

**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 2020**

**CURRICULUM FOR LIBERAL EDUCATION**

**Area 1. Writing and Discourse**

ENGL 1105, 1106                      Freshman English                      3 \_\_\_                      3 \_\_\_

**Area 2. Ideas, Cultural Traditions and Values**

\_\_\_\_\_                      \_\_\_\_\_                      3 \_\_\_  
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**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, 1026                      ElemCalculus                      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**

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

\* Credits vary depending on course

**Science Option Requirements                      28 Credit Hours**

**FREE ELECTIVES**

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**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).