

# DEPARTMENT OF FOOD SCIENCE

## Major in Food Science

### Check Sheet for Food Science (FDSC) Concentration

2026-2027

#### **University Requirements: 1 hour<sup>1</sup>**

- ☐ 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:<sup>2</sup>

| Check for completion     | Course I. D.: | Course Name: |
|--------------------------|---------------|--------------|
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |

#### **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:<sup>2</sup>

| Check for completion     | Course I. D.: | Course Name: |
|--------------------------|---------------|--------------|
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |

#### **Social Sciences: 9 hours**

Choose 9 hours Social Science Core from at least two fields of study:<sup>2,3</sup>

| Check for completion     | Course I. D.: | Course Name: |
|--------------------------|---------------|--------------|
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |

#### **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  
☐ FDSC 31001 Principles of Food Processing Lab  
☐ FDSC 32002 Introduction to Food Law  
☐ FDSC 41103 Food Analysis  
☐ FDSC 41101 Food Analysis Lab  
☐ FDSC 41202 Food Microbiology  
☐ 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 47503 Engineering Principles of Food Processing  
☐ MATH 12003 Plane Trigonometry  
☐ MATH 24004 Calculus I  
☐ NUTR 12103 Fundamentals of Nutrition  
☐ PHYS 20103 College Physics I  
☐ PHYS 20101 College Physics I Lab

Choose 4 hours from General Electives:

| Check for completion     | Course I. D.: | Course Name: |
|--------------------------|---------------|--------------|
| <input type="checkbox"/> |               |              |

#### **General Electives: 2-6 hours**

| Check for completion     | Course I. D.: | Course Name: |
|--------------------------|---------------|--------------|
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |
| <input type="checkbox"/> |               |              |

## 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

<sup>1</sup> UNIV 10051 is required for new freshmen or transfer with less than 24 hours

<sup>2</sup> See student degree audit for approved course list

<sup>3</sup> 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](mailto:afldsdean@uark.edu)