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

Miami University
Mathematics
Associate of Science to Bachelor of Arts

Effective beginning Academic Year 2022-23 (Last revised August 31, 2023)

The following table outlines how transfer credits will be applied to the Bachelor of Arts in Mathematics degree at Miami University for students who completed an Associate of Science degree via the Ohio Guaranteed Mathematics (AS to BA) 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	ENG 111	3
Calculus I (TMM005)	MTH 151	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
Any Ohio Transfer 36 approved Natural Sciences course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Natural Sciences course with lab	Ohio Transfer 36 Elective*	3-4
Any Ohio Transfer 36 approved Second Writing (TME002) course	ENG 112	3
Calculus II (TMM006)	MTH 249 or MTH 251	4-5
Up to 3-4 additional hours of Ohio Transfer 36 approved courses	Ohio Transfer 36 Elective*	0-4
PRE-MAJOR/BEGINNING MAJOR		
Calculus III (OMT018)	MTH 252	4
Elementary Linear Algebra (OMT019)	MTH 222	3
Elementary Differential Equations (OMT020)	MTH 245	3
OTHER RECOMMENDATIONS		
General Electives as needed (Recommened: Discrete Math (TMM023); May include FYE or Orientation course)[1]	Varies*	9-17
TOTAL HOURS FROM ASSOCIATE DEGREE		60-65

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] Miami University recommends two semesters of foreign language be taken during the associate degree if possible, or that credit has been earned via an approved Advanced Placement or International Baccalaureate exam through the end of the beginning level (or higher). The College of Arts & Sciences (CAS) requires that students earn credit in a foreign language at or beyond the 202-level. If not taken during the associate degree, up to four semesters of foreign language may need to be taken upon transfer.

SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.

The following additional coursework will be required to complete the Bachelor of Arts in Mathematics degree at Miami University after a student has completed their Associate of Science Ohio Guaranteed Mathematics (AS to BA) 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
Major Core Course/ Advanced Writing Requirement:	Proof: Introduction to Higher Mathematics	MTH 331	3
Major Core Course:	Introduction to Abstract Algebra or Real Analysis	MTH 421 or MTH 441	3-4
Major Core Course:	Select one Theoretical Course	MTH 411, MTH 438, MTH 483, MTH 486, or MTH 491	3
Major Core Course:	Select two Applied Courses	MTH 347, MTH 432, MTH 439, MTH 447, MTH 451, MTH 453, MTH 455, MTH 495, or STA 401	6-7
Major Elective:	Select an unused theoretical or applied course listed above or one of the following listed in next column	MTH 410, MTH 420, MTH 425, MTH 435, MTH 437, MTH 440, or MTH 482	2-4
Major Core Course:	Related Area Part I: Computer Programming	Select one: CSE 153, CSE 163, CSE 174, STA 402, MTH 408, or PHY 286	3
Major Core Course:	Related Area Part II: Cluster of courses in one area: ACC, CHM, CSE, ECO, ECE, PHY, or STA (with at least six hours at advanced level)	Varies	12
Major Core Course and General Education :	Capstone (if not taken for the Major Elective Course)	MTH 425, MTH 435, or MTH 482	0-4
Divisional Requirement:	First (if needed) and Second year of selected foreign language sequence	101, 102, 201, and 202	6-14
General Education:	Experiential Learning Requirement	Varies	0-3
General Education:	Intercultural Consciousness Course	Varies	3
General Education:	Global Inquiry Courses	Varies	6
General Electives:	General Electives[1]	Varies	0-14
REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE TOTAL:[2]			61-68

Advising Notes:

[1] Students are required to attend an orientation session and will meet with an advisor to review the coursework coming in, as well as what they should register for the following semester. At this time, the divisional requirements for CAS will be addressed so that students are able to be efficient in their course selection.

[2] Miami University requires a total of 124 credit hours for degree completion. The total number of hours to complete the 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:	124

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SPECIAL NOTES

For more information, please contact:
College of Arts & Sciences Advising Office
casadvising@miamioh.edu
(513) 529-3031
http://miamioh.edu/cas/academics/advising/

SAMPLE DEGREE MAP

THIRD YEAR

SEMESTER 5

Course Name & Number	Credit Hours
MTH 331 Proof: Introduction to Higher Mathematics	3
Related Area Part I: Computer Programming	3
Foreign Language 201	3
Math Applied Course	3-4
Global Inquiry Course	3
Total Semester 5 Credit Hours	15-16

SEMESTER 6

Course Name & Number	Credit Hours
MTH 421 Introduction to Abstract Algebra or MTH 441 Real Analysis	3-4
Math Theoretical Course	3
Foreign Language 202	3
Related Area Part II	3
Intercultural Consciousness Course	3
Total Semester 6 Credit Hours	15-16

FOURTH YEAR

SEMESTER 7

Course Name & Number	Credit Hours
Math Applied Course	3-4
Global Inquiry Course	3
Related Area Part II	3
Related Area Part II	3
Related Area Part II	3
Experiential Learning	0-3
Total Semester 7 Credit Hours	15-19

SEMESTER 8

Course Name & Number	Credit Hours
Math Elective Course	3-4
Math Capstone Course	3-4
General Electives/Divisional Requirement	3
General Electives/Divisional Requirement	3
General Electives/Divisional Requirement	3
Total Semester 8 Credit Hours	15-17