

FOOD SCIENCE
Option–Food Science and Technology
Iowa State University Catalog, 2007-2009
Department of Food Science and Human Nutrition

*Minimum of 120.5 total semester credits required for the degree.
Course credits shown in parentheses below.*

(6) INT'L PERSPECTIVES/U.S. DIVERSITY*

- (3) Select from the International Perspectives approved list:
<http://www.iastate.edu/~registrar/courses/ip-list.html>
(3) Select from the U.S. Diversity approved list:
<http://www.iastate.edu/~registrar/courses/diversity-list.html>

(12.5) COMMUNICATIONS AND LIBRARY

- (3) ENGL 150 Critical Thinking and Communication
(3) ENGL 250 Written, Oral, Visual, Electronic Comp.
(.5) LIB 160 Library Instruction
(3) SP CM 212 or COMST 214 Public Speaking course
(3) TSM 115 Solving Technical Problems

(11-15) HUMANITIES AND SOCIAL SCIENCES**

**College of Agriculture and Life Sciences students
(11-12 credits)**

Humanities and social science requirements:

- (3) Humanities course
(3) Social science course

Ethics and environmental requirements:

- (3) FS HN 342 World Food Issues
(2-3) ENV S 120 or 201 Environmental course

OR, College of Human Sciences students (15 credits)

Humanities and social science requirements:

- (6) Humanities courses
(3) Social Science course
(3) FS HN 342 World Food Issues
(3) Humanities or Social Science course

Note: FS HN 342 will meet the International Perspectives requirement for College of Human Sciences students.

(11-12) MATHEMATICAL SCIENCES

- (8) MATH 165 & 166 Calculus I & II
or MATH 181 & 182 Calculus and Math. Modeling I & II
(3-4) STAT 101 or 104 Statistics course

(23) PHYSICAL SCIENCES

- (4) CHEM 177 General Chemistry
(1) CHEM 177L Laboratory in General Chemistry
(3) CHEM 178 General Chemistry
(3) CHEM 331 Organic Chemistry
(1) CHEM 331L Laboratory in Organic Chemistry
(3) CHEM 332 Organic Chemistry
(4) PHYS 111 General Physics
(4) PHYS 112 General Physics

(13) BIOLOGICAL SCIENCES

- (3) BBMB 301 Survey of Biochemistry
(3) BIOL 211 Principles of Biology I
(3) BIOL 212 Principles of Biology II
(3) MICRO 302 Biology of Microorganisms
(1) MICRO 302L Microbiology Laboratory

(44) FOOD SCIENCE AND HUMAN NUTRITION

- (3) FS HN 101 Food and the Consumer
(1) FS HN 110 Orientation
(3) FS HN 167 Introduction to Human Nutrition
(1) FS HN 203 Contemporary Issues in FSHN
(4) FS HN 311 Food Chemistry
(3) FS HN 351 Unit Operations in Food Processing
(2) FS HN 403 Food Laws, Regulations, and Reg. Process
(3) FS HN 405 Food Quality Assurance
(3) FS HN 406 Sensory Evaluation of Food
(3) FS HN 410 Food Analysis
(2) FS HN 411 Food Ingredients, Interactions and Formulations
(4) FS HN 412 Food Product Development
(3) FS HN 420 Food Microbiology
(3) FS HN 421 Food Microbiology Laboratory
(3) FS HN 471 Food Processing
(2) FS HN 472 Food Processing Laboratory
(1) FS HN 480 Professional Seminar in FSHN

(0-2) FREE ELECTIVES – Select from any university coursework to earn ≥ 120.5 total credits prior to graduation.

NOTES:

* Students must fulfill the International Perspectives and U.S. Diversity requirements by selecting coursework from approved lists. College of Human Sciences students may dual list these courses with other degree requirements.

** Links to approved humanities and social sciences courses:
<http://www.fshn.hs.iastate.edu/ugrad/courserequir.php>

Updated December 2007