

## Iowa State University (ISU) Food Science Transfer Plan

The [Food Science](#) degree includes coursework in food chemistry, food microbiology, food quality assurance, sensory evaluation of food, and food product development. Graduates are prepared to pursue careers as food scientists in a variety of positions within food industry.

The courses listed on this plan may be taken at the community college and transferred to Iowa State University (ISU) to satisfy requirements in the Bachelor of Science degree in Food Science. This transfer plan document was accurate on the date it was prepared and may not reflect subsequent changes by ISU or the community college. For this reason, the transfer plan should not replace consultation with an Iowa State University [academic advisor](#).

- **All courses on this plan do not need to be completed prior to transfer.** Often, transfer students complete 1 year at the community college followed by 3 years at ISU to complete coursework in the timeliest manner and earn the Bachelor of Science degree in Food Science.
- **An emphasis on completing science sequence courses** and the prerequisites for upper-level courses will best help students move through the program at the quickest pace after transfer. If you are a part-time student or cannot complete all of the suggested coursework on this plan, consider choosing the science coursework first since this begins the longest sequence of courses. (Begin with the chemistry and general biology equivalents.)
- **No more than 65 semester credit hours earned at a two-year college** can be applied to a baccalaureate degree from ISU. The university accepts up to 16 semester hours of credit earned in career-technical courses if the sending college accepts such courses toward its Associate of Arts or Associate of Science degrees.
- **Plan ahead** to [apply to ISU](#) a year prior to when you anticipate starting ISU courses, complete the [Federal Financial Aid Application \(FAFSA\)](#) for financial aid options, and apply for [scholarship](#) opportunities.

### Additional notes:

- A minimum of 120 credits are required to earn the Bachelor of Science degree in Food Science. Students may choose electives beyond the requirements for the major to reach that total if needed.
- These plans are suggestions only and may need to be adapted to meet individual needs and commitments.

**For information** on course requirements, sample four-year plan, and course sequence flow chart, refer to the Iowa State University [Food Science program](#) webpage.



Food Science Major  
Information



Course Equivalency Guides

Questions? [fshninfo@iastate.edu](mailto:fshninfo@iastate.edu)

## **Recommended Courses to take at Community College**

*Sequence may be adjusted if some courses are already completed.*

Find equivalent course on the [Course Equivalency Guide](https://www.iastate.edu/course-equivalency-guides). <https://www.iastate.edu/course-equivalency-guides>

**If a course is not the exact same number, check with an [academic advisor](#) at ISU.**

(ISU recently changed from 3- to 4-digit course numbers. For example: CHEM 177 is now CHEM 1770.)

### **Year 1**

<b>Fall Semester</b>			<b>Spring Semester</b>		
<b>ISU</b>		<b>Community College Notes</b>	<b>ISU</b>		<b>Community College</b>
<b>CHEM 1770/1770L</b> , General Chemistry I and Laboratory	5	<a href="#">Course Equivalency Guide</a>	<b>CHEM 1780</b> (and lab if required corequisite at community college), General Chemistry II	3-4	<a href="#">Course Equivalency Guide</a>
<b>ENGL 1500</b> , Critical Thinking & Communication	3	<a href="#">Course Equivalency Guide</a>	<b>ENGL 2500</b> , Written, Oral, Visual Electronic Composition	3	<a href="#">Course Equivalency Guide</a>
<b>LIB 1600</b> , Intro. to College. Level Research (if equivalent offered)	1	<a href="#">Course Equivalency Guide</a>	<b>ECON 1010</b> , Principles of Microeconomics	3	<a href="#">Course Equivalency Guide</a>
<b>Humanities (CHHS) or Elective (CALS)</b> . recommended to select from equivalents to these ISU Courses for Humanities: THRE 1060, HIST 2010, 2020, 2210, HIST 2220, ENGL 2010, HDFS 2400, ENGL 2270, ENGL 2280, MUSIC 1020, PHIL 2010, PHIL 2300, RELIG 2050  Other courses not on this list may count as Humanities, so check with an <a href="#">academic advisor</a> at ISU if you have taken or wish to take a course that you believe may fulfill a humanities requirement.	3	<a href="#">Course Equivalency Guide</a>	<b>FSHN 1670</b> , Introductory Human Nutrition and Health	3	<a href="#">Course Equivalency Guide</a>
<b>BIOL 2110 &amp; 2110L*</b> , Principles of Biology I and Laboratory*	4	*Only BIOL 2120 & 2120L equivalents are required for Food Science majors, but generally, both Principles of Biology I and II must be completed at the same institution for both courses to transfer. <a href="#">Course Equivalency Guide</a>	<b>BIOL 2120 &amp; 2120L*</b> , Principles of Biology II and Laboratory	3	*Only BIOL 2120 & 2120L equivalents are required for Food Science majors, but generally, both Principles of Biology I and II must be completed at the same institution for both courses to transfer. <a href="#">Course Equivalency Guide</a>
Total	16		Total	15-16	

Plan for Year 2 shown on the next page.

## Year 2

Fall Semester			Spring Semester		
ISU		Community College	ISU		Community College
<b>CHEM 2310/2310L or 3310/3310L</b> , Elementary Organic Chemistry or Organic Chemistry I and Laboratory	4	<a href="#">Course Equivalency Guide</a>	<b>CHEM 3320</b> (if CHEM 3310 equivalent taken), Organic Chemistry II or Elective	3	<a href="#">Course Equivalency Guide</a>
<b>Math 1600 or 1650</b> , Calculus course	4	<a href="#">Course Equivalency Guide</a>	<b>STAT 1010 or 1040</b> , Statistics	3-4	<a href="#">Course Equivalency Guide</a>
<b>Humanities or Social Science (CHHS) or Elective (CALS – if not already completed).</b> Recommended to select from equivalents to these ISU Courses for Humanities: THTRE 1060, HIST 2010, 2020, 2210, HIST 2220, ENGL 2010, HDFS 2400, ENGL 2270, ENGL 2280, MUSIC 1020, PHIL 2010, PHIL 2300, RELIG 2050  Recommended to select from equivalents to these ISU Courses for Social Science: CJ 2400, ECON 1020, ECON 1030, INTST 2350, JLMC 1010, PSYCH 2300, PSYCH 2800, HDFS 2760, SOC 1340, SOC 2350, SOC 2190  Other courses not on these recommended lists may count as Humanities or Social Science, so check with an <a href="#">academic advisor</a> at ISU if you have taken or wish to take a course that you believe may fulfill the requirement.	3	<a href="#">Course Equivalency Guide</a>	<b>Humanities</b> Recommended to select from equivalents to these ISU Courses for Humanities: THTRE 1060, HIST 2010, 2020, 2210, HIST 2220, ENGL 2010, HDFS 2400, ENGL 2270, ENGL 2280, MUSIC 1020, PHIL 2010, PHIL 2300, RELIG 2050  Other courses not on these recommended lists may count as Humanities, so check with an <a href="#">academic advisor</a> at ISU if you have taken or wish to take a course that you believe may fulfill a humanities requirement.	3	<a href="#">Course Equivalency Guide</a>
<b>PHYS 1150/1150L or 1310/1310L</b> , Physics with Lab	5	<a href="#">Course Equivalency Guide</a>	<b>MICRO 2010 &amp; 2010L</b> , Microbiology with Lab	3	<a href="#">Course Equivalency Guide</a> . If a microbiology course is offered, but not the exact same number, check with an <a href="#">academic advisor</a> at ISU as it may be substituted.
			<b>SPCM 2120</b> , Fundamentals of Speech Communication	3	
Total	16		Total	15-16	

**Plan for online summer courses through ISU after year two, including: FSHN 1010 and BBMB 3010 (prerequisites to upper-level courses). Or, contact an ISU academic advisor to plan a transfer to ISU the previous Fall or Spring, and then focus on gaining work experience in the summers.**

**FSHN 1010**, Food and the Consumer

3 credits

**BBMB 3010**, Survey of Biochemistry

3 credits