

FOOD SCIENCE
B.S.-Agricultural Engineering (ALE 036)
Double Major in Food Science (ANS 436) (See t)
Four Year Road Map

This Road Map is a tool to assist you and your advisor in planning your academic career. Use it along with the Curriculum Sheet for your major, your DARS report, and the Timetable. Your specific program of study could, and probably will, look different. You need to customize the Road Map to fit your situation, and consult with your advisor about the best path for you.

Fall Semester

Spring Semester

Year I

	Credits		Credits
Math 221 (Calculus and Analytic Geometry)	5	Math 222 (Calculus and Analytic Geometry)	5
Chem 103 (General Chemistry)	4	Chem 104 (General Chemistry)	5
Bot/Zool 151 (Introductory Biol.) (See *)	5	Bot/Zool 152 (Introductory Biol.) (See *)	5
EPD 155 (Basic Communication) (See I.C)	2	Bact 101 or 303 (General Microbiology)	3
	16		18

Year 2

	Credits		Credits
Math 234 (Calculus-Functions of Several Var)	3	Social Science/Intl. Studies (See LEA, I.H.)	3
Chem 341 (Introductory Organic Chemistry)	3	Physics 202 (General Physics)	5
Chem 342 (Organic Chemistry Lab)	1	Biochem 501 (Introduction to Biochem)	3
Physics 201 (General Physics)	5	ChE 250 (Process Synthesis)	3
BSE 249 (Engr. Principles for Biological Systems)	3	Econ 101 (Prin. Microeconomics)	3
Ethnic Studies (See I.E.2)	3		17
	18		

Year 3

	Credits		Credits
ChE 211 (Chem. Proc. Thermodynamics)	3	Stat 224 (Introductory Stats for Engrs)	3
BSE 364 (Engr. Prop. of Food and Biol. Matls.)	3	BSE 365 (Meas. and Instrum. for Biol. Sys.)	3
Food Sci 310 (Analysis of Food Products)	4	Food Sci 410 (Food Chemistry 1)	3
Humanities	3	ChE 320 (Intro Transport Phenomena)	4
EPD 397 (Technical Communication)	3	Humanities	4
	16		17

Year 4

	Credits		Credits
BSE 501 (Fund. of Biol. and Agric. Engr. Design)	2	BSE 502 (Biol & Ag. Engr. Design Lab.)	2
Ch E 326 (Momentum Heat Trans. Oper.)	3	Technical Elective	3
Technical Elective	3	Technical Elective	3
Technical Elective	3	Food Sci 532 (Food Processing 11)	3
Technical Elective	3	Food Sci 542 (Food Engr Operations)	4
Food Sci 325 (Food Bacteriology)	3	IE 313 (Engr. Econ. Analysis)	3
	17		18

Notes:

t Choosing not to also pursue the B.S. -Agricultural Engineering degree results in having to complete ALL the requirements of the B.S.-Natural Science degree with a major in Food Science only.

* Need 137 credits to complete.

* Select either Bot/Zool 151 and 152 or Bot 130 and Zool 101 and 102.

