

Mathematics

Please refer to the current [Undergraduate Academic Catalog](#) to see the course descriptions and a major description with requirements for Mathematics.

New students considering a major in mathematics should select an appropriate beginning mathematics course, usually **Calculus I, II or III** (MATH 121, 122, or 223). In addition, prospective majors should complete **Introduction to Discrete Mathematics** (Math 201) during their freshman year. Students interested in certifying to teach PreK-6 are recommended to sign up for **Finite Mathematics** (MATH 110). Please note: Only students who are certain that their intended major does not require a specific mathematics course should register for MATH 110.

Students admitted to the Honors Program should consider the **honors section of Calculus II** (Math 122HR) which runs every semester.

For help choosing an introductory level mathematics course, please visit "[Which Mathematics Course Should You Take?](#)" on the [Mathematics Department's website](#).

Below please find some examples of first semester schedules for a Mathematics major. There are many variations of a first semester schedule; the examples are just meant to help you see that there are many ways to reach the same goals.

For information about the General Education Requirements met below visit the [General Education Requirements](#) website.

Example 1: Prospective Mathematics Major ready for Calculus I

Course (credits)	Requirement(s) Met
1. MATH 121** - Calculus I (3)	Major Prerequisite, QR
2. GEOG 102 - Intro to Human Geography (3)	GI
3. COMM 209 - Argumentation (3)	ALPP, SI*
4. LATN 101** - Elementary Latin (3)	FL
5. FSEM 100D3 – Escher Math (3)	FSEM

Example 2: Prospective Mathematics Major ready for Calculus II

Course (credits)	Requirement(s) Met
1. MATH 122** - Calculus II (3) Or MATH 122HR** - Honors Calculus II (3)	Major Prerequisite, QR
2. FSEM 100D – Mathematics of Chaos (3)	FSEM
3. PHYS 105** - University Physics with Lab (4)	Major Elective, NS
4. CLAS 101 - Ideas & Cult.: Classical (3)	HES
5. DANC 123A - Beginning Modern Dance (1)	Elective

Example 3: Athletes for varsity sports must register for the 400-level course of the sport. Practice times for varsity sports can vary, but generally speaking, athletes should allow for enough time to get to and from practice on weekdays from 3 - 6 p.m. Please check with the individual coach for your sport to verify specific practice times each semester.

Course (credits)	Requirement(s) Met
1. MATH 121** - Calculus I (3)	Major Prerequisite, QR
2. BIOL 121 - Biology Concepts I with Lab (4)	NS
3. RELG 103 - The Abrahamic Religions (3)	HES
4. ENGL 205 – Art of Literature (3)	ALPA
5. PHYD 407 - Intercollegiate Cross Country - Women (1)	Elective

*These paths assume fall matriculation. Students entering in the spring semester will make appropriate adjustment for sequencing issues.

**Please note that not all sections of a course may have the Across-the-Curriculum (ATC) attribute(s). Across-the-Curriculum designations for a course are dependent on instructor and semester. ATC designations for each course are listed in the Banner description for the semester in which you are registering.*

***This particular course is in a discipline that allows students with demonstrated competence upon admission to UMW (such as AP/IB credit, dual enrollment, etc.) to begin courses at a higher level. Please read the Academic Planning Guide carefully to see if you meet the requirements. For example: students may begin at any level language course for which they feel prepared (101, 102, 105, 201, 202 or 205), but must then complete the rest of the sequence in order without repeating or skipping any levels.*