

**FOOD SCIENCE AND INDUSTRY: SCIENCE OPTION
SUGGESTED COURSE SEQUENCE**

	Course	Hours	Prerequisites (Notes)
<u>Freshman</u>			
Food Science Orientation	FDSCI 101	1	
Expository Writing I	ENGL 100	3	
College Algebra	MATH 100	3	
Chemistry I	CHM 210	4	HS Chemistry, MATH 100 (or HS Algebra)
Introduction to Food Science	FDSCI 302	3	
Basic Nutrition	FNDH 132	3	(or ASI 318)
Public Speaking	COMM 105/106	2-3	
Principles of Biology	BIOL 198	3	
Macroeconomics	ECON 110	3	
Physics	PHYS 113/115	4-5	
<i>Social Science/Humanities</i>		3	<i>*Need 9 hours</i>
<u>Sophomore</u>			
Career Prep	FDSCI 310	1	Sophomore standing only
Expository Writing II	ENGL 200	3	ENGL 100
Anal Geometry & Calc I	MATH 220	3	MATH 100 (B or higher)
Statistics I	STAT 325/340/350	3	MATH 100
Chemistry II	CHM 230	4	CHM 210
Fund. Food Processing		3	A chemistry course
Organic Chemistry	CHM 350	3	CHM 230
Organic Chemistry Lab	CHM 351	2	CHM 350 or concurrent enrollment
Microbiology	BIOL 455	3	Chemistry course, BIOL 198
Process Calc/Food Prod	GRSC 540	3	MATH 205/220, Rec PHYS and CHEM
Process Calc/Fd Prod Lab	GRSC 541	1	GRSC 540 or concurrent enrollment
<u>Junior/Senior</u>			
Food Microbiology	FDSCI 600	2	BIOL 455
Food Microbiology Lab	FDSCI 601	2	FDSCI 600 or concurrent enrollment
Principles of HACCP & HARPC	FDSCI 690	3	Chemistry course, BIOL 198
Food Chemistry	FDSCI 501	3	Recommend Organic Chem and Biochem
Statistics II	STAT 341/351	3	Statistics I
Biochemistry	BIOCH 521	3	CHM 350
Biochemistry Lab	BIOCH 522	2	CHM 351 and BIOCH 521 or concurrent
2 nd Communication Course		3	
<u>Senior</u>			
Food Science Seminar	FDSCI 500	1	
Chem Mthd Food Analysis	FDSCI 727	2	Recommend FDSCI 501
Phys Mthd Food Analysis	FDSCI 728	2	Recommend FDSCI 501
R&D Food Prod Dev	FDSCI 740	4	Recommend FDSCI 501
or			
QA of Food Products	FDSCI 695	3	Microbiology
<i>Social Science/Humanities</i>			<i>*Need 9 hours</i>
<i>Processing Electives</i>			<i>*Need 8 hours</i>
<i>Professional Electives</i>			<i>*Need 20 hours of processing + professional electives</i>

**126 HOURS NEEDED FOR GRADUATION & Must Meet K-State 8 Requirements
2018**