

Dale Bumpers College of Agricultural, Food & Life Sciences
NINE-SEMESTER DEGREE COMPLETION PROGRAM
B.S.A. – Food Science (FDSC)
2019-2020

FDSC Requirements: 6-12 hours Communication; 3 hours History; 13 hours Mathematics and Statistics; 27-31 hours Science; 6 hours Fine Arts/Humanities; 9 hours Social Sciences; 1 hour University Perspectives; 26 hours departmental core; 10 hours FDSC concentration core; 9-19 hours electives

Bold – Course meets University Core. Pre-requisites, co-requisites, or recommended courses are in parentheses.

Fall Semester Year 1	
Course	Hours
ENGL 1013 Composition I unless exempt	3
MATH 1203 College Algebra	3
BIOL 1543/1541L Principles of Biology	4
UNIV 1001 University Perspectives	1
FDSC 1011 Exploring Topics in Food Science	1
Fine Arts/Humanities OR Social Science OR History Core Elective	3
Total Semester Hours	15

Spring Semester Year 1	
Course	Hours
ENGL 1023 Comp II (Pre-ENGL 1013) unless exempt	3
MATH 1213 Plane Trigonometry (Pre-MATH 1203 or MATH 1204 with a grade of C or better)	3
CHEM 1103/1101L University Chemistry I (Pre-MATH 1203)	4
FDSC 1103 Introduction to Food Science	3
Fine Arts/Humanities OR Social Science OR History Core Elective	3
Total Semester Hours	16

Fall Semester Year 2	
Course	Hours
MATH 2554 Calculus I (Pre-MATH 1213 with grade of C or better)	4
CHEM 1123/1121L University Chemistry II (Pre-CHEM 1103)	4
NUTR 1213 Fundamentals of Nutrition	3
General Elective (FDSC 2603 Science in the Kitchen recommended)	3
Total Semester Hours	14

Spring Semester Year 2	
Course	Hours
Communication Intensive Elective (from approved list)	3
CHEM 2613/2611L Organic Physiological Chemistry (Pre-CHEM 1123/1121L)	4
BIOL 2013/2011L General Microbiology (Pre-BIOL 1543/1541L and CHEM 1103 or CHEM 1123/1121L)	4
Fine Arts/Humanities OR Social Science OR History Core Elective	3
General Elective (FDSC 2701 Food for Health recommended)	1
Total Semester Hours	15

Fall Semester Year 3	
Course	Hours
Statistics Elective – choose from STAT 2303 (Pre-MATH 1203 or MATH 1204 with a C or better), STAT 2023 (Pre-MATH 2554) OR AGST 4023 (Pre-MATH 1203 or higher)	3
PHYS 2013/2011L College Physics I (Pre-MATH 1213)	4
FDSC 4122/4121L Food Microbiology (Pre-BIOL 2013/ 2011L or BIOL 2533)	3
FDSC 4304 Food Chemistry (Pre-CHEM 2613/2611L or CHEM 3603/3601L)	4
Total Semester Hours	14

Spring Semester Year 3	
Course	Hours
Communication Intensive Elective (from approved list)	3
FDSC 3202 Introduction to Food Law	2
FDSC 4113/4111L Food Analysis (Pre-FDSC 4304 and CHEM 2613/2611L or CHEM 3603/3601L)	4
FDSC 4754 Engineering Principles of Food Processing (Pre-PHYS 2013/2011L and MATH 1213)	4
Fine Arts/Humanities OR Social Science OR History Core Elective	3
Total Semester Hours	16

Summer Year 3	
Course	Hours
FDSC 431V Internship in Food Science (Pre-junior standing)	3

Fall Semester Year 4	
Course	Hours
FDSC 3103 Principles of Food Processing (Pre-CHEM 1123/1121L and MATH 2043 or MATH 2554)	3
FDSC 4413 Sensory Evaluation of Food (Pre-Statistics)	3
Fine Arts/Humanities OR Social Science OR History Core Elective	3
General Elective	6
Total Semester Hours	15

Spring Semester Year 4	
Course	Hours
FDSC 4713 Product Innovation for the Food Scientist (Pre-FDSC 4304, FDSC 3103, FDSC 4413, Pre or Co-FDSC 4113/4111L)	3
Fine Arts/Humanities OR Social Science OR History Core Elective	3
CHEM 3813 Elements of Biochemistry (Pre-CHEM 2613/2611L or CHEM 3613/3611L)	3
General Elective	3
Total Semester Hours	12
TOTAL HOURS	120