Online Master of Science

nutrition.tufts.edu

A Typical Student Journey (Online MS)

Tufts University | Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy

There is no "typical" student journey at The Friedman School, so this is intended to give a general overview of the choices available to all online MS students. We encourage you to work with your advisor to design the pathway that works for you.

At a glance

- 30 credits, 10 courses
- 1 year full-time or 2 years part-time

Friedman Online Core

Nutrition Science	Quantitative reasoning	Policy and programs	Experiential Learning
Foundational knowledge on the impact of nutrition on biologic functions and human health	Tools and skills for interpreting and understanding scientific analyses	Understanding mechanisms and functions of policy processes and initiatives (e.g., laws, regulations, programs)	Hands-on practical experience to enhance the in-class learning experience
*1-2 courses, 3-6 credits**	*1 course, 3 credits*	*1 course, 3 credits**	*Minimum of 120 hours*

Specialization and Elective Coursework

Specialization (3 courses, 9 credits)	Elective courses
Students must choose one specialization from a list of four, and complete at least 9 credits in that area. Students may also choose to build their own specialization with guidance from their academic advisor.	After completing their specialization, students must complete a remaining 6-9 credits of other elective coursework, which may include courses within their area of specialization, or from a totally separate discipline

Experiential Learning

Overview	Examples
All MS students must complete a minimum of 120 hours of experiential learning. Students must propose and obtain approval for the project from both their project sponsor and academic advisor.	• Internship • Practicum • Research Assistantship • Master's Thesis • Current Work Experience • Immersive Experience

*Varies, depending on the specialization

Viewbook last updated 01/13/2026. Please note that what is listed on the following pages may be subject to change as course offerings may change over time.

Specializations and Course Listings

Tufts University | Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy

Friedman Online Core*

Nutrition science*	Quantitative reasoning	Policy and programs	Experiential learning
NUTC 202: Fundamentals of Nutrition Science OR NUTR 245 & 246: Scientific Basis for Nutrition, Micro & Macronutrients OR NUTR 370/371: Nutritional Biochemistry and Physiology: Macro & Micronutrients	NUTB 250: Statistical Methods for Health Professionals I	Understanding mechanisms and functions of policy processes and initiatives (e.g., laws, regulations, programs). Courses that fulfill the requirement are indicated by double asterisk (**) below.	Hands-on practical experience to enhance the in-class learning experience
1-2 courses **3-6CR, FALL/SPR**	*1 course* **3CR, FALL**	*1 course,* **3CR, VARIES**	*Minimum of 120 hours*

Course Options by Specialization

Nutrition Science and Policy

NUTB 219: Food Science Fundamentals • **1.5CR, FALL**

NUTB 243: Nutrition, Brain, and Behavior • **1.5CR, FALL**

NUTB 204: Epidemiology for Nutrition Professionals • **3CR, SPR**

NUTB 227: Global Nutrition Programs • **3CR, SPR**

NUTB 238: Economics of Food, Agriculture and Nutrition** • **3CR, SPR**

NUTB 350: Statistical Methods for Health Professionals II • **3CR, SPR**

NUTB 206: Global Food and Nutrition Policy** • **3CR, SUM**

NUTB or NUTC 211: Theories of Behavior Change • **3CR, SUM/SPR**

NUTB 316: Advanced Medical Nutrition Therapy • **3CR, SUM**

NUTB 300: Thesis: Research Methods and Proposal Writing Practicum • **3CR, SUM**

Climate, Sustainability, and Food

NUTC 261: Sustainability on the Farm • **3CR, FALL**

NUTR ON 256: Climate Change: Risk and Adaptation for Food Systems and Beyond • **3CR, FALL**

NUTC 262: Sustainable Food Systems and Markets • **3CR, SPR**

NUTR ON234: Climate, Agriculture, and Food Policy • **3CR, SPR**

NUTC 263: Sustainability and the Food Consumer • **3CR, SUM**

* Please speak with your advisor prior to registration to determine the appropriate nutrition course(s) for your specialization.
**Fulfills policy course requirement

Specializations and Course Listings

Tufts University | Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy

Friedman Online Core*

Nutrition science*	Quantitative reasoning	Policy and programs	Experiential learning
NUTC 202: Fundamentals of Nutrition Science OR NUTR 245 & 246: Scientific Basis for Nutrition, Micro & Macronutrients OR NUTR 370/371: Nutritional Biochemistry and Physiology: Macro & Micronutrients	NUTB 250: Statistical Methods for Health Professionals I	Understanding mechanisms and functions of policy processes and initiatives (e.g., laws, regulations, programs). Courses that fulfill the requirement are indicated by double asterisk (**) below.	Hands-on practical experience to enhance the in-class learning experience
1-2 courses, 3-6 credits	*1 course, 3 credits*	*1 course, 3 credits*	*Minimum of 120 hours*

Course Options by Specialization

Data Analytics and AI

NUTB 250: Statistical Methods for Health Professionals I • **3CR, FALL**
NUTR ON390: Introduction to AI-Based Applications for Nutrition and Health Research • **3CR, FALL**

NUTB 350: Statistical Methods for Health Professionals II • **3CR, SPR**
NUTR ON393: Data Visualization • **3CR, SPR**

NUTR ON237: Data Management Using SAS • **3CR, SUM**

Humanitarian Assistance

NUTR ON222: Gender and Intersectional Analysis in Humanitarian Assistance • **1.5 CR, FALL****

NUTR ON223: Protection in Humanitarian Assistance • **1.5 CR, FALL****

NUTR ON339: Livelihoods, Food Security and Nutrition • **1.5 CR, FALL**

NUTR ON340: Famine, Severe Food Insecurity and Mass Starvation • **1.5 CR, FALL**

NUTR ON229: Humanitarian Action: Past, Present, Future • **3 CR, SPR**

Humanitarian Diplomacy and Negotiation for Access and Advocacy: From Checkpoints to UN Security Council#

International Law and Humanitarian Assistance #

* Please speak with your advisor prior to registration to determine the appropriate nutrition course(s) for your specialization.
**Fulfills policy course requirement
#*Course currently in development*

EXAMPLE: Online MS: Nutrition Science and Policy

EXAMPLE: NSP Specialization Friedman Core (15 credits)

Nutrition science*	Quantitative reasoning	Policy and programs	Experiential learning
NUTR 370/371: Nutritional Biochemistry and Physiology: Macro & Micronutrients ***OR*** NUTR 245 & 246: Scientific Basis for Nutrition, Micro & Macronutrients	NUTB 250: Statistical Methods for Health Professionals I	NUTB 206: Global Food and Nutrition Policy	Internship directed study, practicum, job, or other non-classroom experience
2 courses, 6CR, FALL/SPR	*1 course,* 3CR, FALL	*1 course,* 3CR, SUM	*Approx. 120 hours*

EXAMPLE: NSP Specialization Courses and Electives

Required courses (9 credits)	**Elective coursework (choose 6 credits from list below)*#**
NUTB 204: Epidemiology for Nutrition Professionals • 3CR, SPR	NUTB 211: Theories of Behavior Change • 3CR, SUM
NUTB 350: Statistical Methods for Health Professionals II • 3CR, SPR	NUTB 219: Food Science Fundamentals • 1.5CR, FALL
NUTB 300: Thesis: Research Methods and Proposal Writing Practicum • 3CR, SUM	NUTB 243: Nutrition, Brain, and Behavior • 1.5CR, FALL
	NUTB 227: Global Nutrition Programs • 3CR, SPR
	NUTB or NUTR 238: Economics of Food, Agriculture and Nutrition • 3CR, SPR; 3CR, FALL
	NUTR 397: Directed Study • 3CR, VARIES

*Students should consult with their academic advisor to identify which course(s) best align with their academic goals.
#Students may also consider courses from three other specializations or graduate certificate program with advisor consultation.