

MATHEMATICS, 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 2021-22 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 contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

General Mathematics Option: Mathematics, 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	4	MATH 141	4
PSU 3	1	ENGL 15, 30H, or ESL 15 ^{††}	3
STAT 200	4	General Education Course	3
General Education Course	3	General Education Course	3
General Education Course	3	General Education Course (GHW)	1.5
General Education Course (GHW)	1.5		
		16.5	14.5

Second Year

Fall	Credits	Spring	Credits
MATH 220 [*]	2-3	MATH 250 or 251	3-4
MATH 230 [*]	4	MATH 311W [*]	3
General Education Course	3	CMPSC 101, 121, or 201	3
General Education Course	3	Supporting Course (Consult with an academic adviser for alternative options)	3
CAS 100A, 100B, or 100C [‡]	3	ENGL 202C [‡]	3
		15-16	15-16

Third Year

Fall	Credits	Spring	Credits
MATH 312 [*]	3	MATH 414 or STAT 414	3
MATH 435 or 436 [*]	3	MATH 403 [*]	3
Area of Application (Consult with an academic adviser for alternative options)	3	Area of Application Course (Consult with an academic adviser for alternative options)	3

Supporting Course (Consult with an academic adviser for alternative options)	3	General Education Course	3
General Education Course	3	Supporting Course (Chose in consultation with your academic advisor)	3
		15	15

Fourth Year

Fall	Credits	Spring	Credits
MATH 411, 412, 417, 419, or 421 [*]	3	400-Level MATH course except MATH 401, 405, 406, 470, 471	3
400-level MATH course except MATH 401, 405, 406, 470 and 471 [*]	3	Area of Application Course (Consult with an academic adviser for alternative options)	3
Area of Application Course (Consult with an academic adviser for alternative options)	3	Supporting Course (Consult with an academic adviser for alternative options)	3
Supporting Course (Chosen in consultation with your academic advisor)	3	Supporting Course (Consult with an academic adviser for alternative options)	3
Supporting Course (Chosen in consultation with your academic advisor) [†]	3	400-Level MATH	3
		15	15

Total Credits 121-123

- * 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.

Systems Analysis Option: Mathematics, B.S. at Altoona Campus

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First Year

Fall	Credits Spring	Credits
MATH 140	4 MATH 141	4
PSU 3	1 ENGL 15, 30H, or ESL 15 [‡]	3
STAT 200	4 General Education Course	3
General Education Course	3 General Education Course	3
General Education Course	3 General Education Course (GHW)	1.5
General Education Course (GHW)	1.5	
	16.5	14.5

Second Year

Fall	Credits Spring	Credits
MATH 220 [*]	2-3 MATH 250 or 251 [*]	3-4
MATH 230	4 MATH 311W [*]	3
General Education	3 CMPSC 101, 121, or 201	3
General Education	3 Supporting Course (Consult with an academic adviser for alternative options)	3
CAS 100A, 100B, or 100C [‡]	3 ENGL 202C [‡]	3
	15-16	15-16

Third Year

Fall	Credits Spring	Credits
MATH 312 [*]	3 MATH 414 or STAT 415	3
MATH 436 or 484 [*]	3 MATH 310, 451, 485, or 486 [*]	3
Area of Application Course (Consult with an academic adviser for alternative options)	3 Area of Application Course (Consult with an academic adviser for alternative options)	3
Supporting Course (Consult with an academic adviser for alternative options)	3 General Education Course	3
General Education	3 Supporting Course (Chosen in consultation with your academic advisor)	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
MATH 415 or STAT 415 [*]	3 MATH 310, 451, 485, or 486	3
MATH 436 or 484 [*]	3 400-Level MATH Course expect MATH 401, 405, 406, 470, 471	3
Area of Application Course (Consult with an academic adviser for alternative options)	3 Area of Application (Consult with an academic adviser for alternative options)	3

Supporting Course (Consult with an academic adviser for alternative options)	3 Supporting Course (Consult with an academic adviser for alternative options)	3
General Education Course	3 Supporting Course (Consult with an academic adviser for alternative options) [†]	3
	15	15

Total Credits 121-123

* 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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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.