Food Science (FDSC)

Faculty
Jamie I. Baum, Assistant Professor
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Jean-Francois Meullenet, Professor, Food Sensory Science Professorship
Ruben O. Morawicki, Assistant Professor
Andy Proctor, University Professor
Steven C. Ricke, Professor, Donald "Buddy" Wray Chair in Food Safety
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Degree Conferred:
M.S., Ph.D. (FDSC)

Primary Areas of Faculty Research: Post-harvest technologies; food engineering; new value-added products and process development; methodology and assessment of quality attributes of raw and processed foods; food biochemistry; food microbiology; food processing and packaging; lipid, protein, and carbohydrate chemistry; food enzymology; functional foods; nutraceuticals; food safety; sensory analysis, human nutrition and chronic diseases.

Prerequisites to Master of Science Degree Program: The student must have a B.S. degree from an accredited institution with a grade-point average of no less than 3.00, a TOEFL score (for international students) of no less than 237 (computer)/580 (paper)/92 (Internet), no less than 4.5/6 on the TWE score of the TOEFL test, a GRE score (verbal + quantitative) of no less than 1,100 with a minimum of 400 (153, new GRE test) for the verbal, 600 (148, new GRE test) for the quantitative, and 4.0 for the writing test, suitable preparation in food science or related areas, and be acceptable to the department.

Requirements for the Master of Science Degree: A minimum of 24 semester hours of course work and 6 semester hours of thesis are required for the M.S. degree. Course deficiencies, if any, will be identified at the time of acceptance. At least 14 course credits of the 24 credits required must be from 5000-level or higher courses. In addition to coursework, the student will be required to conduct research and prepare an acceptable thesis. Upon admission to this program the candidate will be assigned to a dissertation director from the department head will select a graduate committee. This committee will assist with developing a suitable program for the candidate and will serve as the examination committee.

Prerequisites to Doctor of Philosophy Degree Program: Applicants for acceptance into the interdepartmental doctoral program in food science must meet all of the requirements for admission to the Graduate School and the Department of Food Science. Students with a research thesis M.S. degree in Food Science or related sciences from an accredited institution should have an M.S. GPA of no less than 3.5. Students with a B.S. will be considered for the Ph.D. program if their UGPA is no less than 3.65 and they have had research experience with publishable research results. All applicants to the Ph.D. program (B.S. and M.S.) should have a TOEFL score (for international students) of no less than 237 (computer)/580 (paper)/92 (Internet), no less than 4.5/6.0 on the TWE score of the TOEFL test, a GRE score (verbal + quantitative) of no less than 1,100 with a minimum of 500 (153, new GRE test) for the verbal, 600 (148, new GRE test) for the quantitative, and 4.0 for the writing test, suitable preparation for the food science graduate program, and be acceptable to the department.

Requirements for the Doctor of Philosophy Degree: Upon acceptance to this program, the student will be assigned to a dissertation director from the department representing the student’s selected area of concentration. The dissertation director in consultation with the student and with the department head will select at least two suitable graduate faculty members from outside the student’s own department to complete a committee of five members. The doctoral advisory committee chaired by the dissertation director will be responsible for supervision of the student’s program development, and will serve as the examination committee for candidacy and final examinations.

The student’s course work and dissertation topic will be supervised by the doctoral advisory committee. For students holding an M.S. degree in a science discipline and aside from deficiencies identified upon acceptance to the program, a minimum of 24 semester hours of course credit and a minimum of 18 semester hours of Ph.D. dissertation research credit will be required. Requirements include a minimum of 18 hours of 5000- and 6000-level courses. For students holding a B.S. degree and aside from deficiencies identified upon acceptance to the program, a minimum of 24 semester hours of course credit and a minimum of 18 semester hours of Ph.D. dissertation research credit will be required. Requirements include a minimum of 30 hours of 5000- and 6000-level courses and up to six hours from the Food Science core courses can be counted toward the 42 hours. The student must maintain a grade-point average of 3.00 or higher. General requirements pertaining to the declaration of intent, admission to candidacy and residency are in accordance with the requirements set forth by the Graduate School of the University of Arkansas.