



Food Science and Fermentation, Minor

Program Details

Catalog Year: 2025-2026

College/School: [College of Agriculture, Life & Environmental Sciences/School of Nutritional Sciences & Wellness](#)

Advising: <https://snsw.arizona.edu/undergraduate/advising>

Program Description

The Food Science and Fermentation Minor explores the processing, regulation, health, safety, innovation, and marketing of consumer foods and beverages. Classes include delivery of foundational knowledge and hands-on applications through a range of faculty-mentored labs. Focal areas for learning include product development, nutritional analysis and food label development, design of experiments, sensory evaluation, microbiology, and the culinary exploration of novel foods. The minor can complement and reinforce a range of majors to provide a valuable window into the science and operational foundations of the food and beverages industry.

Curriculum Checklist

Core Requirements	Credit Hours
NSC 170C1: Nutrition, Food, and You	3
NSC 170C2: The Science of Fermentation – When Bad Food Turns Good	3
NSC 371R: Fermented Foods and Beverages Lecture	3
NSC 371L: Brewing and Food Fermentation Lab	1
Food Science (Complete 1 of the following courses)	
NSC 351R: Fundamentals of Food Science	3
NSC 353: Fundamentals of Food Science and Safety	3
Communication (Complete 1 of the following courses)	
ALC 422: Communicating Knowledge in Agriculture and the Life Sciences	3
NSC 260: Nutrition Communication and Scientific Literacy	3
Food Science and Fermentation Electives (Choose 3 units of electives from this list)	
MIC 430: Food Microbiology and Biotechnology	3
MIC 430L: Advanced Food Science and Microbiology Lab	2
NSC 351L: Food Studies Lab	1
NSC 376: Bioactive Compounds and Food Additives	3
NSC 392: Directed Research	1-3
NSC 393: Internship	1-3
NSC 399: Independent Study	1-3
PHYS 200: The Science of Good Cooking	3
RCSC 326: Product Development	3
RCSC 330: Food Retailing	3

Notes
Prerequisite courses may be needed in order to complete the requirements of this minor.
Minor Graduation Requirements
A minimum of 19 units are required in the minor
A minimum GPA of 2.0 is required in the minor coursework
A minimum of 9 upper division units are required in the minor