food safety and biosecurity: Describe the challenges and solutions for food safety, biosecurity, and defense issues in the food production continuum.	P	P	P	P	R	R	R	R	R	R				R			R	R	R	R	R		
2. Threats to the food system: Categorize specific threats to the food system and scientifically identify how each can be prevented, controlled, and/or mitigated in the food production system.	P	P	R	R		P	P			R				R	R			R	R		R		
3. Risk assessment and management: Identify and categorize risks in the food system; Describe approaches to assessing and managing risk in the food system.	P	P			P	P	P	P						R	R								
4. Food safety policy and the global food system: Describe how food safety and biosecurity policies, globalization, and international trade influence public health.	R	R			R		R		P	P				R			R			R			
5. Effective communication: Develop and illustrate effective strategies to communicate public health/food safety issues to a variety of audiences.	R	R									P	P	P			R							
Reinforces MPH Core Competencies																							

Key to Course Titles

Food Safety and Biosecurity Course List			
Course #	Course Title	Course #	Course Title
DMP 710	Introduction to One Health (2 hrs) (online)	FDSCI 695	Quality Assurance of Food Products (3 hrs)
DMP 806	Environmental Toxicology (2 hrs)	FDSCI 730	Multi Overview of FS and Sec (2 hrs)
DMP 815	Multidisciplinary Thought and Presentation (3 hrs)	FDSCI 731	Food Protection and Defense Concepts (2 hrs)
DMP 816	Trade and Agricultural Health (2 hrs) (online)	FDSCI 750	Food Toxicants (2 hrs) (online)
DMP 844	Global Health Issues (3 hrs) (online + May Inter)	FDSCI 751	Food Laws and the Regulatory Process (2 hrs)
DMP 855	Disease Detection, Surveillance, and Risk Assess (3 hrs)	FDSCI 753	Risk Assess for Food, Ag & Vet Med (3 hrs)
DMP 880	Seminar: Scholarship in a Busy Age (2 hrs) (online)	FDSCI 791	Advanced Apps of HACCP Principles (2 hrs) (odd)
DMP 888	Globalization, Coop, and Food Trade (1) (online)	FDSCI 820	Advanced Food Microbiology & Biotechnology (2 hrs)
FDSCI 600	Microbiology of Food (2 hrs)	MC 750	Strategic Health Communication (3 hrs) (alt yrs)
FDSCI 601	Food Microbiology Lab (2 hrs)	MC 760	Communication and Risk (3 hrs) (alt yrs)
FDSCI 690	Principles of HACCP (2 hrs) (online + in class)	STAT 705	Regression Correlation Analysis (3 hrs)