

## Food Science Technology

*College of Science, Engineering & Technology*

*Department of Biological Sciences*

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Program Director: Dorothy Wrigley, Ph.D. (Biology)

Faculty: Joye Bond, Ph.D. (Family and Consumer Science); Mary Hadley, Ph.D. (Chemistry); Gregg Marg, Ph.D. (Biology); Dorothy Wrigley, Ph.D. (Biology).

The food industry in the United States is highly competitive and innovative. The need for degreed employees with a background in science and foods is increasing. Employment opportunities for food science technologists abound in Southern Minnesota. The Food Science Technology major is designed to prepare for future employment in several of the major aspects of the food industry: production, quality assurance and management; sanitation; research and development; and laboratory analysis.

### FOOD SCIENCE TECHNOLOGY BS

#### Required General Education (7 credits):

MATH	112	College Algebra (4)
STAT	154	Elementary Statistics (3)

#### Required Support Courses (8 credits):

CHEM	360	Principles of Biochemistry (4)
CHEM	437	Food Chemistry (4)

#### Recommended Support Course (4 credits):

MATH	121	Calculus I (4)
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#### Required for Major (Core, 36-38 credits):

BIOL	105W	General Biology I (4)
BIOL	106	General Biology II (4)
FCS	240	Nutrition I (3)
FCS	340	Food Science (4)
BIOL	230	Human Physiology (4)
BIOL	270	Microbiology (4)
BIOL	453	Biological Engineering Analysis I (4)
BIOL	478	Food Microbiology and Sanitation (4)
FCS	444	Experimental Food Science (3)

Choose one course from the following:

BIOL	497	Internship I (2-4)
BIOL	499	Individual Study (2-4)

#### Required Electives (3 credits):

Choose one course from the following:

BIOL	452	Biological Instrumentation (3)
BIOL	467	Industrial Hygiene (3)

#### Required Minor: Yes. Chemistry.

Refer to the College regarding required advising for students on academic probation.

#### POLICIES/INFORMATION

**Admission to major** is granted by the Department of Biology and follows minimum University admission requirements:

- a minimum of 32 earned semester credits hours
- a minimum cumulative GPA of 2.00

**GPA Policy.** A minimum GPA of 2.00 must be maintained in the major.

**P/N Grading Policy.** All courses in the major must be taken for grade.