

NUTRITION EPIDEMIOLOGY AND DATA SCIENCE DEGREE REQUIREMENT WORKSHEET FOR AY 2022-2023

Interim Division Chair: Fang Fang Zhang
This is NOT an Official Transcript or Record

Student Name: _____

Academic Advisor: _____

NEDS-MS Degree Semester Hour Units Requirement: A minimum of 48

NEDS-PhD Degree Requirements: Students admitted directly to the PhD program must complete a minimum of 12 Semester Hour Units of coursework while enrolled at the Friedman School and are required to fulfill all the course requirements for the MS degree as listed below in addition to the PhD Additional Requirements listed below. Fulfilling these requirements may be through enrollment in these required courses at the Friedman School, or by submitting an Exemption Petition to recognize preparation elsewhere (based on courses completed before starting the PhD degree or by courses completed during the PhD degree but not the Semester Hour Units (SHUs) requirements). For an Exemption of a required course or degree requirement, an Exemption Petition form must be completed. Approval of an [Exemption](#) does NOT decrease the minimum number of Semester Hour Units required for your degree program.

Complete Prior to First Semester:

[Training in Protection of Human Subjects \(CITI\) Degree Requirement \(complete prior to first semester\)](#): The hardcopy of your completed CITI Coursework Requirements Report PDF that indicates the Expiration Date and Reported Score for your completed Biomedical Researchers modules needs to be filed in your academic file folder and needs to be emailed to [Friedman School's Registrar](#) so fulfillment of this degree requirement can be added to your academic record in SIS. CITI Training in Protection of Human Subjects Degree Requirement Fulfilled: YES ___ or NO ___

Graduating Semester - Approval of Intent to Graduate: For a Friedman School degree to be awarded, approval by the faculty (NEDS Academic Advisor and NEDS Division Chair) is required below in order for the Friedman School's Dean and for the Board of Trustees of Tufts University to approve your official degree conferral.

Students in their last semester prior to graduation must complete this Degree Requirement Worksheet (using the Worksheet associated with the semester they were admitted to Friedman) and obtain the required approvals below. Submission of the approved Worksheet to the [Friedman School's Registrar](#) is required for Graduation Checkout.

Based on my review of this worksheet and the student's transcript this student will have met their requirements for graduation by: August (Summer) _____ or February (Fall) _____ or May (Spring) _____ in the Year: _____

Academic Advisor Approval: _____

Date: _____

Division Chair/Thesis Chair Approval: _____

Date: _____

Course #	Course Title	SHU	Offered	Semester/ Year Enrolled Mark an "E" for Exemption	Grade
Epidemiology and Biostatistics Required Skills Courses (24 SHUs):					
Core courses that must be completed during your FIRST fall semester:					
NUTR 0204	Principles of Epidemiology	3	Fall		
NUTR 0206	Biostatistics I plus required Laboratory	3	Fall		
NUTR 0237	Data Management Using SAS	3	Fall		
NUTR 0240	Nutrition Science Journal Club (<i>first of two-semester sequenced course</i>)	0	Fall		
Core courses that must be completed during your FIRST spring semester:					
NUTR 0240	Nutrition Science Journal Club (<i>second of two-semester sequenced course</i>)	0	Spring		
NUTR 0309	NUTR 0309: Biostatistics II (<i>prerequisite: NUTR 0206 or PH 0205; students that have not taken NUTR 0204: Principles of Epidemiology or equivalent coursework are strongly encouraged to take NUTR 0204 concurrently with NUTR 0309. Note: For MS/MPH students this course is an approved equivalent course for Tufts Public Health's course, PH 0206: Intermediate Biostatistics.</i>)	3	Spring		
NUTR 0319	Intermediate Epidemiology (<i>pre-requisites: SAS knowledge required, NUTR 0204, NUTR 0206 or equivalents, and NUTR 0309 or equivalents, or concurrently taking NUTR 0309 or equivalents, or instructor consent</i>)	3	Spring		
Core courses that must be completed during your SECOND fall or spring semester:					
NUTR 0305	Nutritional Epidemiology (<i>prerequisites: NUTR 0204, NUTR 0206 and NUTR 0309 or their equivalents; pre-requisites may not be taken concurrently with NUTR 0305</i>)	3	Fall		
NUTR 0393	Data Visualization and Effective Communication	3	Spring		
NUTR 0394	Advanced Data Analysis	3	Fall		
Nutrition Science Required Skills Courses for all Specializations except the Biochemical and Molecular Nutrition Specialization (6 SHUs):					
NUTR 0245	Scientific Basis of Nutrition: Micronutrients (<i>first of two semester-sequenced courses; common substitute: NUTB 0305 (fall) plus required in-person class sessions</i>)	3	Fall		
NUTR 0246	Scientific Basis of Nutrition: Macronutrients (<i>second of two semester-sequenced courses; common substitute: NUTB 0205 (spring) plus required in-person class sessions</i>)	3	Spring		
Specialization Requirement – Select one of the Specialization options listed below; consult with Division Chair for any course substitutions for the courses listed below in advance of enrollment:					
Biochemical and Molecular Nutrition Specialization Option (15 SHUs):					
BCHM 0223	Graduate Biochemistry – (Friedman's Registrar arranges cross-registration enrollment; please discuss with Division Chair potential options for cross-registration in an alternate course if prefer to complete in fall.)	6	Fall		
NUTR 0370	Nutritional Biochemistry and Physiology: Macronutrients (<i>prerequisites: NUTR 0202, NUTR 0208, BCHM 0223, or their equivalents</i>)	4.5	Fall		
NUTR 0371	Nutritional Biochemistry and Physiology: Micronutrients (<i>prerequisites: NUTR 0202, NUTR 0208, BCHM 0223, or their equivalents</i>)	4.5	Spring		

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Student Name: _____

Course #	Course Title	SHU	Offered	Semester/ Year Enrolled Mark an "E" for Exemption	Grade
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Specialization Requirement – Select one of the Specialization options listed below; consult with Division Chair for any course substitutions for the courses listed below in advance of enrollment:

Global Nutrition Epidemiology Specialization Option (9 SHUs) – select three of the following courses:

NUTR 0203	Fundamentals of Nutrition Policy and Programming (<i>common substitution: NUTB 0206: Global Food and Nutrition Policy (summer) plus required in-person class sessions during the course's MNISP Residency</i>)	3	Fall		
NUTR 0217	Monitoring and Evaluation of Nutrition and Food Security Projects (<i>enrollment limited to 22 students</i>)	3	Spring		
NUTR 0227	International Nutrition Programs	3	Fall		
NUTR 0228	Community and Public Health Nutrition (<i>prerequisite: NUTR 0245 and NUTR 0246 or equivalent</i>)	3	Fall		
NUTR 0238	Economics for Food and Nutrition Policy	3	Spring		
NUTR 0304	Nutrition, Food Security and Development (<i>prerequisites: NUTR 0203 or NUTB 0206 and NUTR 0238 or instructor consent</i>)	3	Fall		
NUTR 0308	Nutrition in Emergencies Policies, Practice and Decision-Making	3	Spring		
NUTR 0392	Nutrition Systematic Reviews and Knowledge Translation	3	Spring		

Nutrition Epidemiology and Data Analytics Specialization Option (9 SHUs):

NUTR 0231	Fundamentals of GIS (<i>enrollment limited to 20 students</i>)	3	Fall/Spring		
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Select TWO of the following courses (Discuss with Division Chair if interested in enrolling in an alternate course substitute to be added in the blank row below):

GIS 0102	Advanced GIS (<i>prior enrollment in GIS 0101 or equivalent recommended; cross-registration needed to enroll</i>)	3	Spring		
NUTR 0392	Nutrition Systematic Reviews and Knowledge Translation	3	Spring		
NUTR 0393	Data Visualization and Effective Communication	3	Spring		
NUTR 0394	Advanced Data Analysis	3	Fall		

Entrepreneurship and Innovation in Nutrition Optional Specialization (9 SHUs):

Select at least 3 SHUs or more of these courses:

NUTR 0226	Food from Production to the Marketplace	3	Fall		
NUTR 0280	Nutrition and Entrepreneurship	3	Spring		

Plus at least 6 SHUs from this list of courses:

NUTR 0213	Social Media for Health & Nutrition Communication	1.5	Fall		
NUTR 0273	Social Psychology of Eating Behavior	3	Spring		
NUTR 0278	Corporate Social Responsibility in the Food Industry	3	Spring		
NUTR 0284	Food Law and Regulation	3	Spring		
NUTR 0306	Communicating Health Information to Diverse Audiences	1.5	Fall		
NUTR 0344	Food Industry's Role in Food System Sustainability	3	Fall		
NUTR 0393	Data Visualization and Effective Communication	3	Spring		

Self-Designed Specialization in Area of Your Choice (a minimum of 9 SHUs):

Must be at least 9 SHUs of coursework (only three SHUs may be a required course and only 3 SHUs may be a Directed Study course). Cross-registered courses and courses taken outside the Friedman School that are eligible for transfer of Semester Hour Units may be used for the Specialization.

Specialization Title: _____

Self-Designed Specialization Course #	Course Title	SHU	Offered	Semester/ Year Enrolled Mark an "E" for Exemption	Grade

OPTIONAL - Master's Thesis - OPTIONAL (9 SHUs) (Click here to review the Master's Thesis Guidelines for NEDS Students:

<https://nutrition.tufts.edu/sites/default/files/documents-forms/OptionalMastersThesisGuidelinesNEDS.pdf>)

Important to Note: The Master's Thesis does not replace the Specialization requirement.

NUTR 0397	Preliminary Research (first summer semester)	3	Summer		
NUTR 0397	Thesis Proposal (second fall semester)	3	Fall		
NUTR 0497	Thesis (second spring semester)	3	Spring		

List below any additional electives needed to fulfill the minimum 48 semester hour units requirement:

FOR PHD ONLY – ADDITIONAL REQUIREMENTS:

NUTR 0249 Doctoral Seminar in Nutrition Epidemiology and Data Science - *Meets the first and third Tuesday of every month (two-semester sequenced course required for PhD degree until graduation); this course is 0 SHUs with a Satisfactory/Unsatisfactory grading basis and is offered in the Fall and Spring semesters.*

- BEFORE passing the Qualifying Examination, PhD students must take one Advanced Epidemiology or Advanced Statistics course. *Please discuss course options with Academic Advisor/Thesis Chair and meet with Division Chair for approval.*
- Completion of Individualized Development Plan (myIDP; <https://myidp.sciencecareers.org/>) is required during the first semester as a doctoral student; only email completion date of myIDP to PhDForms@tufts.edu.
- Completion of Annual Progress Report (APR) is required and due by July 31st each year and a copy of the completed APR must be submitted to the Academic Dean via email to PhDForms@tufts.edu.
- Completion of the Doctoral Compact Form between PhD student and Thesis Chair (with optional participation of Thesis Committee or other mentors); complete this form in conjunction with the development of the Thesis Letter of Intent (must be completed in advance of first Thesis Committee Meeting) and email PhDforms@tufts.edu.