

Degree and Credit Requirements

Exit Degree Requirements

The Ph.D. requires a minimum of 36 credits beyond the M.S. level (or 66 credits minimum beyond the baccalaureate degree), with at least 24 credits of course work and 12 credits of dissertation research; those with only a Bachelor's degree will need additional coursework to meet the 66 credits minimum. Of the minimum 24 credits of course work, there are 9 credit hours of core courses and 15 credit hours of electives. Twelve credits of course work must be at the 600 level or above. Formal application for advancement to candidacy in the doctoral program requires successful completion of both the comprehensive examinations and an oral defense of the dissertation proposal. The Graduate Committee administers the comprehensive examinations, defense of the dissertation proposal, oversees the student's dissertation research, and administers the dissertation seminar and final dissertation defense (see the Graduate School's Established Procedures for Conduct of the Doctoral Dissertation Defense in this catalog).

Full-time students must be advanced to candidacy, i.e., taken and passed the comprehensive examinations and dissertation proposal defense no later than four years after matriculation. Part-time students follow the Graduate School's time limits for doctoral degrees (5 years to Advancement to Candidacy, 4 years to final dissertation submission).

Students should consult for further information, specifics and forms the booklet Guidelines for the Graduate Degree Programs in Food and Agricultural Sciences and Food Science & Technology; the Graduate School booklet on Guidelines for Graduate Student Academic Advisement, and the sections in the catalog on the Graduate School Requirements Applicable to the Ph.D. Degree, the Established Procedures for Conduct of the Doctoral Dissertation Defense, Minimum Registration Requirements, Minimum Registration Requirements for Doctoral Candidates and Dissertation Research.

Credit Requirements and Distribution

Core Requirements: (9)

- FDST 700 Seminar in Food Science and Technology (1)
- FDST 701 Seminar in Food Science and Technology (1)
- FDST 702 Seminar in Food Science and Technology (1)
- AGSC 605 Statistics in Agricultural Research (3)
- AGSC 691 Research Methodology in the Agricultural Sciences (3)

Dissertation: (12)

- FDST 899 Doctoral Dissertation Research* (1-12)

Electives: (Select 15 credits from the list below)

- AGRI 483 Recombinant DNA Technology (3)
- ANPT 622 Analytical Laboratory Methods (2)
- ANPT 611 Poultry Diseases and Hygiene (4)
- ANPT 614 Advanced Animal and Avian Physiology (4)
- ANPT 624 Animal & Avian Health and Diseases (4)
- ANPT 634 Advanced Animal and Avian Diseases (4)
- BIOL 601 Environmental Microbiology (4)
- CHEM 670 Advanced Biochemistry (3)
- CHEM 621 Advanced Environmental Chemistry (4)
- CSDP 604 Computer Methods in Statistics (3)
- CSDP 607 Applications of Linear Programming (3)
- CSDP 658 Computer Applications in Agriculture (3)

- ENVS 641 Environmental Toxicology (3)
- FDST 493 Food Chemistry* (3)
- FDST 680 Food Policy Regulations* (3)
- FDST 692 Advanced Food Microbiology* (3)
- FDST 801 Food Quality Assurance* (3)
- FDST 802 Advanced Food Toxicology* (3)
- FDST 805 Special Topics in Food Processing Technology* (1-4)
- NUDT 654 Nutritional Biochemistry (4)
- NUDT 670 Advanced Food Safety (3)

*Courses pending approval to be offered

Students not having a prior statistics course will be required to complete a prerequisite statistics course.

Students who have previously completed some core requirement courses will take different courses, or if eligible to transfer a research methods or statistics course will be advised and assisted by the major advisor in identifying an alternate course.