High School and University Mathematics Requirements for Pursuing a *Major or Honors Specialization* in Psychology at Western

Students who plan to pursue an Honors Specialization or a Major module in Psychology at Western are required to successfully complete 1.0 credit (or two 0.5 credit courses) in first year Mathematics at Western. For the **Honors Specialization modules**, students must obtain a minimum of 60% in their first year Math to be eligible for entry. For the **Major module**, students also need the first year Math requirement, but may declare the Psychology Major without having yet done the 1.0 Math credit. However, Major students should complete it as soon as possible, as the Math is a prerequisite for important Psychology Major module courses.

Students have the option of selecting from among a number of Math courses outlined on Page 2. The recommended combination of courses is Mathematics 1228A/B and Statistical Sciences 1024A/B.

All of these Western math courses have certain **high school prerequisites**. Generally speaking, students who have successfully completed at least **ONE** of the following Ontario high school math courses will be able to register for most of these university courses:

- **MCV4U Calculus and Vectors**
- or **MDM4U Mathematics of Data Management**
- or **MHF4U Advanced Functions**

**NOTE:** Students who have not completed any of the above but have successfully completed **MCF3M Functions** or **MCR3U Functions and Relations**, should register for Mathematics 0110A/B or Mathematics 1229A/B during their first term at Western. During the second term, they may register for either Mathematics 1228A/B or Statistical Sciences 1024A/B.

**We invite you to visit our website to learn more about what Psychology has to offer you**
[www.psychology.uwo.ca](http://www.psychology.uwo.ca)
UWO Mathematics courses
(The recommended combination for Psychology is Math 1228A/B plus Statistics 1024A/B, however a student may do any combination of two of the below listed half courses)

Mathematics 0110A/B - Introductory Calculus
Prerequisite(s): One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent.

Mathematics 1225A/B - Methods of Calculus
Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 0110A/B, Calculus 1000A/B, 1100A/B.

Mathematics 1228A/B – Methods of Finite Mathematics
Prerequisite(s): One or more of Ontario Secondary School MCV4U, MHF4U, MDM4U, Mathematics 0110A/B, 1225A/B, 1229A/B.

Mathematics 1229A/B - Methods of Matrix Algebra
Prerequisite(s): One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent.

Mathematics 1600A/B – Linear Algebra 1
Prerequisite(s): One or more of Ontario Secondary School MCV4U, or equivalent.

Statistical Sciences 1024A/B - Introduction to Statistics
Prerequisite(s): Grade 12U Mathematics or Mathematics 0110A/B or Mathematics 1229A/B.

Calculus 1000A/B - Calculus I
Prerequisite(s): One or more of Ontario Secondary School MCV4U, or Mathematics 0110A/B.

Calculus 1100A/B - Calculus I with Fundamentals
Prerequisite(s): One or more of Ontario Secondary School MHF4U, MCV4U, or Mathematics 0110A/B.

Calculus 1301A/B - Calculus II
Prerequisite(s): A minimum mark of 55% in one of Calculus 1000A/B or 1100A/B.

Calculus 1500A/B - Calculus I for Mathematical Sciences
Prerequisite(s): One or more of Ontario secondary school MCV4U, Mathematics 0110A/B

Calculus 1501A/B - Calculus II for Mathematical and Physical Sciences
Prerequisite(s): A minimum mark of 60% in one of Calculus 1000A/B or 1100A/B.

Applied Mathematics 1201A/B - Calculus and Probability with Biological Applications
Prerequisite(s): One or more of Calculus 1000A/B, 1100A/B or Mathematics 1225A/B.