

Bachelor of Science in Food Science: Safety Emphasis

General Graduation Requirements

- First Year Writing Seminar 1/AP Writing Credit
- First Year Writing Seminar 2/AP Writing Credit
- Oral Expression (COMM 2010, ILRLR 3300 suggested)
- Statistics (AEM 2100, STSCI 2100, 2150, 2200, MATH 1710, PSYCH 3500 suggested)/AP Credit
- Human Diversity Course
- Humanities and Social Sciences/AP Credit (3 courses, 9 credits minimum required, across a minimum of 2 categories as determined by CALS)

Core Science Requirements

- Introductory Biology I*
- Introductory Biology II*
- BIOMI 2900: General Microbiology Lecture
- BIOMI 2910/2911: General Microbiology Laboratory
- BIOMG 3310: Biochemistry
- CHEM 2070: General Chemistry I
- CHEM 2080: General Chemistry II
- CHEM 3570: Organic Chemistry I
- CHEM 3580: Organic Chemistry II
- MATH 1110: Calculus I/AP Calculus Credit
- MATH 1120: Calculus II/AP Calculus Credit
- PHYS 1101/2207: Physics I/AP Physics Credit

Food Science Requirements

- FDSC 1101: Science and Technology of Foods
- FDSC 1102: Leadership & Career Skills in Food Science
- NS 1150: Nutrition and Health
- FDSC 2000: Intro. to Physiochemical and Biological Aspects of Food
- FDSC 2100: Food Analysis
- FDSC 3940: Applied & Food Microbiology
- FDSC 3950: Food Microbiology Laboratory
- FDSC 3960: Food Safety Assurance
- FDSC 4000: Capstone Project in Food Science
- FDSC 4100: Sensory Evaluation of Foods
- FDSC 4170: Food Chemistry I
- FDSC 4180: Food Chemistry II
- FDSC 4210: Food Engineering Principles
- FDSC 4250: Food Processing B: Unit Operations & Dairy Food Processing

Safety Emphasis-Specific Requirements

- NS 6110: Molecular Toxicology
- NS 3600: Epidemiology *or* PAM 3280: Fundamentals of Population Health
- CEE 5970: Risk Analysis and Management
- BIOMS 4040: Pathogenic Bacteriology
- BIOMS 4340: Cellular and Molecular Microbial Pathogenesis

**Introductory Biology classes can be any of the following: BIOG 1140, 1440, 1500, BIOEE 1610, 1780, BIOAP 1100, PLHRT 1115*

All required courses must be taken for a letter grade.