

B.S. FOOD SCIENCE

DEPARTMENT OF
FOOD SCIENCE AND TOXICOLOGY
UNIVERSITY OF IDAHO

Science Emphasis

Sample
For information only.

FRESHMAN YEAR

First Semester

Chem 111 (4) Principles of Chemistry I _____

FST 110 (3) Food Science _____

Engl 102 (3) College Writing & Rhetoric _____

Math _____ (160 or 170) (4) _____

160- Survey of Calculus

170- Anal. Geom. & Calculus I

Core Discovery (4) _____

Total (18) _____

Second Semester

Chem 112 (5) Principles of Chemistry II _____

Comm 101 (2) Fund of Public Speaking _____

FST 220 (3) Food Safety & Quality _____

MABB 154 (3) Introductory Microbiology _____

Core Discovery (3) _____

Total (16) _____

SOPHOMORE YEAR

First Semester

MABB 250 (3) General Microbiology _____

MABB 255 (2) General Microbiology Lab _____

FCS 205 (3) Concepts in Human Nutrition _____

Phys 111 (3) General Physics I _____

Free Elective (3) _____

Total (14) _____

Second Semester

ASM 240 (3) Computer App. in Bio. Sys. _____

Chem 277 (3) Organic Chem I _____

Chem 278 (1) Organic Chem Lab _____

Stat 251 (3) Principles of Statistics _____

Core Course (3) _____

Free Elective (4) _____

Total (17) _____

JUNIOR YEAR

First Semester

FST 303 (3) Food Processing _____

FST 416 (2) Food Microbiology _____

FST 417 (2) Food Microbiology Lab _____

MABB 380 (4) Introductory Biochemistry _____

Science Elective* (3) _____

Core Course (3) _____

Total (17) _____

Second Semester

FST 432 (3) Food Engineering _____

FST 433 (1) Food Engineering Lab _____

FST 422 (4) Sensory Evaluation of Food & Wine _____

Engl 317 (3) Technical Writing _____

Science Elective* (3) _____

Core Course (3) _____

Total (17) _____

SENIOR YEAR

First Semester

FST 408 (1) Seminar in Food Science _____

FST 460 (3) Food Chemistry _____

FST 461 (1) Food Chemistry Lab _____

Science Elective* (3) _____

Core Course (2-3) _____

Free Electives (6) _____

Total (16-17) _____

Second Semester

FST 470 (3) Advanced Food Technology _____

FST 462 (4) Food Analysis _____

FST 489 (3) Food Product Development _____

Science Elective* (3) _____

Free Elective (2) _____

Total (15) _____

CREDITS MUST TOTAL 128 FOR DEGREE

*Choose 11 credits from any of the following Science Electives:

Chem 253 (5) Quantitative Analysis

Chem 302,303 (4) Prin. of Physical Chemistry and Lab

FST 398 (1-4, max 4) Internship

FST 464 (3) Food Toxicology

FST 465 (3) Wine Microbiology and Processing

FST 499 (1-4, max 4) Directed Study

Gene 314 (3) General Genetics

MABB 382 (2) Introductory Biochemistry Laboratory

MABB 412 (3) Pathogenic Microbiology

MABB 420 (3) Epidemiology

MABB 425 (3) Microbial Ecology

MABB 440 (4) Advanced Laboratory Techniques

MABB 460 (3) Microbial Physiology

General Core Studies Students must earn 18 credits in General Core Studies (GCS) through Core Discovery courses (Humanities (H) or Social Science (SS) 7 credits), Cluster courses (8 - 9 credits), International courses (2 - 4 credits) and General Core Electives (credits to reach 18 credit GCS requirement). In fulfilling the GCS requirement students must complete at least 14 Hum/SS credits with at least 6 credits in each area.