

SCIENCE, B.S. (ALTOONA)

Begin Campus: Any Penn State Campus

End Campus: Altoona

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*).

General Option: Science, B.S. at Altoona 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 MATH 141 (GQ) [†]	4
MATH 140 (GQ) ^{**†}	4 CAS 100 [‡]	3
BIOL 110 (GN) ^{**†}	4 CHEM 112 (GN) ^{**†}	3
CHEM 110 (GN) ^{**†}	3 CHEM 113 (GN)	1
CHEM 111 (GN) [†]	1 General Education Course	3
PSU 3	1 General Education Health & Wellness (GHW)	1.5
	16	15.5

Second Year

Fall	Credits Spring	Credits
PHYS 211 or 250 [*]	4 PHYS 212 or 251	4
Earth and Mineral Sciences Course	3 MICRB 201	3
CMPSC 201, MATH 230, MATH 250, or STAT 200	3 or 4 ENGL 202C [‡]	3
General Education Course	3 General Education Course	3
General Education Course	3 Science Elective	3
	General Education Health and Wellness (GHW)	1.5
	16-17	17.5

Third Year

Fall	Credits Spring	Credits
Elective or PHYS 213 or PHYS 214	3 or 4 General Education Course	3
Writing Across the Curriculum Elective	3 Science Elective	3
General Education Course	3 Supporting Course	3
Science Elective	3 Supporting Course	3
Supporting Course	3 400-level Science Course [*]	3
	15-16	15

Fourth Year

Fall	Credits Spring	Credits
400-level Science Course [*]	3 400-level Science Course [*]	3
Supporting Course	3 Supporting Course	3
Supporting Course	3 Supporting Course	3
World Language Course Level 1	4 World Language Course Level 2	4
400-level Science Course [*]	3 400-level Science Course	3
	16	16

Total Credits 127-129

- * 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.

Math Option: Science, B.S. at Altoona 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
MATH 140 (GQ) ^{**†}	4 MATH 141 (GQ) [†]	4
CHEM 110 (GN) ^{**†}	3 CHEM 112 (GN) ^{**†}	3
CHEM 111 (GN) [†]	1 CHEM 113 (GN)	1
World Language Course Level 1	4 World Language Course Level 2	4
ENGL 15, 30H, or ESL 15 [‡]	3 General Education Course	3
	General Education Health & Wellness (GHW)	1.5
	15	16.5

Second Year

Fall	Credits Spring	Credits
MATH 220	2-3 MATH 311W	3
MATH 230 or 251	4 BMB 211, 251, or MICRB 201	3
BIOL 110	4 CMPSC 121, 201, or 202	3
CMPSC 121, 201, or 202	3 ENGL 202C [‡]	3
General Education Course	3 Supporting Course	3
	General Education Health and Wellness (GHW)	1.5
	16-17	16.5

Third Year

Fall	Credits Spring	Credits
Mathematics 400-level Course	3 MATH 414	3
PHYS 211 or 250	4 PHYS 212 or 251	4
CAS 100 [‡]	3 Supporting Course	3 or 4
Supporting Course	3 or 4 Supporting Course	3 or 4
General Education Course	3 General Education Course	3
	16-17	16-18

Fourth Year

Fall	Credits Spring	Credits
Mathematics 400-level Course	3 Mathematics 400-level Course	3
Mathematics 400-level Course	3 Mathematics 400-level Course	3
Supporting Course	3 or 4 Supporting Course	3 or 4
General Education Course	3 General Education Course	3
PHYS 213 or 214	2	
	14-15	12-13

Total Credits 122-128

† 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.

* 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