

DEPARTMENT OF FOOD SCIENCE

Major in Food Science

Check Sheet for Food Science (FDSC) Concentration

2025-2026

Name:

I.D. Number:

Advisor:

University Requirements: 1 hour¹

- ☐ UNIV 10051 University Perspectives

Communications: 12 hours

- ☐ ENGL 10103 English Composition I
☐ ENGL 10203 English Composition II

Choose 6 hours from Communication Intensive Course List:²

Check for completion	Course I. D.:	Course Name:
☐		
☐		

US History or Government: 3 hours

- ☐ HIST 20003 or HIST 20103 or PLSC 20003

Mathematics and Statistics: 6 hours

- ☐ MATH 11003 College Algebra
☐ MATH 21003 Principles of Statistics

Physical and Biological Sciences: 23-27 hours

- ☐ BIOL 10103 Principles of Biology **AND**
☐ BIOL 10101 Principles of Biology Lab
☐ BIOL 20003 General Microbiology **AND**
☐ BIOL 20001 General Microbiology Lab
☐ CHEM 14103 University Chemistry I **AND**
☐ CHEM 14101 University Chemistry I Lab
☐ CHEM 14203 University Chemistry II **AND**
☐ CHEM 14201 University Chemistry II Lab
☐ CHEM 26103 Organic Physiological Chemistry **AND**
☐ CHEM 26101 Organic Physiological Chemistry Lab **OR**
CHEM 36053 Organic Chemistry I **AND**
CHEM 36051 Organic Chemistry I Lab **AND**
CHEM 36203 Organic Chemistry II **AND**
CHEM 36201 Organic Chemistry II Lab
☐ CHEM 38103 Elements of Biochemistry

Fine Arts and Humanities: 6 hours

Choose 3 hours from Fine Arts and 3 hours from Humanities:²

Check for completion	Course I. D.:	Course Name:
☐		
☐		

Social Sciences: 9 hours

Choose 9 hours Social Science Core from at least two fields of study:^{2,3}

Check for completion	Course I. D.:	Course Name:
☐		
☐		
☐		

Food Science Major Core: 33 hours

- ☐ FDSC 11003 Introduction to Food Science
☐ FDSC 25203 Sanitation and Safety in Food Processing Operations
☐ FDSC 31003 Principles of Food Processing **AND**
☐ FDSC 31001 Principles of Food Processing Lab
☐ FDSC 32002 Introduction to Food Law
☐ FDSC 41103 Food Analysis **AND**
☐ FDSC 41101 Food Analysis Lab
☐ FDSC 41202 Food Microbiology **AND**
☐ FDSC 41201 Food Microbiology lab
☐ FDSC 43004 Food Chemistry
☐ FDSC 44103 Sensory Evaluation of Food
☐ FDSC 47103 Product Innovation for the Food Scientist
☐ FDSC 43101 Internship in Food Science
☐ FDSC 43201 Food Science Internship Assessment
☐ FDSC 34301 Pre-Internship Professional Development for Food Science

Select 1 hour from the Following:

- ☐ FDSC 10101 Exploring Topics in Food Science
☐ FDSC 22001 The Science of Chocolate
☐ FDSC 24001 Uncorked: Vines to Wines
☐ FDSC 27001 Food for Health
☐ FDSC 27401 Brewing Brilliance: Exploring the General Science of Fermented Beverages (Beer, Wine, Spirits)

Food Science Concentration: 21 hours

- ☐ FDSC 47504 Engineering Principles of Food Processing
☐ MATH 12003 Plane Trigonometry
☐ MATH 24004 Calculus I
☐ NUTR 12103 Fundamentals of Nutrition
☐ PHYS 20103 College Physics I **AND**
☐ PHYS 20101 College Physics I Lab

Choose 3 hours from General Electives:

Check for completion	Course I. D.:	Course Name:
☐		

General Electives: 3-7 hours

Check for completion	Course I. D.:	Course Name:
☐		
☐		
☐		
☐		
☐		
☐		
☐		

OTHER REQUIREMENTS FOR A B.S.A. DEGREE

120 Total Hours of which:

9 hours outside FDSC department but within Bumpers College

40 hours must be 30000/40000 level courses

Minimum GPA of 2.0

¹ UNIV 10051 is required for new freshmen or transfer with less than 24 hours

² See student degree audit for approved course list

³ If declaring AGBS-m or GBUS-m, see advisor for requirements. Students must declare chosen minor by contacting Bumpers College Student Services at afldsdean@uark.edu