

Food Science B.S.A., Food Science Concentration

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Nine-Semester Degree Program

Because the Food Science Concentration requires an internship one summer, students cannot enroll in an Eight-Semester Program. See the Eight-Semester Degree Policy (<http://catalog.uark.edu/undergraduatecatalog/academicregulations/eightsemesterdegreecompletionpolicy/>) for requirements of the eight-semester programs.

First Year	Units		
	Fall	Spring	Summer
UNIV 1001 University Perspectives	1		
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013) (Satisfies General Education Outcome 1.1)	3		
MATH 1203 College Algebra (ACTS Equivalency = MATH 1103) (Satisfies General Education Outcome 2.1)	3		
Satisfies General Education Outcome 3.4:			
BIOL 1543 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) & BIOL 1541L Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	4		
FDSC 1011 Exploring Topics in Food Science	1		
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023) (Satisfies General Education Outcome 1.1)		3	
MATH 1213 Plane Trigonometry (ACTS Equivalency = MATH 1203)		3	
Satisfies General Education Outcome 3.4:			
CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) & CHEM 1101L University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)		4	
FDSC 1103 Introduction to Food Science		3	
FDSC 2523 Sanitation and Safety in Food Processing Operations		3	
Year Total:	12	16	

Second Year	Units		
	Fall	Spring	Summer
STAT 2303 Principles of Statistics (ACTS Equivalency = MATH 2103)	3		
CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) & CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)	4		
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture) & PHYS 2011L College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)	4		
NUTR 1213 Fundamentals of Nutrition	3		
General Elective	1		
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405)			4
BIOL 2013 General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) & BIOL 2011L General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)			4
CHEM 2613 Organic Physiological Chemistry (ACTS Equivalency = CHEM 1224 Lecture) & CHEM 2611L Organic Physiological Chemistry Laboratory (ACTS Equivalency = CHEM 1224 Lab)			4
General Elective ⁶			3
Year Total:	15	15	

Third Year	Units		
	Fall	Spring	Summer
CHEM 3813 Elements of Biochemistry	3		
FDSC 3103 Principles of Food Processing	3		
FDSC 4304 Food Chemistry	4		
State Minimum Core in Fine Arts; Humanities; Social Science; or U.S. History or Government ^{1, 2, 3, 4}	3		
State Minimum Core in Fine Arts; Humanities; Social Science; or U.S. History or Government ^{1, 2, 3, 4}	3		
FDSC 3202 Introduction to Food Law		2	
FDSC 4113 Food Analysis & FDSC 4111L Food Analysis Lab		4	
State Minimum Core in Fine Arts; Humanities; Social Science; or U.S. History or Government ^{1, 2, 3, 4}		3	
State Minimum Core in Fine Arts; Humanities; Social Science; or U.S. History or Government ^{1, 2, 3, 4}		3	
General Elective (odd years) ⁶		3	
FDSC 431V Internship in Food Science			3
Year Total:	16	15	3

Fourth Year	Units		
	Fall	Spring	Summer
FDSC 4122 Food Microbiology & FDSC 4121L Food Microbiology Lab	3		
FDSC 4413 Sensory Evaluation of Food Communication Intensive Course ⁵	3		
State Minimum Core in Fine Arts; Humanities; Social Science; or U.S. History or Government ^{1, 2, 3, 4}	3		
General Elective ⁶	3		
FDSC 4713 Product Innovation for the Food Scientist (Satisfies General Education Outcome 6.1)		3	
FDSC 4754 Engineering Principles of Food Processing (even years)		4	
Communication Intensive Course ⁵		3	
State Minimum Core in Fine Arts; Humanities; Social Science; or U.S. History or Government ^{1, 2, 3, 4}		3	
Year Total:	15	13	
Total Units in Sequence:			120

¹ The Fine Arts Elective courses which satisfy General Education Outcome 3.1 include: ARCH 1003, ARHS 1003, COMM 1003, DANC 1003, LARC 1003, MLIT 1003, MLIT 1003H, MLIT 1013, MLIT 1013H, MLIT 1333, THTR 1003, THTR 1013, or THTR 1013H.

² The Humanities Elective courses which satisfy General Education Outcomes 3.2 and 5.1 include: CLST 1003, CLST 1003H, CLST 1013, HUMN 1124H, PHIL 2003, PHIL 2003C, PHIL 2003H, PHIL 2103, or PHIL 2103C.

³ One Social Science Elective should be selected from the following list of courses in order to satisfy General Education Outcomes 3.3 and 4.1: ANTH 1023, COMM 1023, HDFS 1403, HDFS 2413, HIST 1113, HIST 1113H, HIST 1123, HIST 1123H, HIST 2093, HUMN 1114H, HUMN 2114H, INST 2013, INST 2813, INST 2813H, PLSC 2013, PLSC 2813, PLSC 2813H, RESM 2853, SOCI 2013, SOCI 2013H, or SOCI 2033.

⁴ The U.S. History or Government Elective courses which satisfy General Education Outcome 4.2 include: HIST 2003, HIST 2013, or PLSC 2003.

⁵ Recommend ACOM 3143, AGED 4003 or COMM 1313 to satisfy General Education Outcome 1.2. See academic adviser for complete list of Communication Intensive courses.

⁶ Students must complete 40 hours of upper division courses (3000-4000 level). It is recommended that students consult with the academic adviser when making course selections.