

**BIOCHEMICAL AND MOLECULAR NUTRITION DEGREE REQUIREMENT WORKSHEET FOR AY 2022-2023**

Division Chair: Stefania Lamon-Fava

*\*This is NOT an Official Transcript or Record\**

Student Name: \_\_\_\_\_

Academic Advisor: \_\_\_\_\_

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

If NUTR 0202 (the prerequisite for admittance to the BMN degree program) is taken and passed at Friedman, a minimum of 51 Semester Hour Units is required for this Master of Science degree.

**BMN-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 on page two.** 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. Friedman student forms: <http://nutrition.tufts.edu/students/registrar/forms>.

**Complete Prior to First Semester:**

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

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

Students in their last semester prior to graduation must complete this Degree Requirement Worksheet (associated with their admittance semester) and obtain required approvals. 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 it appears that this student will have met their requirements for graduation by: August (Summer) \_\_\_\_ or February (Fall) \_\_\_\_ or May (Spring) \_\_\_\_ (Year) \_\_\_\_\_

Academic Advisor Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Division Chair/Thesis Chair Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Course #	Course Title	SHUs	Offered	Semester/ Year Enrolled Mark an "E" for Exemption	Grade
<b>Core Required Courses (15 SHUs):</b>					
BCHM 0223	Graduate Biochemistry (Friedman School's Registrar arranges cross-registration enrollment)	6	Fall		
NUTR 0370	Nutritional Biochemistry and Physiology: Macronutrients (prerequisites: NUTR 0202, BCHM 0223 (or their equivalents))	4.5	Fall		
NUTR 0371	Nutritional Biochemistry and Physiology: Micronutrients (prerequisites: NUTR 0202, BCHM 0223 (or their equivalents))	4.5	Spring		
<b>Skills Required Courses (13.5 SHUs):</b>					
NUTR 0204	Principles of Epidemiology	3	Fall/Spring		
NUTR 0206	Biostatistics I plus required Laboratory	3	Fall		
NUTR 0225	Introduction to Modern Biology Techniques	1.5	Fall		
NUTR 0236	Practicum in Bioresearch Techniques (requires oral presentation) - will resume when labs open fully**	3	**Fall/Spring/ Summer		
NUTR 0240	Nutrition Science Journal Club (required for first two semesters of MS degree)	0	Fall & Spring		
NUTR 0309	Biostatistics II (prerequisite: NUTR 0206); <b>students that have not taken NUTR 0204: Principles of Epidemiology or equivalent coursework are strongly encouraged to take NUTR 0204 concurrently with NUTR 0309.</b>	3	Spring		
<b>Policy Course - Select One of the Following or other course option with advanced approval of Division Chair (3 SHUs):</b>					
NUTR 0203	Fundamentals of Nutrition Policy and Programming: How Science and Practice Interact or MNSP's Summer semester course NUTB 0206: Global Food & Nutrition (equivalent to NUTR 0203; online course plus required three-day in-person class sessions; complete Qualtrics online form during the summer/fall registration period to be enrolled)	3	Fall		
NUTR 0226	Food from Production to the Marketplace	3	Fall		
NUTR 0228	Community and Public Health Nutrition (prerequisite: NUTR 0202 or course equivalent)	3	Fall		
NUTR 0238	Economics for Food Policy Analysis	3	Spring		
NUTR 0303	Determinants of U.S. Food Policy (prerequisites: NUTR 0206/NUTR 0309, and NUTR 0238)	3	Fall		
NUTR 0325	Science-Based Interventions for Child Malnutrition	3	Fall		

**Student Name:** \_\_\_\_\_

<b>FOR PHD ONLY – ADDITIONAL REQUIREMENTS:</b>					
NUTR 0250: Doctoral Seminar in Biochemical and Molecular Nutrition - <i>Meets the third Tuesday of every month (two-semester sequenced course required for PhD degree until graduation)</i>					
Completion of Individualized Development Plan (myIDP; <a href="https://myidp.sciencecareers.org/">https://myidp.sciencecareers.org/</a> ) is required during the first semester as a doctoral student; only email completion date of myIDP to <a href="mailto:PhDForms@tufts.edu">PhDForms@tufts.edu</a> .					
Completion of Annual Progress Report (APR) is required and due by July 31 <sup>st</sup> each year and a copy of the completed APR must be submitted to the Academic Dean via email to <a href="mailto:PhDforms@tufts.edu">PhDforms@tufts.edu</a> .					
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 <a href="mailto:PhDforms@tufts.edu">PhDforms@tufts.edu</a> .					
<b>BMN Specialization Degree Requirement (minimum of 9 SHUs):</b>					
Must be at least <b>nine Semester Hour Units</b> of coursework (only <b>3 SHUs</b> may be a required course, and only <b>3 SHUs</b> may be a Directed Study course). Courses taken outside the Friedman School, including <a href="#">approved transferred courses</a> , may be used for the Specialization. Complete the BMN Specialization Requirement Worksheet (see page 2) so your fulfillment of this degree requirement may be officially added to your SIS academic record/transcript.					
<b>Self-Designed Specialization in Area of Your Choice Option (a minimum of 9 SHUs; consult with the Academic Advisor):</b>					
Must be at least <b>nine Semester Hour Units</b> of coursework (only <b>3 SHUs</b> may be a required course and only <b>3 SHUs</b> 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. Complete the required Self-Designed <a href="#">Specialization Approval form</a> so fulfillment of the Specialization degree requirement may be added to your SIS academic record/transcript. If your Specialization has not yet been added to your academic record/transcript in SIS and you are graduating this semester, you may enter your Specialization information below for approval.					
<b>Specialization Title:</b> _____					
Course (e.g., NUTR 0217)	Course Title	SHUs	Semester/Year		
<b>Bioinformatics Specialization (a minimum of 9 SHUs):</b>					
<b>The selection of the courses for this specialization must be made in consultation with the BMN Division Chair.</b>					
<b>Epidemiology Specialization Option (a minimum of 9 SHUs):</b>					
<b>Suggested courses below; may be modified by consultation with the BMN Division Chair.</b>					
NUTR 0305	Nutritional Epidemiology ( <i>prerequisites: NUTR 0204, NUTR 0206/NUTR 0309 or their equivalents; may not be taken concurrently</i> )	3	Fall		
NUTR 0319	Intermediate Epidemiology ( <i>The lab session will be taught in a computer lab equipped with SAS; prerequisites: NUTR 0204, NUTR 0206 or equivalents, and NUTR 0309 or equivalents, or concurrently taking NUTR 0309 or equivalents</i> )	3	Spring		
NUTR 0394	Advanced Data Analysis	3	Fall		
<b>Nutrition Communication Specialization Option (a minimum of 9 SHUs):</b>					
<b>Note: Discuss with Division Chair in advance of enrollment if interested in an alternate course; per approval, add course in last row of this section.</b>					
<b>TO FULFILL THE MINIMUM REQUIRED 9 SEMESTER HOUR UNITS, SELECT FROM THE FOLLOWING COURSE OPTIONS:</b>					
NUTR 0211	Theories of Behavior Change and Their Application in Nutrition and Public Health Interventions ( <i>common substitution: MNSP's NUTB 0211: Theories of Behavior Change in summer semester; online course plus required three-day in-person class sessions; complete Qualtrics online form during the summer/fall registration period to be enrolled.</i> )	3	Fall		
NUTR 0218	Communications Strategies in Nutrition and Health Promotion Nutrition ( <i>enrollment limited to 20 students; prerequisite: NUTR 0211</i> )	3	Spring		
NUTR 0220	Fundamentals of Writing About Nutrition and Health ( <i>enrollment limited to 20 students</i> )	1.5	Fall		
NUTR 0306	Communicating Health Information to Diverse Audiences ( <i>enrollment limited to 15 students; prerequisite: NUTR 0220; may not be taken concurrently</i> )	1.5	Fall		
NUTR 0322	Writing Well About Food and Nutrition ( <i>enrollment limited to 20 students</i> )	3	Fall		
<b>Nutrition Interventions Specialization Option (a minimum of 9 SHUs):</b>					
NUTR 0303	Determinants of US Food Policy ( <i>prerequisites: NUTR 0206/NUTR 0309 or equivalent, and NUTR 0238</i> )	3	Fall		
<b>SELECT ONE OF THE FOLLOWING COURSES:</b>					
NUTR 0228	Community and Public Health Nutrition ( <i>prerequisite: NUTR 0202 or course equivalent</i> )	3	Fall		
NUTR 0325	Science-Based Interventions for Child Malnutrition	3	Fall		
<b>SELECT ONE OF THE FOLLOWING COURSES:</b>					
NUTR 0210	Survey Research Nutrition ( <i>prerequisite: NUTR 0206 or equivalent</i> )	3	Spring		
NUTR 0211	Theories of Behavior Change and Their Application in Nutrition and Public Health Interventions ( <i>common substitution: MNSP's NUTB 0211: Theories of Behavior Change in summer semester; online course plus required three-day in-person class sessions; complete Qualtrics online form during the summer/fall registration period to be enrolled.</i> )	3	Fall		
NUTR 0228 OR NUTR 0325	Community and Public Health Nutrition ( <i>enrollment limited to 35 students; prerequisite: NUTR 0202</i> ) Science-Based Interventions for Childhood Malnutrition	3 3	Fall Fall		

**Student Name:** \_\_\_\_\_

<b>Entrepreneurship and Innovation in Nutrition Optional Specialization (a minimum total of 9 SHUs):</b>					
<b>Select 3 SHUs or more of these courses:</b>					
NUTR 0226	Food from Production to the Marketplace	3	Fall		
NUTR 0280	Nutrition and Entrepreneurship	3	Spring		
<b>Plus at least 6 SHUs from this list of courses:</b>					
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		