

Mathematics

Associate of Science to Bachelor of Science

July 24, 2018

GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER MODULE		Minimum Credit Hours
ENGLISH COMPOSITION AND ORAL COMMUNICATION:		3
Course 1:	Any OTM approved First Writing (TME001) course	3
MATHEMATICS, STATISTICS, AND LOGIC:		4-5
Course 1:	Calculus I (TMM005) ¹	4-5
ARTS AND HUMANITIES:		6
+ Course 1:	Any OTM approved Arts and Humanities course	3
+ Course 2:	Any OTM approved Arts and Humanities course	3
SOCIAL AND BEHAVIORAL SCIENCES:		6
+ Course 1:	Any OTM approved Social and Behavioral Sciences course	3
+ Course 2:	Any OTM approved Social and Behavioral Sciences course	3
NATURAL SCIENCES:		7-10
Course 1:	Calculus-based Physics I with lab (OSC016)	4-5
Course 2:	Calculus-based Physics II with lab (OSC017) or any OTM approved Natural Sciences course	3-5
ADDITIONAL CREDITS:²		10-11
Course 1:	Any OTM approved Second Writing (TME002) course	3
Course 2:	Calculus II (TMM006)	4-5
Course 3:	Up to 3 additional hours of OTM approved courses	3
GENERAL EDUCATION/OHIO TRANSFER MODULE TOTAL:		36-40
<p>Advising Notes: Where it indicates "Any OTM approved," students should work closely with their advisors. (+) indicates that the courses chosen should be from two different areas within that category. ¹ A prerequisite, such as College Algebra (TMM001), may be needed for a student to reach Calculus I (TMM005). ² Due to the variability across institutions, students should work with their academic advisor to determine an appropriate program of study and appropriate amount of additional credits to satisfy the OTM.</p>		

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PRE-MAJOR/BEGINNING MAJOR		Minimum Credit Hours
Course 1:	Calculus III (OMT018)	4-5
Course 2:	Elementary Linear Algebra (OMT019)	3-4
Course 3:	Elementary Differential Equations (OMT020)	3-4
PRE-MAJOR/BEGINNING MAJOR TOTAL:		10-13

OTHER REQUIREMENTS		Minimum Credit Hours
Electives:	General Electives as needed (May include FYE or Orientation course) ¹	7-12
OTHER REQUIREMENTS TOTAL:		7-12

Advising Notes:

¹ Certain institutions may require two semesters or more of foreign language for Bachelor of Arts and Bachelor of Science degrees. If so, foreign language should be taken – check with your receiving institution. Additional recommended pre-major/major coursework may include a course in programming or proofs. Consult with your academic advisor and your receiving institution to determine an appropriate program of study.

ASSOCIATE DEGREE	Total Credit Hours
ASSOCIATE DEGREE TOTAL:	60-65

SPECIAL NOTES
<p>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.</p> <p>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.</p> <p>Some bachelor-degree granting institutions require additional general education courses outside of the Ohio Transfer Module and students may be required to take these courses in their junior or senior year. Students will still be able to follow this pathway and complete their bachelor's degree in approximately 60 additional credit hours.</p>