

College of Agriculture and Life Sciences, Department of Food Science and Technology
Bachelors of Science in Food Science and Technology, Science Option
For Students Graduating in Calendar Year 2021

CURRICULUM FOR LIBERAL EDUCATION

Area 1. Writing and Discourse

ENGL 1105, 1106 Freshman English 3 ____ 3 ____

Area 2. Ideas, Cultural Traditions and Values

____ 3 ____
____ 3 ____

Area 3. Society and Human Behavior

AAEC 1005, 1006 Economics of Food & Fiber 3 ____ 3 ____

OR

ECON 2005, 2006 Principles of Economics 3 ____ 3 ____

Area 4. Scientific Reasoning and Discovery

CHEM 1035, 1036 General Chemistry 3 ____ 3 ____

CHEM 1045, 1046 General Chemistry Lab 1 ____ 1 ____

Area 5. Quantitative and Symbolic Reasoning

MATH 1025, 1026¹ ElemCalculus 3 ____ 3 ____

Area 6. Creativity and Aesthetic Experience

1 ____

Area 7. Critical Issues in a Global Context

3 ____

Liberal Education Requirements

39 Credit Hours

Foreign Language Requirement ____

A sequence of 2 foreign languages courses is required for graduation unless 2 high school credits of the same foreign language or 6 transfer credits of foreign language have been earned. These credits do not count toward graduation.

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY CURRICULUM

ALS 1234	CALS First Year Seminar	1 ____	
BCHM 2024	Concepts of Biochemistry	3 ____	
BIOL 1105, 1106	Principles of Biology	3 ____	3 ____
BIOL 1115, 1116	Principles of Biology Lab	1 ____	1 ____
BIOL 2604, 2614	General Microbiology	3 ____	1 ____
COMM 2004	Public Speaking	3 ____	
ENGL 3764	Technical Writing	3 ____	
FST 3514	Food Analysis	4 ____	
FST 3604	Food Microbiology	4 ____	
FST 4014	Food Product Development	3 ____	
FST 4304	Food Processing	4 ____	
FST 4504, 4534	Food Chemistry, Lab	3 ____	1 ____
FST 4524	Food Safety & Quality Assurance	3 ____	

Food Science and Technology

44 Credit Hours

SCIENCE OPTION

CHEM 2535, 2536	Organic Chemistry	3	3
CHEM 2545, 2546	Organic Chemistry Lab	1	1
FST 3024	Principles of Sensory Evaluation	3	
HNFE 1004	Food, Nutrition and Exercise	3	
PHYS 2205	General Physics	3	
STAT 3615	Biological Statistics	3	

Choose 8 hours Restricted Electives from:

BIOL 4674	Pathogenic Bacteriology	4
BIOL 4704	Immunology	3
CHEM 4554	Drug Chemistry	3
FST 2014	Introduction to Food Science	2
FST 2044	Food, War and Conflict	3
FST 2544	Functional Foods for Health	3
FST 3114	Wines and Vines	3
FST 3124	Brewing Science and Technology	3
FST 3214	Meat Science	4
FST 4104	Applied Malting and Brewing	3
FST 4634	Epidemiology of Foodborne Disease	3
FST 4974	Independent Study	*
FST 4994	Undergraduate Research	*
HNFE 3024	Science of Food Prep and Selection	2
MGT 3304	Management Theory & Lead Practice	3
MKTG 3104	Marketing Management	3

¹ Not required for students completing Math 1525-1526 or Math 1205-1206 instead of Math 1014-1025

* Credits vary depending on course

Science Option Requirements		28 Credit Hours
<u>FREE ELECTIVES</u>		
_____	_____	() _____
_____	_____	() _____
_____	_____	() _____
_____	_____	() _____
_____	_____	() _____
Free Elective Requirements		12 Credit Hours

THIS CHECK SHEET CONTAINS NO HIDDEN PREREQUISITES

ELIGIBILITY FOR CONTINUED ENROLLMENT:

1. After having attempted 36 semester credits (including transfer, advanced placement, advanced standing, credit by examination, and freshman rule hours), students must have passed at least 12 semester credits

- of Curriculum for Liberal Education requirements.
2. After having attempted 72 semester credits (including transfer, advanced placement, advanced standing, credit by examination, and freshman rule hours), students must:
 - a) have passed at least 24 semester credits of Curriculum for Liberal Education requirements.
 - b) have passed 9 semester credits in the Food Science and Technology requirements.
 - c) have passed 9 semester credits in the Science Option requirements.

GRADUATION REQUIREMENTS:

1. A minimum of 120 credit hours are required for graduation
2. A minimum 2.0 overall GPA is required for graduation.
3. A minimum 2.0 in-major GPA is required for graduation (only FST courses will be used for in-major GPA calculation).