

NUTRITIONAL SCIENCES

Dual-Titles

Dual-Title Ph.D. Degree in Nutritional Sciences and Clinical and Translational Sciences

Requirements listed here are in addition to requirements listed in GCAC-208 Dual-Title Graduate Degree Programs (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-208-dual-titles/>).

This dual-title degree program emphasizes interdisciplinary scholarship at the interface of basic sciences, clinical sciences, and human health. Students in the dual-title program are required to either have two advisers from separate disciplines: one individual serving as the primary adviser in the Graduate Program in Nutritional Sciences and another individual serving as the secondary adviser in an area covered by the dual-title program who is a member of the Clinical and Translational Sciences faculty; or if the student's adviser is a member of the Clinical and Translational Sciences faculty, s/he may fulfill both roles.

Doctoral students with research and educational interests in clinical and translational science may apply for the Dual-Title Ph.D. Degree in Nutritional Sciences and Clinical and Translational Sciences following admission to the Fox Graduate School and Nutritional Sciences and prior to taking the qualifying examination in Nutritional Sciences. An admissions committee comprised of faculty affiliated with the dual-title program will evaluate applicants. Applicants must have a graduate GPA of at least 3.5 in a research area related to human health. Prospective dual-title program students will write a statement of purpose that addresses the ways in which their research and professional goals will be enhanced by an interdisciplinary course of study in clinical and translational sciences.

Students must apply and be admitted to the graduate program in Nutritional Sciences and the Fox Graduate School before they can apply for admission to the dual-title degree program. After admission to their primary program, students must apply for admission to and meet the admissions requirements of the Clinical and Translational Sciences dual-title program. Refer to the Admission Requirements section of the Clinical and Translational Sciences Bulletin page (<https://bulletins.psu.edu/graduate/programs/majors/clinical-translational-sciences/>). Doctoral students must be admitted into the dual-title degree program in Clinical and Translational Sciences prior to taking the qualifying examination in their home department.

To qualify for the dual-title degree, students must satisfy the degree requirements for the Ph.D. in Nutritional Sciences. In addition, students pursuing the dual-title Ph.D. in Nutritional Sciences and Clinical and Translational Sciences must complete the degree requirements for the dual-title Ph.D. in Clinical and Translational Sciences, listed on the Clinical and Translational Sciences Bulletin page (<https://bulletins.psu.edu/graduate/programs/majors/clinical-translational-sciences/>). Approximately 12 credits of course work required for the CTS dual-title may also be counted as required elective courses for the Ph.D. in Nutritional Sciences.

The qualifying examination committee for the dual-title Ph.D. degree will be composed of Graduate Faculty from Nutritional Sciences and must include at least one Graduate Faculty member from the Clinical and Translational Sciences program. Faculty members who hold appointments in both programs' Graduate Faculty may serve in a

combined role. There will be a single qualifying examination, containing elements of both Nutritional Sciences and Clinical and Translational Sciences. Dual-title graduate degree students may require an additional semester to fulfill requirements for both areas of study and, therefore, the qualifying examination may be delayed one semester beyond the normal period allowable.

In addition to the general Graduate Council requirements for Ph.D. committees (<http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-600/phd-dissertation-committee-formation/>), the Ph.D. committee of a Nutritional Sciences and Clinical and Translational Sciences dual-title Ph.D. student must include at least one member of the Clinical and Translational Sciences Graduate Faculty. Faculty members who hold appointments in both programs' Graduate Faculty may serve in a combined role. If the chair of the Ph.D. committee is not also a member of the Graduate Faculty in Clinical and Translational Sciences, the member of the committee representing Clinical and Translational Sciences must be appointed as co-chair. The Clinical and Translational Sciences representative on the student's Ph.D. committee will develop questions for and participate in the evaluation of the comprehensive examination.

Students in the dual-title program are required to write and orally defend a dissertation on a topic that is approved in advance by their Ph.D. committee and reflects their original research and education in Nutritional Sciences and Clinical and Translational Sciences. Upon completion of the doctoral dissertation, the candidate must pass a final oral examination (the dissertation defense) to earn the Ph.D. degree. The dissertation must be accepted by the Ph.D. committee, the head of the graduate program, and the Fox Graduate School.

Dual-Title in Ph.D. in Nutritional Sciences and International Agriculture and Development

Requirements listed here are in addition to requirements listed in GCAC-208 Dual-Title Graduate Degree Programs (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-208-dual-titles/>).

This dual-title degree program emphasizes interdisciplinary scholarship at the intersection of nutritional sciences, global health, and international agriculture and development. The dual-title Ph.D. program provides students with additional training in global systems that affect world food systems and the multi-level influences on agriculture and development internationally. Students in the dual-title program are required to either have two advisers from separate disciplines: one individual serving as the primary adviser in the Graduate Program in Nutritional Sciences and another individual serving as the secondary adviser in an area covered by the dual-title program who is a member of the INTAD graduate faculty; or if the student's adviser is a member of the INTAD graduate faculty, they may fulfill both roles.

Graduate students with research and educational interests in international agriculture and development may apply to the International Agriculture and Development (INTAD) dual-title degree program. Students must apply and be admitted to the graduate program in Nutritional Sciences and the Fox Graduate School before they can apply for admission to the INTAD dual-title degree program. After admission to their primary program, students must apply for admission to and meet the admissions requirements of INTAD dual-title program. Refer to the Admission Requirements section of the INTAD Bulletin page. Doctoral students must be admitted into the dual-title degree program in INTAD prior to taking the qualifying examination in Nutritional Sciences.

To qualify for the INTAD dual-title degree, students must satisfy the requirements of the Nutritional Sciences Ph.D. program. In addition, they must satisfy the INTAD program requirements for the dual-title Ph.D. degree. Refer to the Ph.D. Degree Requirements section of the INTAD Bulletin page. Approximately 12 credits of course work required for the INTAD dual-title may also be counted as required elective courses for the Ph.D. in Nutritional Sciences.

The qualifying examination committee for the dual-title Ph.D. degree must include at least one Graduate Faculty member from the INTAD program. Faculty members who hold appointments in both programs' Graduate Faculty may serve in a combined role. It is preferred that students in the dual-title program take a single qualifying examination, containing elements of both Nutritional Sciences and INTAD. However, in cases when students matriculate into a dual-title after they have already completed the Nutritional Sciences qualifying exam, a second qualifying exam may be taken for the dual title, according to policy GCAC-604 and the guidelines of the dual-title degree program. Dual-title graduate degree students may require an additional semester to fulfill requirements for both areas of study and, therefore, the qualifying examination may be delayed one semester beyond the normal period allowable.

At the end of their course work, students must pass a comprehensive examination that follows the guidelines established by the Nutritional Sciences program and reflects both the Nutritional Sciences program and the INTAD dual-title degree curriculum.

International agriculture must be one of the key areas of the exam and the INTAD representative on the student's Ph.D. committee must have input into the development of and participate in the evaluation of the comprehensive examination.

Doctoral students enrolled in the dual-title degree program are required to write and orally defend a dissertation on a topic that reflects their original research and education in both

Nutritional Sciences and INTAD. The dissertation should contribute to the body of knowledge in international agriculture. A public oral presentation of the dissertation is required. The dissertation must be accepted by the Ph.D. committee, the head of the graduate program, and the Fox Graduate School, and the candidate must pass a final oral examination (the dissertation defense) to earn the Ph.D. degree.

Dual-Title Ph.D. Degree in Nutritional Sciences and Social and Behavioral Neuroscience

Requirements listed here are in addition to requirements listed in GCAC-208 Dual-Title Graduate Degree Programs (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-208-dual-titles/>).

This dual-title degree program emphasizes the study of how brain development and function influence, and are influenced by, social, environmental, and behavioral variables. The dual-title Ph.D. program provides students with additional training in an integrative neuroscience program in order to enable them to pursue innovative interdisciplinary research with intellectual sophistication. Students in the dual-title program are required to either have two advisers from separate disciplines: one individual serving as the primary adviser in the Graduate Program in Nutritional Sciences and another individual serving as the secondary adviser in an area covered by the dual-title program who is a member of the Social and Behavioral Neuroscience (SBN) faculty; or if

the student's adviser is a member of the SBN faculty, they may fulfill both roles.

Doctoral students with research and educational interests in social and behavioral neuroscience may apply for the Dual-Title Ph.D. Degree in Nutritional Sciences and Social and Behavioral Neuroscience following admission to the Fox Graduate School and Nutritional Sciences and prior to taking the qualifying examination in Nutritional Sciences. An admissions committee comprised of faculty affiliated with the dual-title program will evaluate applicants. Prospective dual-title program students will write a letter of application that addresses the ways in which their research and professional goals will be enhanced by an interdisciplinary course of study in social and behavioral neuroscience.

Students must apply and be admitted to the graduate program in Nutritional Sciences and the Fox Graduate School before they can apply for admission to the dual-title degree program. After admission to their primary program, students must apply for admission to and meet the admissions requirements of the Social and Behavioral Neuroscience dual-title program. Refer to the Admission Requirements section of the Social and Behavioral Neuroscience bulletin page. Doctoral students must be admitted into the dual-title degree program in Social and Behavioral Neuroscience prior to taking the qualifying examination in their home department.

To qualify for the dual-title degree, students must satisfy the degree requirements for the Ph.D. in Nutritional Sciences. In addition, students pursuing the dual-title Ph.D. in Nutritional Sciences and Social and Behavioral Neuroscience must complete the degree requirements for the dual-title Ph.D. in Social and Behavioral Neuroscience, listed on the Social and Behavioral Neuroscience bulletin page. Approximately 12 credits of course work required for the Social and Behavioral Neuroscience dual-title may also be counted as required elective courses for the Ph.D. in Nutritional Sciences.

The qualifying examination for the Nutritional Sciences Ph.D. program alone will satisfy the requirements for the dual-title program according to policy GCAC-604 and the guidelines of the dual-title degree program.

In addition to the general Graduate Council requirements for Ph.D. committees, the Ph.D. committee of a Nutritional Sciences and Social and Behavioral Neuroscience dual-title Ph.D. student must include at least one member of the Social and Behavioral Neuroscience Graduate Faculty. Faculty members who hold appointments in both programs' Graduate Faculty may serve in a combined role. If the chair of the Ph.D. committee is not also a member of the Graduate Faculty in Social and Behavioral Neuroscience, the member of the committee representing Social and Behavioral Neuroscience must be appointed as co-chair. The Social and Behavioral Neuroscience representative on the student's Ph.D. committee will develop questions for and participate in the evaluation of the comprehensive examination.

Students in the dual-title program are required to write and orally defend a dissertation on a topic that is approved in advance by their Ph.D. committee and reflects their original research and education in Nutritional Sciences and Social and Behavioral Neuroscience. Upon completion of the doctoral dissertation, the candidate must pass a final oral examination (the dissertation defense) to earn the Ph.D. degree. The dissertation must be accepted by the Ph.D. committee, the head of the graduate program, and the Fox Graduate School.