



HUMAN SCIENCES (PHD) - BIOCHEMICAL AND MOLECULAR NUTRITION

Description

Designed to meet the needs of nutritional specialists with biochemical and molecular knowledge in academia, industry, government, and non-government organizations.

Students in this program will acquire the following competencies through a combination of class work and cutting-edge laboratory research:

- Human nutrition
- Biochemistry and molecular biology
- Experimental design and statistical data analysis
- Presentation skills
- Research proposal development

Program-Related Information

Graduate Chair

Sathish Kumar Natarajan
402-472-3716
snatarajan2@unl.edu

Support Staff

Kelly Durkin
402-472-3716
kdurkin2@unl.edu

Program Website

<https://cehs.unl.edu/nhs/human-sciences-phd/>

Applying for Admission

Standard requirements for all graduate programs

- Application for Admission with \$50 non-refundable application fee (<https://graduate.unl.edu/admissions/requirements/#appfee>).
- Transcripts (<https://graduate.unl.edu/admissions/requirements/#transcripts>) (unofficial): Uploaded as part of application form.
If International: Uploads must include all college- or university-level transcripts or mark sheets (records of courses and marks earned), with certificates, diplomas, and degrees plus certified English translations.
- If applicant's native language is not English, verification of English proficiency (<https://graduate.unl.edu/admissions/english-proficiency/>) is required.

After admission: Official documents are required from all students who are admitted and enroll. Photocopies of certified records are not acceptable. International students enrolled in other U.S. institutions may have certified copies of all foreign records sent directly to the Office of Graduate Studies by their current school's registrar office.

When sending TOEFL scores, our institution code is 6877 and a department code is not needed.

- If applicant is not a US citizen and expects an F or J visa: financial information (<https://graduate.unl.edu/prospective/international/financial/>).

- Applicants must also fulfill any additional requirements the department specifies at the time of application.

Additional requirements specific to this program

- GRE (optional)
- Resume/CV
- Personal Statement: This statement (1-2 pages) is one of the most critical parts of your application. This is your opportunity to tell us about your personal and professional goals, why you desire a graduate degree in this area, and anything else that provides the Graduate Committee with a glimpse of "who you are." Demonstrate to the Graduate Committee that your goals have been well thought out and that you understand what you are getting into. If you have job and/or volunteer experience that is relevant to your academic pursuits, be sure to provide details. It is helpful to highlight your strengths, although you should also address any weaknesses (such as poor grades or low GRE scores) and describe how that will affect your success as a graduate student. If you believe that extenuating circumstances have hindered your academic progress, describe them in enough detail to help the Graduate Committee judge your application.
- Faculty: Identify at least one (max 3) graduate faculty members with whom you are applying to work. Applicants must have faculty willing to accept them and serve as their faculty mentor. After submitting their application, applicants should start communicating with faculty mentors with shared research interests to learn about faculty research, how the applicant would fit into the lab and if assistantship funding is available. A strong applicant identifies a clear and well-defined interest within one of the Nutrition and Health Sciences disciplines. It is the applicant's responsibility to contact faculty with similar interests. Do not contact every faculty member with a general interest. Take the time and explore faculty profiles and read their published papers to see if what they do also sparks an interest.
- Assistantship: Admitted applicants who want to be considered for an assistantship may submit their application online at <https://cehs.unl.edu/nhs/assistantships-hourlypositions-fellowships/> (<https://cehs.unl.edu/nhs/graduate-student-resources/assistantships-hourly-positions-and-fellowships/>).

Admission Application Deadlines

- For financial consideration, apply by February 15 for Fall.

Requirements

Hours required: 90

Suggested courses

NUTR 820	Molecular Nutrition	3
NUTR 821	Molecular Nutrition Techniques	3
NUTR 845	Obesity Diseases and Human Health	3
NUTR 926	Carbohydrate and Lipid Nutrition	3
NUTR 950	Integrated Principles of Human Nutrition	3
NUTR 960	Nutrient Function During Exercise	3