

**FOOD SCIENCE & INDUSTRY  
SCIENCE OPTION  
SUGGESTED COURSE SEQUENCE**

	<u>Course</u>	<u>Hours</u>	<u>Prerequisites (Notes)</u>
<b><u>Freshman</u></b>			
(F) 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	
Public Speaking	COMM 105	2	(or COMM 106)
Basic Nutrition	HN 132	3	(or ASI 318)
Principles of Biology	BIOL 198	3	
Macroeconomics	ECON 110	3	
Social Science/Humanities		3	*Need 9 hours
<b><u>Sophomore</u></b>			
(S) Fundamentals Food Proc.	FDSCI 305	3	Chemistry Course
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
Organic Chemistry	CHM 350	3	CHM 230
Organic Chemistry Lab	CHM 351	2	CHM 350 or concurrent enrollment
Physics	PHYS 113	4	(or PHYS 115)
Microbiology	BIOL 455	3	Chemistry Course, BIOL 198
Social Science/Humanities			*Need 9 hours
Processing Electives			*Need 8 hours
Professional Electives			*Need 20 hrs of Proc. + Prof. Electives
<b><u>Junior/Senior</u></b>			
(F,S) Food Microbiology	FDSCI 600	2	BIOL 455
(F) Food Microbiology Lab	FDSCI 601	2	FDSCI 600 or concurrent enrollment
(F) Principles of HACCP	FDSCI 690	2	Chemistry Course, BIOL 198
(S) Food Chemistry	FDSCI 501	3	Recommend Organic Chem and Biochem
(S) Eng App Grn/Food Prod	GRSC 540	3	MATH 205/220, Rec PHYS and CHEM
(S) Eng App Grn/Fd Prod Lb	GRSC 541	1	GRSC 540 or concurrent enrollment
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 <sup>nd</sup> Communication Course		3	
Social Science/Humanities			*Need 9 hours
Processing Electives			*Need 8 hours
Professional Electives			*Need 20 hrs of Proc. + Prof. Electives
<b><u>Senior</u></b>			
(F,S) Food Science Seminar	FDSCI 500	1	
(S) Chem Mthd Food Anal	FDSCI 727	2	Recommend FDSCI 501
(S) Physical Mthd Food Anal	FDSCI 728	2	Recommend FDSCI 501
(F) R&D Food Prod Dev	FDSCI 740	4	FDSCI 501 (or FDSCI 695)

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