



**M.S. DEGREE
IN
FOOD AND NUTRITION
MAJOR IN
NUTRITION AND FOOD SCIENCE (SPECIALIZATION IN FOOD SCIENCE)**

The major in **Nutrition and Food Science (specialization in Food Science)** includes both thesis and coursework-only options. It is expected that the student will show evidence of having competency in areas of food science, organic chemistry, biochemistry and microbiology or will treat these as deficiencies, rectifying them prior to studying related advanced courses. Students are required to earn three (3) graduate College of Health and Human Sciences credit hours prior to graduation by attendance in at least one summer semester and courses must count toward the degree.

CORE **14 CREDIT HOURS**

FOS 5424	Food Preservation (sp)	3
FOS 5936	Selected Topics in Food Science and Technology (sp)	3
FOS 5930	Seminar in Food and Nutrition Science (f, sp)	1
HUN 6248	Adv in Nutr & Food Sci: Food Microbiology (Lecture & Lab) (f)	4
HUN 5802 and HUN 5802L	Research Design and Methodology (f) Research Design and Methodology Laboratory (f)	2 1

DEPARTMENTAL ELECTIVES **minimum 6 CREDIT HOURS**

FOS 5205**	Food Safety and Quality	3
FOS 6351C	Physical and Chemical Techniques in Food and Nutrition	3
HUN 5242	Carbohydrates, Fats and Proteins	3
HUN 5243	Vitamins and Minerals	3
HUN 5297**	Eating Disorders, Body Image & Healthy Weight Maintenance	3
HUN 5938	Special Topics in Nutrition (topics vary)	3
HUN 5938	Special Topics in Nutrition: Microbiome and Nutrition	3
HUN 5906	Directed Individual Study (topics vary) (S/U)	1-3
HUN 5910	Supervised Research (S/U)	1-3
HUN 6940	Supervised Teaching (S/U)	1-3

OUTSIDE ELECTIVES **minimum 3 CREDIT HOURS**

BCH 5745	Chemical and Physical Characterization of Biopolymers	3
CHM 5140	Introduction to Chemical Instrumentation	3
CHM 5154	Chemical Separations	3
CHM 5440	Physical and Chemical Kinetics	3
CHM 5585	Experimental Methods in Physical Chemistry	3
ENC 5457	Writing in the Sciences	3
PCB 5525	Molecular Biology	3
PCB 5595	Advanced Molecular Biology	3

The above outside elective courses are suggested; however, the course requirement can be decided by the student's committee.

STATISTICS **minimum 4 CREDIT HOURS**

EDF 5400	Basic Descriptive and Inferential Statistics Applications	4
FAD 5700	Applied Research in Human Sciences	4

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THESIS OPTION		minimum 6 CREDIT HOURS
HUN 5971	Thesis (S/U)	6
HUN 8976	Master's Thesis Defense (P/F)	0

COURSEWORK-ONLY OPTION		minimum 6 CREDIT HOURS
HUN 8966	Master's Comprehensive Examination (P/F)*	0
Select graduate courses from the suggested departmental and/or outside electives above		6

Minimum requirement for both options: 33 credit hours

Please select electives with S/U grading carefully as the university requires thesis students to have a minimum of 18 letter-grade credit hours and coursework-only students to have a minimum of 21 letter-grade credit hours.

*For satisfactory completion of comprehensive exam, students must achieve a score of 70% or higher

** Course is co-listed with an undergraduate class. If you have already taken the co-listed undergraduate course, you will not be allowed to select the corresponding graduate course for the elective.