

FOOD SCIENCE AND TECHNOLOGY (PHD)

Graduate School

Program Website (<https://cals.cornell.edu/education/degrees-programs/graduate-field-food-sciences-technology/food-science-and-technology-doctor-philosophy/>)

CIP: 01.1001 | HEGIS: 0113.00 | NYSED: 17065

Graduate Field

Food Science and Technology (<https://catalog.cornell.edu/graduate-school/food-science-technology/>)

Program Description

Candidates for the Ph.D. degree select one major in the field and two minors outside the field. There are no general course credit requirements for the Ph.D. degree. Ph.D. degree candidates must make at least one research seminar presentation prior to graduation and are required to assist with the teaching program for at least one semester. In addition to the examinations required by the Graduate School, a qualifying examination is required of the Ph.D. degree candidates before the start of their second semester of residence.

Excellent opportunities for graduate study in both basic and applied research are available. All course work is done on the Ithaca campus, but students may conduct their research at the New York State Agricultural Experiment Station at Geneva as well as on the Ithaca campus.

Concentrations

- Food science

Program Information

- Instruction Mode: In Person
- Location: Ithaca, NY
- Minimum Credits for Degree: 96

Program Requirements

- Minimum Semesters for Degree: 6

Graduate School Milestones

- Responsible Conduct of Research Training: Required
- Open Researcher and Contributor ID (ORCID): Required
- Student Progress Reviews (SPR) begin: First Year
- Examination for admission to candidacy (A Exam): Before seventh semester begins
- Defense of Dissertation (B Exam): Typically fourth year

Field Specific Milestones

- Qualifying Examination (Q Exam): Before the start of the second semester
- Seminar Presentation
- One semester teaching assistantship required

Course Requirements

Additional course requirements may be set by the student's Special Committee. Program specific requirements that apply to all students are included below.

Year 1 (Fall)

- FDSC 6000 Seminar in Food Science
- FDSC 6010 Food Science and Technology Graduate Boot Camp
- FDSC 9900 Doctoral-Level Thesis Research

Year 1 (Spring)

- FDSC 6000 Seminar in Food Science
- FDSC 9900 Doctoral-Level Thesis Research

Year 2 (Fall)

- FDSC 6000 Seminar in Food Science
- FDSC 9900 Doctoral-Level Thesis Research

Year 2 (Spring)

- FDSC 6000 Seminar in Food Science
- FDSC 9900 Doctoral-Level Thesis Research

Year 3 (Fall)

- FDSC 6000 Seminar in Food Science
- FDSC 9900 Doctoral-Level Thesis Research

Year 3 (Spring)

- FDSC 6000 Seminar in Food Science
- FDSC 9900 Doctoral-Level Thesis Research

Year 4 (Fall)

- FDSC 6000 Seminar in Food Science
- FDSC 9900 Doctoral-Level Thesis Research

Year 4 (Spring)

- FDSC 6000 Seminar in Food Science
- FDSC 9900 Doctoral-Level Thesis Research

Other Courses

- FDSC 6950 Current Readings in Food Science (Two enrollments)

University Graduation Requirements Requirements for All Students

In order to receive a Cornell degree, a student must satisfy academic and non-academic requirements.

Academic Requirements

A student's college determines degree requirements such as residency, number of credits, distribution of credits, and grade averages. It is the student's responsibility to be aware of the specific major, degree, distribution, college, and graduation requirements for completing their chosen program of study. See the individual requirements listed by each college or school or contact the college registrar's office (<https://registrar.cornell.edu/service-resources/college-registrar-directory/>) for more information.

Non-academic Requirements

Conduct Matters. Students must satisfy any outstanding sanctions, penalties or remedies imposed or agreed to under the Student Code of Conduct (Code) or Policy 6.4. Where a formal complaint under the Code or Policy 6.4 is pending, the University will withhold awarding a degree otherwise earned until the adjudication process set forth in those procedures is complete, including the satisfaction of any sanctions, penalties or remedies imposed.

Financial Obligations. Outstanding financial obligations will not impact the awarding of a degree otherwise earned or a student's ability to access their official transcript. However, the University may withhold issuing a diploma until any outstanding financial obligations owing to the University are satisfied.

Learning Outcomes

- Conduct original, publishable research in the field.
- Demonstrate a broad knowledge of theory and research across several sub-disciplines in the field.
- Demonstrate in-depth knowledge of one area of expertise.
- Follow ethical guidelines for work in the field.
- Write and speak effectively to professional and lay audiences about issues in the field.
- For those entering teaching: grade and comment effectively on undergraduate student work, lead discussion and recitation effectively for undergraduates, demonstrate familiarity with the literature on learning and pedagogy, write a thoughtful teaching philosophy, and plan an effective undergraduate course in the field.