

SUGGESTED CURRICULUM FOR UNDERGRADUATE FOOD SCIENCE MAJORS
Concentration in Food Science and Technology/Pre-Graduate School

Freshman Year

Fall Semester

CHEM 111 General Chemistry for Sci & Eng Majors****	4
MATH 127 Calculus for the Life & Social Sci I****	3
ENGL WP 112 College Writing	3
COMP SCI 105 Computer Literacy	3
GEN ED Requirement	4

Spring Semester

CHEM 112 General Chemistry for Sci & Eng Majors	4
MATH 128 Calculus for the Life & Social Sci II	3
◆ FD SCI 103 Introduction for the Future Food Scientist	4
◆ BIOL 110 Intro Animal Biology for Non-Biol Sci Majors	4

***Chem 111 and Math 127 require Math 104 or a score of 20 on the Math Placement exam. If needed, take Math104 and take Chem 111 Spring semester

Sophomore Year

Fall Semester

PHYSICS 131 Intro Physics I w/Lab	4
CHEM 261 Organic Chemistry I for Non-Majors	3
◆ FD SCI 265 Survey of Food Science	3
◆ FD SCI 266 Survey of Food Science Lab	1
◆ RES EC 121 Hunger in the Global Economy (SBG, suggested)	4

Spring Semester

PHYSICS 132 Intro Physics II w/Lab	4
CHEM 262 Organic Chemistry II for Non-Majors	3
CHEM 269 Organic Lab for Non-Major (may be taken another semester)	2
GEN ED Requirement	4

Junior Year

Fall Semester

◆ FD SCI 270 Biology in Food in Human Health or NUTR 230 Basic Nutrition	3
BIOCHEM 420 Elementary Biochemistry	3
◆ BIOCHEM 421 Biochemistry Lab	2
RES EC 102 Intro to Resource Economics (SB, suggested)	4
◆ FD SCI 391R Product Development Seminar ¹	1
Elective	3

Spring Semester

◆ FD SCI 575 Elements of Food Process Engineering	4
FD SCI 466 Nutritional Microbiology Or Microbiol 310/265 General Microbiology	4
◆ RES EC 212 Intro Statistics for the Social Sciences or STATS 240 Introduction to Statistics	3
◆ Fd Sci 541 Food Chemistry	3
FD SCI 391R Undergraduate Research ²	1

Senior Year

Fall Semester

◆ FD SCI 542 Food Chemistry 2	3
◆ FD SCI 544 Food Chemistry Lab	1
◆ FD SCI 567 Food Microbiology	3
◆ FD SCI 566 Food Microbiology Lab	2
◆ FD SCI 480 Junior Writing ³	3

Spring Semester

◆ FD SCI 561 Food Processing	3
◆ FD SCI 563 Processing Laboratory (IE Gen Ed)	2
◆ FD SCI 581 Analysis of Food Products	3
◆ FD SCI 583 Food Analysis Laboratory	1
◆ FD SCI 580 Food Borne Diseases (Optional)	3
General Elective	3

¹Fd Sci 391B not required but is strongly recommended for students on *product development teams*. Can be taken any fall semester.

²Fd Sci 391R not required but is strongly recommended for students participating in *undergraduate research independent study*. Can be taken anytime.

³Fd Sci 480 may be taken fall of junior or senior year

KEY: ◆ Generally only offered the semester listed.