

The following table outlines how transfer credits will be applied to the Bachelor of Arts in Mathematics degree at Bowling Green State 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
<b>GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER MODULE</b>		
Any Ohio Transfer 36 approved First Writing (TME001) course	WRIT 1110	3
Calculus I (TMM005)	MATH 1310	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	WRIT 1120 <sup>2</sup>	3
Calculus II (TMM006)	MATH 2320	5
Up to 3-4 additional hours of Ohio Transfer 36 approved courses	Ohio Transfer 36 Elective*	3
<b>PRE-MAJOR/BEGINNING MAJOR</b>		
Calculus III (OMT018)	MATH 2350	4
Elementary Linear Algebra (OMT019)	MATH 3320	3
Elementary Differential Equations (OMT020)	MATH 3370	3
<b>OTHER RECOMMENDATIONS</b>		
Electives <sup>1</sup>	Varies*	8-14
<b>TOTAL HOURS FROM ASSOCIATE DEGREE:</b>		<b>60-65</b>
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. <sup>1</sup> BGSU requires four semesters of foreign language and highly recommends filling elective spots with two semesters of foreign language if at all possible. <sup>2</sup> Successful completion of WRIT 1120 with a "C or higher" is a BGSU graduation requirement.		

Bowling Green State University  
**Mathematics**  
Associate of Science to Bachelor of Arts

Effective beginning Academic Year 2019-20 (Last revised November 4, 2019)

The following additional coursework will be required to complete the Bachelor of Arts in Mathematics degree at Bowling Green State 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
BG Perspective:	International Perspective and Cultural Diversity in the United States (if not taken during the associate degree) <sup>1</sup>	Varies	0-6
Arts and Sciences Requirement:	Foreign Language III and Foreign Language IV <sup>2</sup>	Varies	6
MDC:	Multidisciplinary Component <sup>3</sup>	Varies	12
Major Requirement:	Discrete Mathematics	MATH 3220	3
Major Requirement:	Mathematical Foundations & Techniques	MATH 3280	3
Major Requirement:	Modern Algebra I	MATH 4030	3
Major Requirement:	Introduction to Real Analysis I	MATH 4650	3
Major Requirement:	MATH Electives (3000/4000 Level)	Varies	6
Major Requirement:	Elective	Varies	3
Minor Requirement:	Minor Courses <sup>4</sup>	Varies	21
<b>REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE TOTAL:<sup>5</sup></b>			<b>60</b>
<p>Advising Notes:</p> <p><sup>1</sup> Assumes students have already fulfilled Bowling Green Perspective (BGP) requirements, which include select courses that meet the International Perspective and the Cultural Diversity in the United States requirements, as part of their associate degree program. If these requirements were not met, they will need to be upon transfer. Please work closely with your academic advisor.</p> <p><sup>2</sup> Assumes that the student has completed the first two semesters of the language sequence prior to entering BGSU.</p> <p><sup>3</sup> The College of Arts and Sciences at BGSU requires a four-course Multidisciplinary Component (MDC). Students are strongly encouraged to work with their advisor to maximize the potential transfer credit to fulfill the first two courses of the MDC. The four courses selected for the MDC may be closely related to the major, sample the diverse domains of the arts, humanities, natural sciences, and social sciences, or be interdisciplinary in nature. Each course must have a different prefix; at least two courses must be at 3000- or 4000-level; and courses applied to the MDC will not fulfill other Arts and Sciences degree requirements, nor will MDC courses fulfill the major, minor, BGP, or other program requirements.</p> <p><sup>4</sup> Assumes that the student selects a minor with 21 semester hours.</p> <p><sup>5</sup> BGSU requires a total of 122 credit hours for degree completion. The total number of hours in the third and fourth years represent a range of hours that may be needed depending on the individual course selections made during the first two years.</p>			

COMPLETE BACHELOR'S DEGREE	Total Credit Hours
<b>BACHELOR'S DEGREE TOTAL:</b>	<b>122</b>

SPECIAL NOTES
<p>For more information, please contact: College of Arts and Science Advising Office (419) 372-2015 contactcas@bgsu.edu</p>

### SAMPLE DEGREE MAP

#### THIRD YEAR

SEMESTER 5		SEMESTER 6	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
MDC 1	3	MDC 2	3
Foreign Language III	3	Foreign Language IV	3
MATH 3220 Discrete Mathematics	3	MATH 3280 Mathematical Foundations and Techniques	3
Minor Course	3	MATH 3000/4000-Level Elective	3
Minor Course	3	Minor Course	3
<b>Total Semester 5 Credit Hours</b>	<b>15</b>	<b>Total Semester 6 Credit Hours</b>	<b>15</b>

#### FOURTH YEAR

SEMESTER 7		SEMESTER 8	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
MDC 3000/4000	3	MDC 3000/4000	3
MATH 4030 Modern Algebra I	3	MATH 4650 Introduction to Real Analysis I	3
MATH 3000/4000-Level Elective	3	Minor Course	3
Minor Course	3	Minor Course	3
Minor Course	3	Elective	3
<b>Total Semester 7 Credit Hours</b>	<b>15</b>	<b>Total Semester 8 Credit Hours</b>	<b>15</b>