Transfer Credit Ohio
THE OHIO DEPARTMENT OF HIGHER EDUCATION
Guaranteed Transfer Pathways

The Ohio State University

Mathematics

Associate of Science to Bachelor of Science

Effective beginning Academic Year 2022-23 (Last revised January 27, 2023)

The following table outlines how transfer credits will be applied to the Bachelor of Science in Mathematics degree at The Ohio State University for students who completed an Associate of Science degree via the Ohio Guaranteed Mathematics (AS to BS) Transfer Pathway. The OGTP designation guarantees the transfer and applicability of credits, but does not guarantee admission to a program. Some bachelor-degree granting programs may be competitive, and students should check with individual institutions for their program admission requirements.

COURSE EQUIVALENCIES FROM THE ASSOCIATE DEGREE	Course Number	Credit Hours
GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36		
Any Ohio Transfer 36 approved First Writing (TME001) course	ENGLISH 1110.xx	3
Calculus I (TMM005)	MATH 1151	5
Any Ohio Transfer 36 approved Arts and Humanities course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Arts and Humanities course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Social and Behavioral Sciences course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Social and Behavioral Sciences course	Ohio Transfer 36 Elective*	3
Calculus-based Physics I with lab (OSC016)	PHYS 1250	4-5
Calculus-based Physics II with lab (OSC017) or any Ohio Transfer 36 approved Natural Sciences course	PHYS 1251 or Ohio Transfer 36 Elective*	5
Any Ohio Transfer 36 approved Second Writing (TME002) course	ENGLISH 2367.xx	3
Calculus II (TMM006)	MATH 1152	5
Up to 3-4 additional hours of Ohio Transfer 36 approved courses[1]	Ohio Transfer 36 Elective*	3-4
PRE-MAJOR/BEGINNING MAJOR		
Calculus III (OMT018)	MATH 2153	4
Elementary Linear Algebra (OMT019)	MATH 2568	3
Elementary Differential Equations (OMT020)	MATH 2255	3
OTHER REQUIREMENTS		
Electives[2]	Varies*	10-14
TOTAL HOURS FROM ASSOCIATE DEGREE:		60-66

Advising Notes:
(*) Indicates that coursework will be evaluated for applicable equivalency upon transfer at the university. If a Transfer Assurance Guide (TAG) course is taken, the approved course equivalency will be awarded.
[1] OSU recommends Ohio Transfer 36 courses that will fulfill OSU's Race, Ethnicity, and Gender Diversity requirement. If not taken as part of the associate degree, students will need to complete this requirement at OSU.
[2] The OSU College of Arts and Sciences requires three semesters of world language and recommends filling elective spots with world language if possible.

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The following additional coursework will be required to complete the Bachelor of Science in Mathematics degree at The Ohio State University after a student has completed an Associate of Science Ohio Guaranteed Mathematics (AS to BS) Transfer Pathway degree. Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE		Course Number	Credit Hours
General Education:	Book ends: GE Launch Seminar and GE Reflection Seminar	GENED 1201 GENED 4001	2
General Education:	GE Theme: Citizenship for a Diverse and Just World	Varies	4-6
General Education:	GE Theme: Elective	Varies	4-6
General Education:	Race, Ethnicity, and Gender Diversity	Varies	3
College Requirement:	Arts and Sciences Survey: Transfer	ARTSSCI 1100.04	1
College Requirement:	World Language (completion through the 1103-level)	1101, 1102, 1103	12
Major Prerequisite:	Introductory Seminar[1]	MATH 1295	1
Major Requirement:	Foundations of Higher Mathematics[2]	MATH 3345	3
Major Requirement:	Probability or Introduction to Mathmatical Statistics I	MATH 4530 or STAT 4201	3-4
Major Requirement:	Introduction to Mathematical Statistics II[3]	STAT 4202	4
Major Requirement:	Introductory Analysis I	MATH 4547	3
Major Requirement:	Introductory Analysis II	MATH 4548	3
Major Requirement:	Abstract Algebra I	MATH 4580	3
Major Requirement:	Abstract Algebra II	MATH 4581	3
Major Requirement:	Math Major Electives	Varies	6
GE/Electives:	Additional General Education Courses and Electives[4]	Varies	5-10
REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE TOTAL:[5]			60-70

Advising Notes:
[1] Satisfies the technology embedded literacy requirement.
[2] Satisfies the advanced writing embedded literacy requirement.
[3] Satisfies the data analysis embedded literacy requirement.
[4] The OSU College of Arts and Sciences requires a minimum of 39 credit hours of upper-division coursework.
[5] The OSU College of Arts and Sciences requires a total of 121 credit hours for degree completion. The total number of hours to complete a bachelor's degree represents a range of hours that may be needed depending on the individual course selections made during the associate degree program.

COMPLETE BACHELOR'S DEGREE	Total Credit Hours
BACHELOR'S DEGREE TOTAL:	121

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SPECIAL NOTES
For more information, please contact: Department of Mathematics--Advising Office mathadvisors@math.osu.edu (614) 292-6994 https://math.osu.edu/undergrad/advising/office

SAMPLE DEGREE MAP

THIRD YEAR

SEMESTER 5	
Course Name & Number	Credit Hours
MATH 1295 Introductory Seminar	1
MATH 4530 Probability	3
GENED 1201 GE Launch Seminar	1
World Language 1101	4
GE Theme: Citizenship for a Diverse and Just World course	3-4
ARTSSCI 1100.04 Arts and Sciences Survey: Transfer	1
GE Race, Ethnicity, and Gender Diversity	3
Total Semester 5 Credit Hours	16-17

SEMESTER 6	
Course Name & Number	Credit Hours
MATH 3345 Foundations of Higher Mathematics	3
STAT 4202 Introduction to Mathematical Statistics II	4
World Language 1102	4
GE Theme: Elective	3-4
GE Theme: Citizenship for a Diverse and Just World course	3-4
Total Semester 6 Credit Hours	17-19

FOURTH YEAR

SEMESTER 7	
Course Name & Number	Credit Hours
MATH 4547 Introductory Analysis I	3
MATH 4580 Abstract Algebra I	3
Major Elective	3
World Language 1103	4
GE Theme: Elective	3-4
Total Semester 7 Credit Hours	16

SEMESTER 8	
Course Name & Number	Credit Hours
MATH 4548 Introductory Analysis II	3
MATH 4581 Abstract Algebra II	3
Major Elective	3
GE Course or Elective	3
GE Course or Elective	3
Total Semester 8 Credit Hours	15