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

The University of Akron

Mathematics

Associate of Science to Bachelor of Science

Effective beginning Academic Year 2022-23 (Last revised November 23, 2022)

The following table outlines how transfer credits will be applied to the Bachelor of Science in Applied Mathematics degree at The University of Akron 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	ENGL 111	3
Calculus I (TMM005)	MATH 221	4
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)[1]	PHYS 291	4
Calculus-based Physics II with lab (OSC017) or any Ohio Transfer 36 approved Natural Sciences course[1]	PHYS 292	4
Any Ohio Transfer 36 approved Second Writing (TME002) course	ENGL 112	3
Calculus II (TMM006)	MATH 222	4
Up to 3 additional hours of Ohio Transfer 36 approved courses	Ohio Transfer 36 Elective*	3
PRE-MAJOR/BEGINNING MAJOR		
Calculus III (OMT018)	MATH 223	4
Elementary Linear Algebra (OMT019)	MATH 312	3
Elementary Differential Equations (OMT020)	MATH 335	3
OTHER RECOMMENDATIONS		
Electives[2]	Varies*	7-12
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] The University of Akron will accept any Ohio Transfer 36 Natural Sciences coursework. Any two course sequence for majors-level Natural Science (OSC016 & OSC017, OSC008 & OSC009, OSC003 & OSC004) is recommended.
[2] The University of Akron requires four semesters of world language. If not taken as part of the associate degree, it will need to be completed after transfer. Please work with your academic advisor and your receiving institution to determine an appropriate program of study.

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.

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The following additional coursework will be required to complete the Bachelor of Science in Applied Mathematics degree at The University of Akron after a student has completed their 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 Requirements :	Domestic Diversity and Global Diversity may need to be fulfilled still, if not taken as part of the associate degree program. Complex Issues Facing Society course or an approved capstone in the major	Varies	0-9
College Requirement:	Elementary World Language Sequence	101 and 102	8
College Requirement:	Intermediate World Language Sequence	201 and 202	6
Major Core Requirements:	Fundamentals of Advanced Mathematics	MATH 307	3
Major Core Requirements:	Computer Science I	CPSC 209	4
Major Core Requirements:	Advanced Calculus I	MATH 421	3
Major Core Requirements:	Advanced Calculus II (or Complex Variables)	MATH 422 or MATH 425	3
Major Core Requirements:	Applied Numerical Methods I	MATH 427	3
Major Core Requirements:	Applied Numerical Methods II	MATH 428	3
Major Core Requirements:	Mathematical Models	MATH 436	3
Major Core Requirements:	Applied Statistics	STAT 461	4
Major Core Requirements:	Upper-level Electives (15 credit hours at the 300/400 level of which at least 6 credits are from some approved applied area such as Mathematics, Statistics, Computer Science, Chemistry, Physics, Economics, Engineering, etc.)	Varies	15
Electives:	Open electives to reach 120 credits	Varies	5
REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE TOTAL:[1]			60

Advising Notes:
[1] The University of Akron requires a total of 120 credit hours for degree completion with 40 of the credit hours at the 300/400 level. 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:	120

SPECIAL NOTES

For more information, please contact:
Department of Mathematics
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https://uakron.edu/math/

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SAMPLE DEGREE MAP

THIRD YEAR

SEMESTER 5

Course Name & Number	Credit Hours
CPSC 209 Computer Science I	4
MATH 307 Fundamentals of Advanced Mathematics	3
STAT 461 Applied Statistics	4
xxxx 101 Elementary World Language I	4
Total Semester 5 Credit Hours	15

SEMESTER 6

Course Name & Number	Credit Hours
MATH 425 Complex Variables or Math Elective	3
MATH 436 Mathematical Models or Math Elective	3
Math Elective	3
Open Elective	2
xxxx 102 Elementary World Language II	4
Total Semester 6 Credit Hours	15

FOURTH YEAR

SEMESTER 7

Course Name & Number	Credit Hours
MATH 421 Advanced Calculus I	3
MATH 427 Applied Numerical Methods I	3
Math Elective	3
Open Elective	3
xxxx 201 Intermediate World Language I	3
Total Semester 7 Credit Hours	15

SEMESTER 8

Course Name & Number	Credit Hours
MATH 422 Advanced Calculus II or Math Elective	3
MATH 436 Mathematical Models or Math Elective	3
MATH 428 Applied Numerical Methods II	3
Math Elective	3
xxxx 202 Intermediate World Language II	3
Total Semester 8 Credit Hours	15