

Food Science

Department Information

- **Department Location:**
Harris Hall
- **Department Phone:**
701-231-8790
- **Department Web Site:**
www.ag.ndsu.edu/foodscience/
- **Degrees Offered:**
B.S.
- **Official Program Curriculum:**
bulletin.ndsu.edu/undergraduate/program-curriculum/food-science/

Food Science Major

The Food Science major is offered through the Department of Plant Sciences in the College of Agriculture, Food Systems, and Natural Resources. It is designed to prepare students for a career in the food industry, the “world’s largest industry,” which is responsible for feeding the world.

The program is structured to develop an understanding of the nature, properties, and characteristics of foods through foundation courses in biochemistry, chemistry, microbiology, physics, and other related sciences. Applications include the study of food safety, processing, preservation, sanitation, storage, and marketing of foods. The analysis and microbiological and biochemical characterization of food products are also studied. Additionally, elective courses in economics and business administration are available to students intending to enter a management career.

Note: Transfer credits in food science from other institutions must have grades of 'C' or better to be accepted for the food science program at NDSU. The Institute of Food Technologists (IFT) approves the curriculum in the food science program. Students majoring in food science, therefore, are eligible to compete for the prestigious IFT scholarships.

The program also provides the opportunity to gain industrial experience during undergraduate study by means of industry internships. Upon completion of the program, graduates will be able to recognize, critically analyze, and solve problems realistically in both industrial and academic environments.

Plan of Study

Please note this is a sample plan of study and not an official curriculum. Actual student schedules for each semester will vary depending on start year, education goals, applicable transfer credit, and course availability. Students are encouraged to work with their academic advisor on a regular basis to review degree progress and customize an individual plan of study.

Freshman			
Fall	Credits	Spring	Credits
AGRI 189	1	BIOL 150	3
CFS 210 or 200	2 or 3	CHEM 122 & 122L	4
CHEM 121 & 121L (Gen Ed Category S)	4	COMM 110 (Gen Ed Category C)	3
ENGL 110 (Gen Ed Category C)	4	ENGL 120 (Gen Ed Category C)	3
Gen Ed Humanities/Fine Arts (Gen Ed Category A)	3	MATH 146 or 165 (Gen Ed Category R)	4
14-15			17
Sophomore			
Fall	Credits	Spring	Credits
CFS 370	3	BIOC 260 (or BIOC 460/460L)	4
CSCI 114 or MIS 116 (Gen Ed Category S)	3	ECON 201 (Gen Ed Category B & G)	3
PHYS 211 & 211L (Gen Ed Category S)	4	HNES 250 (Gen Ed Category W)	3

Gen Ed Humanities/Fine Arts and Cultural Diversity (Gen Ed Category A and D)	3	Gen Ed Social and Behavioral Sci (Gen Ed Category B)	3
Elective	3	Elective	3
	16		16
Junior			
Fall	Credits	Spring	Credits
MICR 350 & 350L	5	STAT 330 (Gen Ed Category R)	3
ENGL 320, 321, or 324 (Gen Ed Category C)	3	CFS 470	3
CHEM 341 & 341L	4	CFS 471	1
		CFS 474	3
		CFS 452 or SAFE 452	3
		Elective	3
	12		16
Senior			
Fall	Credits	Spring	Credits
CFS 430 or ABEN 263	3	CFS 480	3
CFS 450	3	CFS 464	3
CFS 460	3	ANSC 340	3
CFS 461	1	Electives	4
MICR 453	3		
Elective	3		
	16		13

Total Credits: 120-121