

SCIENCE, B.S. (UNIVERSITY COLLEGE)

Begin Campus: Any Penn State Campus

End Campus: York, Scranton

Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2022-23 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 (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

Scranton Campus

General Science Option: 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 (GWS) [†]	3 BIOL 230W or 240W	4
BIOL 110 (GN) ^{*#†}	4 CHEM 112 & CHEM 113 (GN)	4
CHEM 110 & CHEM 111 (GN) ^{*#†}	4 MATH 141 (GQ) [*]	4
MATH 140 (GQ) ^{*#†}	4 General Education Course	3
PSU 8	1	
	16	15

Second Year

Fall	Credits Spring	Credits
BIOL 220W	4 Global Social and Personal Awareness Course	3
PHYS 250 [*]	4 Earth and Mineral Sciences	3
STAT 200 or 250	3-4 BIOL 230W or 240W	4
CAS 100 (GWS)	3 PHYS 251 (GN) [*]	4
General Education Course	3 General Education Course	3
	17-18	17

Third Year

Fall	Credits Spring	Credits
400 Level Option - Life/Mathematical/Physical Science [*]	3-4 400 Level Selection - Life/Mathematical/Physical Science [*]	3
Option Selection - Teamwork, Interpersonal Communication	3 Option Selection - Life/Mathematical/Physical Science	3
Option Selection	3 ENGL 202C	3
General Education Course	3 General Education Course	3

General Education Course	3 Elective	3
	General Education Course (GHW)	1.5
	15-16	16.5

Fourth Year

Fall	Credits Spring	Credits
400 Level Selection - Life/Mathematical/Physical Science [*]	3 400 Level Selection	3
400 Level Selection	3 Option Selection - Life/Mathematical/Physical Science	3
Option Selection - Life/Mathematical/Physical Science	3 Option Selection	3
Elective - Option Course	3 Option Selection	3
Elective - Option Course	3 Option Selection	3
General Education Course (GHW)	1.5	
	16.5	15

Total Credits 128-130

* 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 University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

Program Notes

BIOL 230W is offered alternating spring semesters

BIOL 240W is offered alternating spring semesters

Students may take PHYS 211, General Physics: Electricity and Magnetism (PHYS 212), General Physics: Fluids and Thermal Physics (PHYS 213), & General Physics: Wave Motion and Quantum Physics (PHYS 214) in place of PHYS 250 & PHYS 251

Life Science Option: 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 (GWS) [†]	3 BIOL 230W or 240W	4
BIOL 110 (GN) ^{*#†}	4 CHEM 112 & CHEM 113 (GN)	4
CHEM 110 & CHEM 111 (GN) ^{*#†}	4 MATH 141 (GQ)	4
MATH 140 (GQ) ^{*#†}	4 General Education Course	3
PSU 8	1 General Education Course (GHW)	1.5
	16	16.5

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 (GN) [*]	4
Quantification (GQ)	3 General Education Course	3
General Education Course	3	
	17	16

Third Year

Fall	Credits Spring	Credits
400 Level Option - Life/ Mathematical/Physical Science [*]	3-4 BMB 211 (or General Education Course)	3
Option Selection - Teamwork, Interpersonal Communication	3 Option Selection: Global, Social, and Personal Awareness	3
CAS 100	3 400 Level Selection Life Sciences [*]	3
General Education Course	3 ENGL 202C	3
General Education Course (GHW)	1.5 Option Selection	3
	13.5-14.5	15

Fourth Year

Fall	Credits Spring	Credits
400 Level Selection - Life Science [*]	3 400 Level Selection	3
400 Level Selection	3 BMB 211 (or General Education Course)	3
Option Selection	3 Option Selection	3
Option Selection	3 Option Selection	3
General Education Course	3 Option Selection	3
	15	15

Total Credits 124-125

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

Course is an Entrance to Major requirement

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Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

Program Notes

BIOL 230W is offered alternating spring semesters

BIOL 240W is offered alternating spring semesters

Students may take PHYS 211, General Physics: Electricity and Magnetism (PHYS 212), General Physics: Fluids and Thermal Physics (PHYS 213), & General Physics: Wave Motion and Quantum Physics (PHYS 214) in place of PHYS 250 & PHYS 251. See adviser.

BMB 211 is offered alternating spring semesters.

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

York Campus

Science, B.S. at York Campus

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First Year

Fall	Credits Spring	Credits
ENGL 15 or 30H [‡]	3 CHEM 112	3
BIOL 110 [*]	4 CHEM 113	1
CHEM 110 [*]	3 MATH 141	4
MATH 140 [*]	4 PHYS 211 or 250 [*]	4
CHEM 111 [*]	1 General Education course (GHW)	1-3
15		13-15

Second Year

Fall	Credits Spring	Credits
CAS 100 [‡]	3 ENGL 202C [‡]	3
Option Selection course	3-4 Option Selection course	3-4
General Education course	3 PHYS 214 or 213 [*]	2
PHYS 212 or 251 [*]	4 General Education course	6
MICRB 201	3	
16-17		14-15

Third Year

Fall	Credits Spring	Credits
Option Selection course	3-4 400 Level Selection [*]	3
400 Level Selection [*]	3 General Education course	3
General Education course (GHW)	1-3 Option Selection course [*]	6-8
General Education course	3 Elective [*]	3
Elective	6	
16-19		15-17

Fourth Year

Fall	Credits Spring	Credits
400 level Selection [*]	6 400 level selection	3
Option Selection course	3-4 Option Selection course	6-8
General Education Course	3 General Education Course	3
Elective	3 Elective	3
15-16		15-17

Total Credits 119-131

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