B.S. in Mathematics (Sample Program for Standard Degree)

| 2018-2019

Below is a sample program for students completing the B.S. in Mathematics (Standard Degree). In addition to the coursework below, the student must fulfill the University Baccalaureate Core and College of Science Requirements. See the OSU General Catalog for details.

Many required courses for the B.S. in Mathematics are in high demand and have limited capacity. There is no guarantee that a course will be available to the student in the term indicated below. Some flexibility on the student's part is expected.

	Fall		Winter		Spring	
First Year	MTH 251: Differential Calculus MTH 199: Orientation Course	4 1	MTH 252: Integral Calculus	4	MTH 253: Infinite Sequences and Series	4
Second Year	MTH 254: Vector Calculus I PH 211: General Physics with Calculus PH 221: Recitation for Physics	4 4 1	MTH 255: Vector Calculus II MTH 341: Linear Algebra I	4 3	MTH 256: Applied Differential Equations MTH 355: Discrete Mathematics	4 3
Third Year	MTH 311: Advanced Calculus MTH 342: Linear Algebra II	4 4	MTH 312: Advanced Calculus MTH 343: Introduction to Modern Algebra	4 3	MTH Writing Intensive Course** MTH 400 level course*	3 3
Fourth Year	MTH 400 level course* MTH 400 level course*	3 3	MTH 400 level course* MTH 400 level course*	3 3	Elective in Math Sciences Elective in Math Sciences	3-4 3-4

*** Area Coursework:** The five courses labeled "MTH 400 level course" must come from exactly four distinct mathematical areas to satisfy both the breadth and depth requirement. See the OSU General Catalog or the Undergraduate Handbook for details.

****Writing Intensive Course (WIC) Requirement**: MTH 323, MTH 333 and MTH 338 can be used to satisfy the WIC requirement of the baccalaureate core.

Computational Requirement: The curriculum must include at least one course from the following list:
MTH 321, MTH 351, MTH 440, MTH 441, MTH 451, and MTH 452.

B.S. in Mathematics with an Option: In addition to the standard degree, the math department offers a B.S. in Math with four possible options, each with distinct requirements.