



OHIO
UNIVERSITY

College of Arts and Sciences Applied Mathematics BS 3103

The scheduling scenario below is intended to present an example pattern by which this major can be completed in three years. Those interested in pursuing this option need to work with an academic advisor to develop a specific plan to earn the 120 credit hours required for graduation.

The following schedule is suggested for students entering the program in the freshman year with significant AP or dual credit. It is only a suggestion.

To be completed before attending Ohio U (AP credits, College Credit Plus, IB, etc.): Calculus I and Statistics (8 credit hours).

Also suggested: Other AP or Dual Credit Courses that will satisfy College requirements, such as: Chemistry, Physics, Biology, English, Economics, History and Foreign Language.

BS 3103

Semester 1: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
MATH 2302 Calculus II	4		
MATH 3050 Discrete Math (or CS 3000)	3		
Foreign Language**	4		
A&S Soc Sci	3		
A&S Nat Sci	3		
Total hours for semester	17		

Semester 2: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
MATH 3300 Calculus III	4		
English Composition (ENG 1510 or 1610)	3		
Foreign Language**	4		
A&S Soc Sci / Gen Ed 2SS	3		
A&S Nat Sci / Gen Ed 2NS	3		
Total hours for semester	17		

Semester 3: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
MATH 3400 Diff Eqns	3		
MATH 3070 Number Theory (or other MATH 3XXX or 4XXX)	3		

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
A&S Hum	3		
Field of Application	3		
Gen Ed 2FA	3		
Total hours for semester	15		

Semester 4: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
MATH 3500 Probability (or other MATH 3XXX or 4XXX)	3		
MATH 3210 Linear Alg (or other MATH 3200)	3		
MATH 4XXX Elective	3		
Field of Application	3		
Junior Composition (in Arts & Sciences, if possible)	3		
Total hours for semester	15		

Semester 5: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
MATH 4600 Num Analysis	3		
MATH 4993 Math Seminar I*	1		
A&S Hum / Gen Ed 2HL	3		
Field of Application	3		
A&S Natural Science	3		
1 Elective	3		
Total hours for semester	16		

Semester 6: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
MATH 4XXX Elective	3		
MATH 4994 Math Seminar II*	2		
Gen Ed 2CP	3		
A&S Hum	3		
Field of Application	3		
A&S Social Science	3		
Total hours for semester	17		

Total credit hours: 97. Credits needed for graduation: 120. Students must enter with 8 semester hours of Math and 15 hours of general education requirements.

**You should take a foreign language placement test when you arrive at OHIO. If you place into 2XXX or higher you are finished with the language requirement. Further language courses may count for other requirements.

Some courses may be used for both Field of Application and A&S Nat Sci or Soc Sci credit.

*MATH 4993/4994 (Math Seminar I & II) together are a Tier III equivalent. You can take a Tier III course in another department instead.

MATH 3070 and 3500 are not required, but recommended.

Most required courses are offered every semester. Some upper level courses and electives are offered only during specific terms.

MATH 3200 Applied Linear Algebra can be used as a prerequisite instead of MATH 3210. Math majors are strongly encouraged to take 3210.

MATH 4100, 4100L and 4150 do not count toward math requirements in this program.