

Food Safety and Biosecurity Core Competencies Course Alignment Matrix

MPH Emphasis Area Core Competencies: Food Safety and Biosecurity (See key for list of course titles.)	Required 4 hrs		Select 2 courses – 2-4 hrs				Select 1 course		Select 1 course		Select 1 to 3 courses – 3- 6 hrs						Select 1 course – 3 hrs				Elective courses – Select any remaining hours needed from the previous courses or from the following list													
	FDSCI 730	FDSCI 731	FDSCI 600	FDSCI 607	FDSCI 750	FDSCI 915	FDSCI 690	FDSCI 791	DMP 845	DMP 855	DMP 816	DMP 835	DMP 844	DMP 875	DMP 888	DMP 815	DMP 858	MC 750	MC 760	AGEC 710	AGEC 805	AGEC 810	DMP 880	FDSCI 695	FDSCI 727	FDSCI 728	FDSCI 501	FDSCI 751	FDSCI 753	FDSCI 810	FDSCI 815	FDSCI 820	STAT 704	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	P	P																		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					P	P																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														R				R	R				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.	P	P									P	P	P	P	P					R	R	R					R	R						
5. Effective communication: Develop and illustrate effective strategies to communicate public health/food safety issues to a variety of audiences.	P	P														P	P	P	P				R											

P=Primary Course; R=Reinforcing Course

Key to Course Titles

Food Safety and Biosecurity Course List					
Course #	Course Title	Course #	Course Title	Course #	Course Title
AGEC 710	Comparative Food and Ag Systems (3 hrs) (online)	DMP 888	Globalztn, Coop, and Food Trade (1) (online)	FDSCI 751	Food Laws and the Regulatory Process (2 hrs)
AGEC 805	Agricultural Marketing (3 hrs) (online + in class)	FDSCI 501	Food Chemistry (3 hrs)	FDSCI 753	Risk Assess for Food, Ag & Vet Med (3 hrs)
AGEC 810	Price, Income, and Trade Policies in Ag (3 hrs)	FDSCI 600	Micro of Food (2 hrs) (online v of FDSCI 607)	FDSCI 791	Advanced Apps of HACCP Prin (2 hrs) (odd)
DMP 815	Multidisciplinary Thought and Presentation (3 hrs)	FDSCI 607	Food Microbiology (4 hrs)	FDSCI 810	Fermented Foods (2 hrs) (online)
DMP 816	Trade and Agricultural Health (2 hrs) (online)	FDSCI 690	Principles of HACCP (2 hrs) (online + in class)	FDSCI 815	Advanced Food Chemistry (3 hrs)
DMP 835	Food Safety Policy and Politics (3 hrs)	FDSCI 695	Quality Assurance of Food Products (3 hrs)	FDSCI 820	Adv Food Micro & Biotech (2 hrs) (online su odd)
DMP 844	Global Health Issues (3 hrs) (online + May Inter)	FDSCI 727	Chemical Methods of Food Analysis (2 hrs)	FDSCI 915	Food Toxicology (2 hrs) (odd years)
DMP 845	Food Safety Risk Analysis (3 hrs) (online)	FDSCI 728	Physical Methods of Food Analysis (2 hrs)	MC 750	Strategic Health Comm (3 hrs) (alt yrs)
DMP 855	Disease Detec, Surveillance, and Risk Assess (3 hrs)	FDSCI 730	Multi Overview of FS and Sec (2 hrs)	MC 760	Comm and Risk (3 hrs) (alt yrs)
DMP 858	Food Safety Culture and Comm (2 hrs) (online)	FDSCI 731	Food Protection and Defense Cncpts (2 hrs)	STAT 704	Analysis of Variance (2 hrs)
DMP 875	Food Safety, Trade, Law, and Regulation (3 hrs)	FDSCI 750	Food Toxicants (2 hrs) (online)	STAT 705	Regression Correlation Analysis (2 hrs)
DMP 880	Seminar: Scholarship in a Busy Age (2 hrs) (online)				