

INTEGRATIVE SCIENCE, B.S. (BERKS)

Begin Campus: Any Penn State Campus

End Campus: Berks

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.

General Science Option: Integrative Science, B.S. at Berks 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
ENGL 15 or 30H (GWS) [†]	3 CAS 100A or 100B (GWS) [†]	3
MATH 140 (GQ) ^{*†#}	4 MATH 141 (GQ) [†]	4
CHEM 110 (GN) ^{*†#}	3 CHEM 112 (GN) [†]	3
CHEM 111 (GN) [†]	1 CHEM 113 (GN) [†]	1
BIOL 110 ^{*#†}	4 PHYS 211 ^{*#}	4
First-Year Seminar	1 General Education Course (GHW)	1.5
	16	16.5

Second Year

Fall	Credits Spring	Credits
BIOL 220W, 230W, or 240W	4 ENGL 202A, 202B, 202C, or 202D (GWS) [†]	3
PHYS 212	4 PHYS 213	2
Earth & Mineral Sciences Selection	3 PHYS 214	2
Life or Math or Physical Science Selection	3 STAT 200, 250, 301, or STAT 401	3-4
Program List Selection	3 General Education Course (GA or GH or GS)	3
	General Education Course (GA or GH or GS)	3
	17	16-17

Third Year

Fall	Credits Spring	Credits
Global, Social & Personal Awareness Selection	3 Teamwork & Interpersonal Communication Selection	3
Life or Math or Physical Science Selection	3 Life or Math or Physical Science Selection	3
Program List Selection	3 Program List Selection	3

Program List Selection	3 Program List Selection	3
General Education Course (GA or GH or GS)	3 General Education Course (Integrative Studies)	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
400 Level General Selection	3 400 Level General Selection	3
400 Level Life or Math or Physical Science Selection [*]	3 400 Level Life or Math or Physical Science Selection [*]	3
400 Level Life or Math or Physical Science Selection [*]	3 Program List Selection	3
General Education Course (Integrative Studies)	3 Program List Selection	3
General Education Course (GHW)	1.5 General Education Course (Exploration)	3
	13.5	15

Total Credits 124-125

- * 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 For General Education Course notations, please be sure to include three (3) credits of United States (US) Cultures and three (3) credits of International (IL) Cultures. Consult adviser for details.
- 2 For the Writing Across The Curriculum Requirement, students must complete this through one of the requirements listed above. Consult adviser for details.
- 3 For Entrance-to-Major requirements, students must complete two (2) courses from the following: BIOL 110, CHEM 110, and PHYS 211.
- 4 The following courses are offered Spring Semester only: ENGL 202B, PHYS 213, PHYS 214.
- 5 For PHYS 211, PHYS 212, PHYS 213, and PHYS 214, PHYS 250 and PHYS 251 may be substituted. PHYS 250 is offered Fall Semester only. PHYS 251 is offered Spring Semester only.
- 6 For Earth & Mineral Sciences Selection, consult adviser for list.
- 7 For Life or Math or Physical Science Selection, consult adviser for list.
- 8 For Program List Selection, consult adviser for list.
- 9 For 400 Level General Selection, consult adviser for list.
- 10 For 400 Level Life or Math or Physical Science Selection, consult adviser for list.
- 11 For Global, Social & Personal Awareness Selection, consult adviser for list.
- 12 For Teamwork & Interpersonal Communication Selection, consult adviser for list.

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.

Life Science Option: Integrative Science, B.S. at Berks Campus

First Year

Fall	Credits Spring	Credits
ENGL 15 or 30H (GWS) [‡]	3 CAS 100A or 100B (GWS) [‡]	3
MATH 140 (GQ) ^{*‡#}	4 MATH 141 (GQ) [‡]	4
CHEM 110 (GN) ^{*‡#}	3 CHEM 112 (GN) [†]	3
CHEM 111 (GN) [†]	1 CHEM 113 (GN) [†]	1
BIOL 110 ^{*‡#}	4 BIOL 220W, 230W, or 240W	4
First-Year Seminar	1 General Education Course (GHW)	1.5
	16	16.5

Second Year

Fall	Credits Spring	Credits
CMPSC 101, MATH 250, or STAT 250	3 ENGL 202A, 202B, 202C, or 202D (GWS) [‡]	3
CHEM 210	3 CHEM 212	3
PHYS 250 ^{*#}	4 CHEM 213	2
MICRB 201	3 PHYS 251	4
General Education Course (GA or GH or GS)	3 General Education Course (GA or GH or GS)	3
	General Education Course (GA or GH or GS)	3
	16	18

Third Year

Fall	Credits Spring	Credits
Global, Social & Personal Awareness Selection	3 Teamwork & Interpersonal Communication Selection	3
400 Level Life Science Selection [*]	3 400 Level Life Science Selection [*]	3
Program List Selection	3 Program List Selection	3
Program List Selection	3 Program List Selection	3
General Education Course (Integrative Studies)	3 General Education Course (Integrative Studies)	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
400 Level General Selection	3 400 Level General Selection	3
400 Level Life Science Selection [*]	3 Program List Selection	3
Program List Selection	3 Program List Selection	3
Program List Selection	3 Program List Selection	3
General Education Course (Exploration)	3 General Education Course (GHW)	1.5
	15	13.5

Total Credits 125

* 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 For General Education Course notations, please be sure to include three (3) credits of United States (US) Cultures and three (3) credits of International (IL) Cultures. Consult adviser for details.
- 2 For the Writing Across The Curriculum Requirement, students must complete this through one of the requirements listed above. Consult adviser for details.
- 3 For Entrance-to-Major requirements, students must complete two (2) courses from the following: BIOL 110, CHEM 110, and PHYS 211.
- 4 The following courses are offered Fall Semester only: BIOL 220W, BIOL 230W, CHEM 202, PHYS 250.
- 5 The following courses are offered Spring Semester only: BIOL 240W, CHEM 203, ENGL 202B, PHYS 251.
- 6 For PHYS 250 and PHYS 251, PHYS 211, PHYS 212, PHYS 213, and PHYS 214 may be substituted. PHYS 213 and PHYS 214 are offered Spring Semester only.
- 7 For 400 Level Life Science Selection, consult adviser for list.
- 8 For Program List Selection, consult adviser for list.
- 9 For 400 Level General Selection, consult adviser for list.
- 10 For CHEM 210, CHEM 212, and CHEM 213, CHEM 202 and CHEM 203 may be substituted.
- 11 For Global, Social & Personal Awareness Selection, consult adviser for list.
- 12 For Teamwork & Interpersonal Communication Selection, consult adviser for list.

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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.