Nutritional Epidemiology and Public Health Nutrition

Friedman Core*

Nutrition science	Quantitative reasoning	Policy and programs	Experiential learning
NUTR 245 & 246: Scientific Basis for Nutrition, Micro & Macronutrients OR NUTR 370/371: Nutritional Biochemistry and Physiology: Macronutrients / Micronutrients	NUTR 206: Biostatistics 1	NUTR 203 OR NUTR 215 OR NUTR 238 OR NUTR ON 206**	Internship directed study, practicum, job, or other non-classroom experience
2 courses, **6-9CR, FALL/SPR**	*1 course,* **3CR, FALL**	*1 course,* **3CR, VARIES**	*Minimum of 120 hours*

Specialization Requirements

Required courses	Recommended courses	Related courses
NUTR 204: Principles of Epidemiology • **3CR, FALL/SPR**	NUTR 237: Data Management Using SAS • **3CR, FALL**	NUTR 301: Nutrition in the Life Cycle • **1.5CR, SPR**
NUTR 305: Nutritional Epidemiology • **3CR, FALL**	NUTR 394: Advanced Data Analysis • **3CR, FALL**	NUTR 312: Nutrition and Chronic Disease • **1.5CR, SPR**
NUTR 309: Biostatistics 2 • **3CR, SPR**	NUTR 228: Community and Public Health Nutrition • **3CR, FALL**	PH 291: Analysis of Multilevel & Longitudinal Data • **VARIES**
NUTR 319: Intermediate Epidemiology • **3CR, SPR**	NUTR 375: Applied Genetic Epidemiology and Biostatistics in Nutrition Research • **3CR, SPR**	NUTR 272: Physical Activity, Nutrition and Health • **3CR, SPR**
	NUTR 393: Data Visualization and Effective Communication • **3CR, SPR**	NUTR 248: Precision Nutrition • **3CR, SPR**
	NUTR 240: Nutrition Science Journal Club • **0CR, SPR**	NUTR ON 390: Introduction to AI-Based Applications for Nutrition and Health Research • **3CR, FALL**

Skills and Knowledge Gained

Develop skills in study design, dietary assessment, statistical analysis, and causal inference to investigate relationships between nutrition and health. Assess dietary patterns, quantify disease burden, and critically evaluate evidence for bias and confounding. Apply these skills to identify population nutrition needs and disparities, evaluate the role of diet in disease prevention, and translate evidence into dietary recommendations, public health policies, and nutrition interventions.

*Please speak with your advisor or the Dean for Education if you would like to request an exemption or substitution.
** NUTR203: Fundamentals of Nutrition Policy and Programs; NUTR 215: Fundamentals of US Agriculture; NUTR 238: Economics of Food, Agriculture and Nutrition ; NUTR ON 206: Global Nutrition Policy and Programs.
Please note: The courses listed here and their availability may be subject to change. Please check SIS for current course offering.