

BIOCHEMICAL AND MOLECULAR NUTRITION DEGREE REQUIREMENT WORKSHEET FOR AY 2018-2019

Division Chair: Stefania Lamon-Fava

This is NOT an Official Transcript or Record

Student Name: _____

Academic Advisor: _____

BMN-MS 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. 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>.

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 for Intent to Graduate at the bottom of the form. Submission of the completed and approved Worksheet to Friedman's Registrar (Jaharis, 123 or michelle.frankfort@tufts.edu) is required for Graduation Checkout.

Student Name _____

Academic Advisor _____

| Course # | Course Title | SHUs | Offered | Semester/Year Enrolled Mark an "E" for Exemption | Grade |
|--|--|------|--------------------|---|-------|
| Core Required Courses (18 SHUs): | | | | | |
| BCHM 0223 | Graduate Biochemistry (Friedman's Registrar arranges cross-registration via Sackler) | 6 | Fall | | |
| NUTR 0208 | Human Physiology | 3 | Spring | | |
| NUTR 0370 | Nutritional Biochemistry and Physiology: Macronutrients (prerequisites: NUTR 0202, NUTR 0208, BCHM 0223 (or their equivalents)) | 4.5 | Fall | | |
| NUTR 0371 | Nutritional Biochemistry and Physiology: Micronutrients (prerequisites: NUTR 0202, NUTR 0208, BCHM 0223 (or their equivalents)) | 4.5 | Spring | | |
| Skills Required Courses (13.5 SHUs): | | | | | |
| NUTR 0204 | Principles of Epidemiology (common substitution: PH 0201 - spring or summer) | 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) | 3 | Fall/Spring/Summer | | |
| NUTR 0240 | Nutrition Science Journal Club (required for first two semesters of MS degree) | 0 | Fall & Spring | | |
| NUTR 0309 | Statistical Methods in Nutrition Research II (prerequisite: NUTR 0206) | 3 | Spring | | |
| Policy Course - Select One of the Following or other option with approval of Program Director (3 SHUs): | | | | | |
| 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. | | | | | |
| NUTB 0206 | Global Food and Nutrition (online except for required three-day in-person class sessions) | 3 | Summer | | |
| NUTR 0203 | Fundamentals of Nutrition Policy and Programming: How Science and Practice Interact | 3 | Fall | | |
| NUTR 0226 | Food from Production to the Marketplace | 3 | Spring | | |
| NUTR 0228 | Community and Public Health Nutrition (prerequisite: NUTR 0202; 23 enrollment limit) | 3 | Fall & Spring | | |
| NUTR 0234 | Basics of U.S. Public Policy | 3 | Spring | | |
| NUTR 0238 | Economics for Food Policy Analysis | 3 | Spring | | |
| NUTR 0303 | Determinants of U.S. Food Policy (prerequisites: NUTR 0203, NUTR 0206, NUTR 0309, and NUTR 0238) | 3 | Fall | | |
| NUTR 0325 | Science-Based Interventions for Child Malnutrition | 3 | Fall | | |
| Training in Protection of Human Subjects (CITI) Degree Requirement for both MS & PhD degrees; this requirement should be completed in advance of Orientation and emailed to Friedman's Registrar . Did you email Friedman's Registrar your Completion of CITI Certification PDF document? YES or NO | | | | | |
| FOR PHD ONLY – ADDITIONAL REQUIREMENTS: | | | | | |
| NUTR 0250 | Doctoral Seminar in Biochemical and Molecular Nutrition - Meets the third Tuesday of every month (two-semester sequenced course required for PhD degree for two years) | 0 | Fall & Spring | | |
| 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 31 st 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 . | | | | | |

BMN Specialization Degree Requirement (minimum of 9 SHUs): Must be at least nine Semester Hour Units of coursework (only 3 SHUs may be a required course, and only 3 SHUs may be a Directed Study course). Courses taken outside the Friedman School, including [approved transferred courses](#), 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.

BMN SPECIALIZATION REQUIREMENT WORKSHEET FOR AY 2018-2019 – Continued – Page 2

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

Must be at least **nine Semester Hour Units** of coursework (only **3 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. Complete the required Self-Designed [Specialization Approval form](#) 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.

Specialization Title: _____

| Course (e.g., NUTR 0217) | Course Title | SHUs | Semester/Year |
|-----------------------------|--------------|------|---------------|
| | | | |
| | | | |

Bioinformatics Specialization (a minimum of 9 SHUs):

The selection of the courses for this specialization must be made in consultation with the BMN Division Chair.

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Epidemiology Specialization Option (a minimum of 9 SHUs):

Suggested courses below; may be modified by consultation with Epidemiology Academic Advisor

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|-----------|---|---|--------|--|
| NUTR 0305 | Nutritional Epidemiology (prerequisites: NUTR 0204, NUTR 0206/NUTR 0309 or their equivalents; may not be taken concurrently) | 3 | Fall | |
| NUTR 0319 | Intermediate Epidemiology (prerequisites: NUTR 0204, NUTR 0206/NUTR 0309 or equivalents, or concurrently taking NUTR 0309 or equivalents) | 3 | Spring | |
| NUTR 0323 | Intermediate Biostatistics: Regression Methods (prerequisites: NUTR 0209 or PH 0205) | 3 | Fall | |

Nutrition Communication Specialization Option (a minimum of 12 SHUs):

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.

REQUIRED:

| | | | | |
|-----------|---|-----|------|--|
| NUTR 0211 | Theories of Behavior Change and Their Application in Nutrition and Public Health Interventions (common substitution: NUTB 0211: Theories of Behavior Change (spring; online except for required three-day in-person class sessions) | 3 | Fall | |
| NUTR 0220 | Fundamentals of Writing About Nutrition and Health (enrollment limited to 20 students) | 1.5 | Fall | |
| NUTR 0306 | Communicating Health Information to Diverse Audiences (enrollment limited to 15 students; prerequisite: NUTR 0220; may not be taken concurrently) | 1.5 | Fall | |
| NUTR 0322 | Writing Well About Food and Nutrition (enrollment limited to 20 students; prerequisite: NUTR 0220; may not be taken concurrently) | 3 | Fall | |

PLUS 3 SHUs OF COURSEWORK:

| | | | | |
|-----------|---|-----|--------|--|
| HCOM 0508 | Technology and Design for Public Health (cross-register via Public Health) | 1.5 | Fall | |
| HCOM 0544 | Professional Communication (cross-register via Public Health) | 1.5 | Summer | |
| NUTR 0218 | Communications Strategies in Nutrition and Health Promotion Nutrition (enrollment limited to 20 students) | 3 | Spring | |

Nutrition Interventions Specialization Option (a minimum of 9 SHUs):

| | | | | |
|-----------|---|---|------|--|
| NUTR 0303 | Determinants of US Food Policy (prerequisites: NUTR 0203 or equivalent, and NUTR 0206/NUTR 0309 or equivalent, and NUTR 0238) | 3 | Fall | |
|-----------|---|---|------|--|

SELECT ONE OF THE FOLLOWING COURSES:

| | | | | |
|-----------|--|---|---------------|--|
| NUTR 0228 | Community and Public Health Nutrition (enrollment limited to 23 students; prerequisite: NUTR 0202) | 3 | Fall & Spring | |
| NUTR 0325 | Science-Based Interventions for Child Malnutrition | 3 | Fall | |

SELECT ONE OF THE FOLLOWING COURSES:

| | | | | |
|------------------------------|--|---|---------------|--|
| NUTB 0211 | Theories of Behavior Change (online except for required three-day in-person class sessions) | 3 | Spring | |
| NUTR 0210 | Survey Research Nutrition (prerequisite: NUTR 0206 or equivalent) | 3 | Spring | |
| NUTR 0211 | Theories of Behavior Change and Their Application in Nutrition and Public Health Interventions | 3 | Fall | |
| NUTR 0216 | Management, Planning, and Control of Nutrition and Health Programs and Organizations (common substitution for non-MS/MPH students: PH 0216 – cross-register via Public Health) | 3 | Spring | |
| NUTR 0228 OR NUTR 0325 | Community and Public Health Nutrition (enrollment limited to 23 students; prerequisite: NUTR 0202) | 3 | Fall & Spring | |
| | Science-Based Interventions for Childhood Malnutrition | 3 | Fall | |

Complete for Graduation - Approval of Intent to Graduate:

Based on my review of this worksheet and the student's transcript it appears that this student will have met his/her requirements for graduation by (circle month): **August (Summer)** or **February (Fall)** or **May (Spring)** (Year) _____

Academic Advisor/Thesis Chair Approval: _____

Date: _____

Division Chair Approval: _____

Date: _____