

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 2016

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 1015, 1016 Elem Calculus with Trig I 3 ___ 3 ___

OR

MATH 1525, 1526 Elem Calculus with Matrices 3 ___ 3 ___

OR

MATH 1205, 1206 Calculus 3 ___ 3 ___

Area 6. Creativity and Aesthetic Experience

1 ___

Area 7. Critical Issues in a Global Context

3 ___

Liberal Education Requirements 36 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

BCHM 2024 Concepts of Biochemistry 3 ___

OR

BCHM 3115 Biochemistry for Biotech 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 4014 Food Product Development 3 ___

FST 4405, 4406 Food Processing 4 ___ 2 ___

FST 4504, 4534 Food Chemistry, Lab 3 ___ 1 ___

FST 4514 Food Analysis 4 ___

FST 4524 Food Quality Assurance 3 ___

FST 4604 Food Microbiology 4 ___

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 4024	Sensory Science Principles	3	
HNFE 1004	Food, Nutrition, Exercise	3	
MATH 2015	Elem Calculus with Trig II ¹	3	
PHYS 2205	General Physics	3	
STAT 3615	Biological Statistics	3	

Choose 5 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 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 4634	Epidemiology of Foodborne Disease	3
FST 4974	Independent Study	*
FST 4994	Undergraduate Research	*
MGT 3004	Management Theory & Leadership Practice	3
MKTG 3104	Marketing Management	3

¹ Not required for students completing Math 1525-1526 or Math 1205-1206 instead of Math 1015-1016

* Credits vary depending on course

Science Option Requirements 28 Credit Hours

FREE ELECTIVES

_____	_____	() _____
_____	_____	() _____
_____	_____	() _____
_____	_____	() _____
_____	_____	() _____

Free Elective Requirements 8-12 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).