

SUGGESTED CURRICULUM FOR UNDERGRADUATE FOOD SCIENCE MAJORS

Concentration in Food Safety

Freshman Year

Fall Semester		Spring Semester	
MATH 104 Algebra, Analytic Geometry & Trigonometry***	3	CHEM 111 General Chemistry for Sci & Eng Majors	4
ENGL WP 112 College Writing	3	◆ BIOL 110 Intro Animal Biology for Non-Biol Sci Majors	4
Comp Sci 105 Computer Literacy	3	◆ FD SCI 103 Introduction for the Future Food Scientist	4
GEN ED Requirement	4	RES EC 102 Intro to Resource Economics (SB, Suggested)	3
		GEN ED Requirement	4

***If you get a score of 20 or greater on Math Placement Exam, you do not need to take this course and CHEM 111 can be taken fall semester

Sophomore Year

Fall Semester		Spring Semester	
CHEM 112 General Chemistry for Sci & Eng Majors	4	◆ ENV SCI 315 Principal Env Toxicology & Chemistry	3
◆ RES EC 121 Hunger in a Global Economy (SBG)	3	◆ CHEM 250 Organic Chemistry	3
◆ FD SCI 265 Survey of Food Science	3	RES EC 212 Intro Statistics for the Social Sciences <u>or</u> STAT 240 Intro to Statistics	3
◆ FD SCI 266 Survey of Food Science Lab	1	GEN ED Requirement ¹	4
◆ FD SCI 270 Biology of Food in Human Health	3	General Elective	3

Junior Year

Fall Semester		Spring Semester	
◆ PHYSIC 131 Intro Physics	4	FD SCI 466 Nutritional Microbiology Or Microbio 310/265	4
BIOCHEM 420 Elementary Biochemistry	3	◆ FD SCI 575 Elements of Food Process Engineering	4
◆ BIOCHEM 421 Elementary Biochem Lab (optional)	2	◆ FD SCI 541 Food Chemistry	3
◆ FD SCI 480 Junior Writing ¹	3	FD SCI 391R Undergraduate Research ³	1
◆ FD SCI 391B Product Development Seminar ²	1	PROGRAM Elective	3-4
GEN ED Requirement	4	General Elective	3

Senior Year

Fall Semester		Spring Semester	
◆ FD SCI 542 Food Chemistry 2	3	◆ FD SCI 580 Food-Borne Diseases	3
◆ FD SCI 544 Food Chemistry Lab	1	◆ FD SCI 561 Food Processing	3
◆ FD SCI 567 Food Microbiology	3	◆ FD SCI 563 Processing Laboratory (IE Gen Ed)	2
◆ FD SCI 566 Food Microbiology Lab	2	◆ FD SCI 581 Analysis of Food Products	3
PROGRAM Elective	3	◆ FD SCI 583 Food Analysis Laboratory	1
		PROGRAM Elective	3-4

¹Fd Sci 480 may be taken fall of junior or senior year

²Fd Sci 391B not required for graduation, but is strongly recommended for students on *product development teams*. Can be taken any fall semester.

³Fd Sci 391R not required for graduation, but is strongly recommended for students participating in *undergraduate research independent study*. Can be taken anytime.

Program Elective (Choose 3)	Semester	Credits
KIN 110 Human Performance & Nutrition Or Kin 100 Intro to Kinesiology	Both	3
PLSOILIN 120 Organic Farming and Gardening	Both	4
PLSOILIN 185 Sustainable Living	Spring	4
POL SCI 382 Environmental Policy	Spring	3
PUBHTH 540 Intro to Biostatistics for Public Health	Fall	3
PUBHL 303 Introduction to Environmental Health Practices	Fall	3

KEY: ◆ Generally only offered the semester listed