

FOOD SCIENCE, B.S.

Begin Campus: Any Penn State Campus

End Campus: University Park

Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2024-25 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition.

Food Science, B.S. at University Park Campus

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

Fall	Credits Spring	Credits
BIOL 110 [†]	4 CHEM 112 [†]	3
CHEM 110 [†]	3 CHEM 113 [†]	1
CHEM 111 [†]	1 MATH 140 (GQ) ^{††}	4
ENGL 15 ^{††}	3 Supporting Course ²	3
FDSC 150S (First-Year Seminar)	2 General Education Course ¹	3
General Education Course ¹	3 General Education Course ¹	3
	16	17

Second Year

Fall	Credits Spring	Credits
CHEM 202	3 BMB 211	3
FDSC 200 [*]	3 BMB 212	1
FDSC 201 [*]	1 ENGL 202C or 202D ^{††}	3
MICRB 201	3 PHYS 250	4
MICRB 202	2 STAT 250 (GQ) ^{††}	3
General Education Course ¹	3 General Education Course ¹	3
	15	17

Third Year

Fall	Credits Spring	Credits
FDSC 400 [*]	3 CAS 100A or 100B ^{††}	3
FDSC 408 [*]	3 FDSC 405 [*]	3
FDSC 409	2 FDSC 406W [*]	3
General Education Course ¹	3 FDSC 410	3
General Education Course ¹	3 Supporting Course ²	3
	14	15

Fourth Year

Fall	Credits Spring	Credits
FDSC 404	3 FDSC 414	3
FDSC 411	3 FDSC 415	3
FDSC 413	3 FDSC 417	3
FDSC 450	3 Supporting Course ²	3

Supporting Course ²	3
	15
	12

Total Credits 121

- * Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
- # Course is an Entrance to Major requirement
- † Course satisfies General Education and degree requirement

¹ (6) credit minimum of GH, GS, and GA General Education courses, and (3) credits minimum for the GHW requirement are needed and may be taken in any sequence.

² Supporting courses can be selected from a wide range of courses which serve to advance your professional development as a food scientist. Please consult with an Academic Adviser before scheduling.

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and satisfy a portion of that General Education requirement. If the student's program prescribes GWS these courses will replace both ENGL 15/ENGL 30H and CAS 100A/CAS 100B/CAS 100C. Each course is 3 credits.

Advising Notes:

- FDSC 406W, a required course within the Food Science Degree, satisfies the University's Writing Across the Curriculum requirement.
- General Education Foundations (GWS and GQ) – both require a grade of a "C" or better. Typically, the GQ General Education Requirements are met by MATH 140 and STAT 250, which are also required for the major. If these courses are used to meet GQ requirements, then they require a "C" or better.
- General Education Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Typically, GN requirements are met by other requirements of the food science major (i.e., BIOL 110, CHEM 110, CHEM 111, CHEM 112, CHEM 113).

Food Science, B.S. at Commonwealth Campuses

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

Fall	Credits Spring	Credits
BIOL 110 [†]	4 CHEM 112 [†]	3
CHEM 110 [†]	3 CHEM 113 [†]	1
CHEM 111 [†]	1 MATH 140 (GQ) ^{††}	4
ENGL 15 ^{††}	3 FDSC 200 [*]	3
First-Year Seminar	2 General Education Course ¹	3
General Education Course ¹	3 General Education Course ¹	3
	16	17

Second Year

Fall	Credits Spring	Credits
CHEM 202	3 BMB 211	3
MICRB 201	3 BMB 212	1
MICRB 202	2 ENGL 202C or 202D ^{††}	3
Supporting Course ²	3 PHYS 250	4
General Education Course ¹	3 STAT 250 (GQ) ^{††}	3
General Education Course ¹	3 General Education Course ¹	3
	17	17

Third Year

Fall	Credits Spring	Credits
FDSC 201 [*]	1 CAS 100A or 100B ^{††}	3
FDSC 400 [*]	3 FDSC 405 [*]	3
FDSC 408 [*]	3 FDSC 406W [*]	3
FDSC 409	2 FDSC 410	3
General Education Course ¹	3 Supporting Course ²	3
	12	15

Fourth Year

Fall	Credits Spring	Credits
FDSC 404	3 FDSC 414	3
FDSC 411	3 FDSC 415	3
FDSC 413	3 FDSC 417	3
FDSC 450	3 Supporting Course ²	3
Supporting Course ²	3	
	15	12

Total Credits 121

* Course requires a grade of C or better for the major

‡ Course requires a grade of C or better for General Education

Course is an Entrance to Major requirement

† Course satisfies General Education and degree requirement

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- General Education Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Typically, GN requirements are met by other requirements of the food science major (i.e., BIOL 110, CHEM 110, CHEM 111, CHEM 112, CHEM 113).
- Not all classes listed within the commonwealth plan are available to students. Please consult your assigned Academic Adviser and consider clarifying with University Park's Academic Adviser for approved substitute courses.