



## College of Arts and Sciences

### Mathematics B.S.

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 a significant AP or dual credit. It is only a suggestion.

To be completed before attending Ohio University (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 3101

#### Semester 1: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
MATH 2303 Calculus II	4		
MATH 3050 Discrete Math (or CS 3000)	3		
Foreign Language <sup>2</sup>	4		
Gen Ed 2FA	3		
A&S NatSci	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		
MATH 3XXX elective such as MATH 3070 Number theory	3		
Foreign Language <sup>2</sup>	4		
ENG 1510 OR ENG 1610	3		
A&S NatSci / GenEd 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 3210 OR MATH 3200	3		
MATH 3400 Diff Eqns	3		
A&S Hum	3		
A&S NatSci	3		
GenEd 2CP	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 3XXX OR MATH 4XXX	3		
MATH 4310 Complex Var	3		
A&S Hum / GenEd 2HL	3		
A&S SocSci	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 4993 Math Seminar I <sup>1</sup>	1		
MATH 4221 Mod Alg I	3		
MATH 4301 Adv Calc	3		
A&S SocSci / GenEd 2SS	3		
Two Electives	6		
Total hours for semester	16		

**Semester 6: Spring**

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
MATH 4994 Seminar II <sup>1</sup>	2		
Two Math Electives (3XXX or 4XXX)	6		
A&S Hum	3		
A&S SocSci	3		
Two Electives	6		
Total hours for semester	20		

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.

<sup>1</sup> MATH 4993/4994 (Math Seminar I & II) together are a Tier III equivalent. You can take a Tier III course in another department instead.

<sup>2</sup> You should take a foreign language placement test when you arrive at Ohio University. If you place into 3110 or higher, you are finished with the language requirement. If not, students must have credit for LANG 2120 (in some language).

MATH 3070 and MATH 3500 are not required, but recommended.

Most required courses are offered every semester. Some 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 towards math requirements in this program.