

INTEGRATIVE SCIENCE, B.S. (UNIVERSITY COLLEGE)

Begin Campus: Any Penn State Campus

End Campus: Scranton, York

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.

Scranton Campus

General Science Option: Integrative Science, B.S. at Scranton 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 [‡]	3 BIOL 230W or 240W	4
BIOL 110 ^{*##†}	4 CAS 100A [‡]	3
CHEM 110 & CHEM 111 ^{*##†}	4 CHEM 112 & CHEM 113	4
MATH 140 ^{*##†}	4 General Education Course	3
PSU 8	1 General Education Course (GHW)	1.5
	16	15.5

Second Year

Fall	Credits Spring	Credits
BIOL 220W	4 Global Social and Personal Awareness Course	3
PHYS 250 ^{*##†}	4 Integrative and Applied Sciences Course	3
STAT 200 or 250 ^{‡†}	3-4 BIOL 230W or 240W	4
General Education Course	3 PHYS 251	4
	General Education Course	3
	14-15	17

Third Year

Fall	Credits Spring	Credits
ENGL 202C [‡]	3 400 Level Selection - Life/Mathematical/Physical Science [*]	3
400 Level Option - Life/Mathematical/Physical Science [*]	3 Option Selection - Life/Mathematical/Physical Science	3
Teamwork, Interpersonal Communication Course	3 Option Selection	3
Option Selection	3 General Education Course	3

General Education Course	3 General Education Course	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
400 Level Selection - Life/Mathematical/Physical Science [*]	3 400 Level Selection	3
400 Level Selection	3 Option Selection	3
Option Selection	3 Option Selection	3
Option Selection	3 Option Selection	3
General Education Course (GHW)	1.5 Option Selection	3
	13.5	15

Total Credits 121-122

* 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

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.

Program Notes:

- Students may take PHYS 211, PHYS 212, PHYS 213, & PHYS 214 in place of PHYS 250 & PHYS 251.

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

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First Year

Fall	Credits Spring	Credits
ENGL 15 [‡]	3 BIOL 230W or 240W	4
BIOL 110 ^{*#†}	4 CAS 100A [‡]	3
CHEM 110 & CHEM 111 ^{*#†}	4 CHEM 112 & CHEM 113	4
MATH 140 ^{*†#†}	4 General Education Course	3
PSU 8	1 General Education Course (GHW)	1.5
	16	15.5

Second Year

Fall	Credits Spring	Credits
BIOL 220W	4 CHEM 212 & CHEM 213	5
PHYS 250 ^{*#†}	4 BIOL 230W or 240W	4
CHEM 210	3 PHYS 251	4
General Education Course	3 STAT 200 or 250 ^{††}	4
	14	17

Third Year

Fall	Credits Spring	Credits
ENGL 202C [‡]	3 Global, Social, and Personal Awareness Course	3
400 Level Selection - Life Science [*]	3 400 Level Selection - Life Science [*]	3
Teamwork, Interpersonal Communication Course	3 Option Selection	3
General Education Course	3 Option Selection	3
General Education Course (GHW)	1.5 General Education Course	3
	13.5	15

Fourth Year

Fall	Credits Spring	Credits
400 Level Selection - Life Science [*]	3 400 Level Selection	3
400 Level Selection	3 Option Selection	3
Option Selection	3 Option Selection	3
Option Selection	3 Option Selection	3
General Education Course	3 General Education Course	3
	15	15

Total Credits 121

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Program Notes:

- Students may take PHYS 211, PHYS 212, PHYS 213, & PHYS 214 in place of PHYS 250 & PHYS 251. See adviser.

York Campus

General Science Option: Integrative Science, B.S. at York Campus

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First Year

Fall	Credits Spring	Credits
BIOL 110 (GN) ^{*##†}	4 CHEM 112	3
CHEM 110 (GN) ^{*##†}	3 CHEM 113	1
CHEM 111 (GN)	1 Global, Social, and Personal Awareness Course (from Department List)	3
CAS 100A, 100B, or 100C (GWS) [‡]	3 MATH 140 or 140B (GQ) ^{*‡##†}	4
ENGL 15, 30H, or ESL 15 (GWS) [‡]	3 Supporting Course (consult with academic adviser for options)	3
First-Year Seminar	1 Supporting Course (consult with academic adviser for options)	3
	15	17

Second Year

Fall	Credits Spring	Credits
4-credit BIOL course or General Education Course (GS)	3-4 4-credit BIOL course or General Education Course (GS)	3-4
Life, Mathematical, or Physical Science Course	3 Life, Mathematical, or Physical Science Course	3
Teamwork and Interpersonal Communication Course (from Department List)	3 General Education Course (GA)	3
Supporting Course (consult with academic adviser for options)	3 PHYS 250 or 211 (GN) ^{*##}	4
Supporting Course (consult with academic adviser for options)	3	
	15-16	13-14

Third Year

Fall	Credits Spring	Credits
PHYS 251 or 212	4 PHYS 213 (or Supporting Course)	2
STAT 250 or 200 (GQ) [‡]	3-4 PHYS 214 (or Supporting Course)	2
Life, Mathematical, or Physical Science Course	3 400-Level Life, Mathematical, or Physical Science Course [*]	3
General Education Course (Integrative Studies)	3 General Education Course (GH)	3
Supporting Course (consult with academic adviser for options)	3 Supporting Course (consult with academic adviser for options)	3

	General Education Course (Exploration)	Credits
		3
	16-17	16
Fourth Year		
Fall	Credits Spring	Credits
ENGL 202C, 202A, 202B, or 202D (GWS) [‡]	3 400-Level Life, Mathematical, or Physical Science Course [*]	3
Integrative and Applied Science Course (from Department list)	3 400-Level Supporting Course	3
400-Level Life, Mathematical, or Physical Science Course [*]	3 General Education Course (GHW)	3
400-Level Supporting Course	3 General Education Course (Exploration)	3
General Education Course (Integrative Studies)	3 Supporting Course (consult with academic adviser for options)	3
	15	15

Total Credits 122-125

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

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First Year

Fall	Credits Spring	Credits
BIOL 110 (GN) ^{*#†}	4 CHEM 112	3
CHEM 110 (GN) ^{*#†}	3 BIOL 220W or 240W	4
CHEM 111 (GN)	1 CHEM 113	1
CAS 100A, 100B, or 100C (GWS) [‡]	3 Global, Social, and Personal Awareness Course (from Department List)	3
ENGL 15, 30H, or ESL 15 (GWS) [‡]	3 MATH 140 or 140B (GQ) ^{*†#}	4
First-Year Seminar	1	
	15	15

Second Year

Fall	Credits Spring	Credits
BIOL 230W or MICRB 201	3-4 CHEM 212	3
CHEM 210	3 CHEM 213	2
General Education Course (GS)	3 PHYS 250 or 211 (GN) ^{*#}	4
Teamwork and Interpersonal Communication Course (from Department List)	3 Supporting Course (consult with academic adviser for options)	3
Supporting Course (consult with academic adviser for options)	3 General Education Course (GA) [*]	3
	15-16	15

Third Year

Fall	Credits Spring	Credits
PHYS 251 or 212	4 PHYS 213 (or Supporting Course)	2
STAT 250 or 200 (GQ) [‡]	3-4 PHYS 214 (or Supporting Course)	2
400-Level Life Science Course [*]	3 400-Level Supporting Course [*]	3
General Education Course (Integrative Studies)	3 General Education Course (GH)	3
Supporting Course (consult with academic adviser for options)	3 Supporting Course (consult with academic adviser for options)	3
	General Education Course (Exploration)	3
	16-17	16

Fourth Year

Fall	Credits Spring	Credits
ENGL 202C, 202A, 202B, or 202D (GWS) [‡]	3 400-Level Life Science Course [*]	3
General Education Course (Exploration)	3 400-Level Supporting Course	3

Supporting Course (consult with academic adviser for options)	3 General Education Course (GHW)	3
400-Level Life Science Course [*]	3 Supporting Course (consult with academic adviser for options)	3
General Education Course (Integrative Studies)	3 Supporting Course (consult with academic adviser for options)	3
	15	15

Total Credits 122-124

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