

Iowa State University (ISU) Nutritional Science Transfer Plan

The [Nutritional Science](#) program looks at the connection between diet and health. Students pursuing the pre-health professional and research program focus learn how diet can play a crucial role in the cause, treatment, and prevention of many diseases. In studying for a degree in Nutritional Science, you will gain insights into the relationship of diet, disease, and wellness. Graduates of this major are well prepared to go on to health professional schools, such as medical school, pharmacy school, dental school, or other related health professional programs. Students are also prepared to pursue nutrition research positions.

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 Nutritional 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 Nutritional 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 Nutritional Science. Students may choose electives beyond the requirements for the major to reach that total if needed.
- This plan is a suggestion 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 [Nutritional Science program](#) webpage.



Nutritional Science
Major Information



Course Equivalency Guides

Questions? 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

Fall Semester			Spring Semester		
ISU		Community College	ISU		Community College
CHEM 1770/1770L , General Chemistry I and Laboratory	5	Course Equivalency Guide	CHEM 1780/1780L , General Chemistry II and Laboratory	3-4	Course Equivalency Guide
ENGL 1500 , Critical Thinking & Communication	3	Course Equivalency Guide	ENGL 2500 , Written, Oral, Visual Electronic Composition	3	Course Equivalency Guide
LIB 1600 , Intro. to College. Level Research (if equivalent offered)	1	Course Equivalency Guide	Math 1400, 1430, 1600, or 1650 , Math Course*	3-4	*MATH 1650 along with MATH 1660, Calculus I and II, may be required for some health professional programs. Course Equivalency Guide
Humanities (CHHS) – 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 this list may count as Humanities, so check with an academic advisor at ISU if you have taken or wish to take a course that you believe may fulfill a humanities requirement.	3	Course Equivalency Guide	FSHN 1670 , Introductory Human Nutrition and Health	3	Course Equivalency Guide
BIOL 2110 & 2110L , Principles of Biology I and Laboratory*	4	Course Equivalency Guide	BIOL 2120 & 2120L , Principles of Biology II and Laboratory	3	Course Equivalency Guide
Total	16		Total	15-17	

Plan for Year 2 shown on the next page.

Year 2

Fall Semester			Spring Semester		
ISU		Community College	ISU		Community College
CHEM 2310/2310L or 3310/3310L** , Elementary Organic Chemistry or Organic Chemistry I and Laboratory	4	**CHEM 3310/3310L along with CHEM 3320/3320L are required for some health professional programs. Course Equivalency Guide	CHEM 3320/3320L , Organic Chemistry II**or Elective	3	**CHEM 3310/3310L along with CHEM 3320/3320L are required for some health professional programs. Course Equivalency Guide
Social Science 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 social science, so check with an academic advisor at ISU if you have taken or wish to take a course that you believe may fulfill a social science requirement.	3	Course Equivalency Guide	Humanities (CHHS) or Elective (if not already completed) Recommended to select from equivalents to these ISU Courses for Humanities: THTRE 1060, HIST 2010, HIST 2020, HIST 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 academic advisor at ISU if you have taken or wish to take a course that you believe may fulfill a humanities requirement.	3	Course Equivalency Guide
STAT 1010 or 1040 , Statistics	3-4	Course Equivalency Guide	MICRO 2010/2010L , Microbiology with Lab	3	Course Equivalency Guide . If a microbiology course is offered, but not the exact same number, check with an academic advisor at ISU as it may be substituted.
BIOL 2550/2550L , Fundamentals of Human Anatomy and Laboratory***	4	***BIOL 2550/2550L and 2560/2560L generally must be taken at the same institution to transfer as equivalents. Some pre-health students may want to take a higher level physiology at ISU to fulfill the physiology requirement, so should wait to take this sequence at ISU. Reach out to an ISU advisor for additional guidance. Course Equivalency Guide	BIOL 2560/2560L , Fundamentals of Human Physiology***	4	***BIOL 2550/2550L and 2560/2560L generally must be taken at the same institution to transfer as equivalents. Some pre-health students may want to take a higher level physiology at ISU to fulfill the physiology requirement, so should wait to take this sequence at ISU. Reach out to an ISU advisor for additional guidance. Course Equivalency Guide
			SPCM 2120 , Fundamentals of Speech Communication	3	Course Equivalency Guide
Total	14-15		Total	16	

Plan for online summer courses through ISU after year two, including: FSHN 2650 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 2650, Nutrition for Active and Healthy Lifestyles

3 credits

BBMB 3010, Survey of Biochemistry

3 credits

