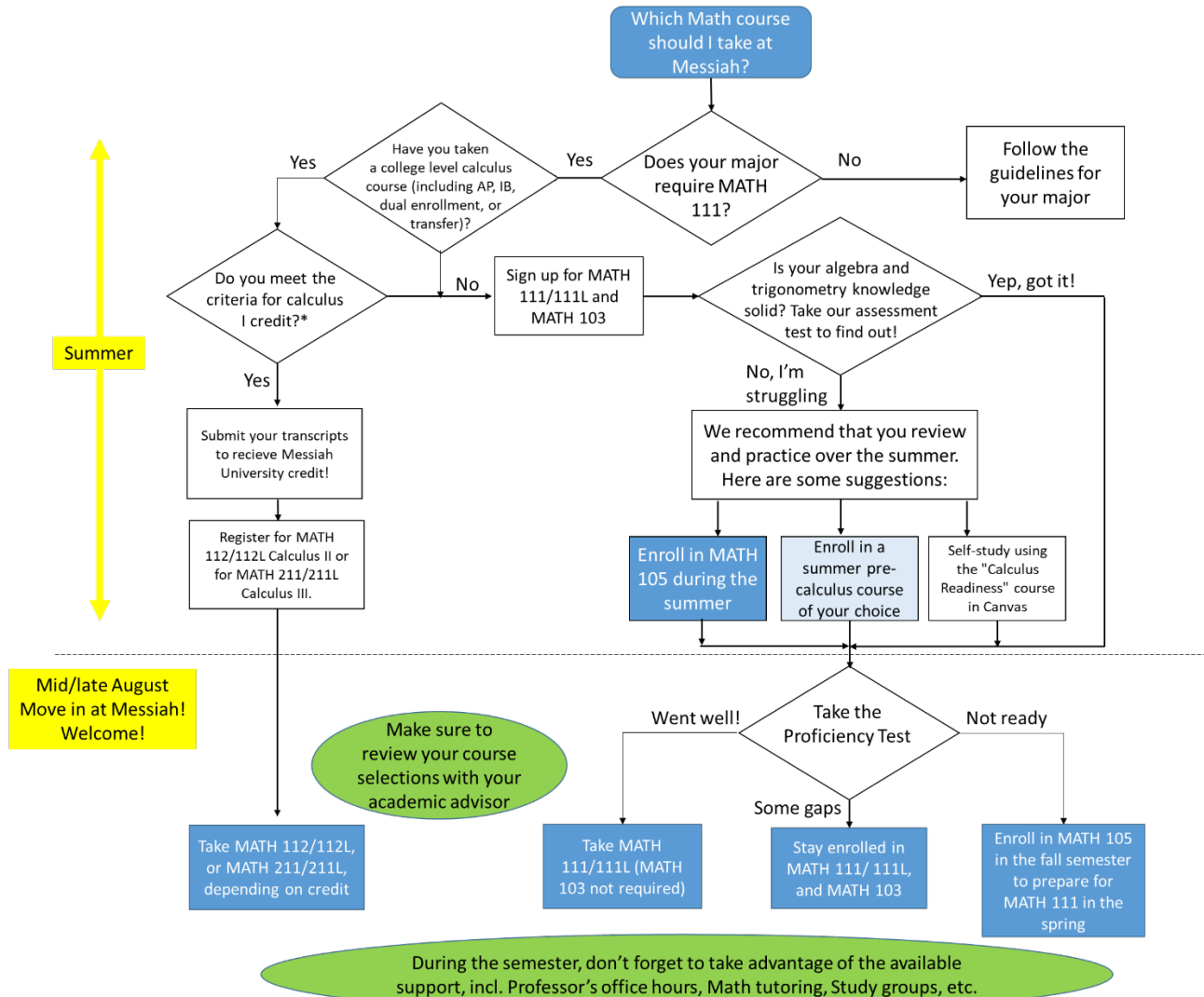


Guidelines for Calculus Courses at Messiah University

Messiah University offers a traditional Calculus course sequence (MATH 111 Calculus I, MATH 112 Calculus II, MATH 211 Calculus III). Each of these courses has an accompanying “L – Lab” section for applied problem-solving work. Proficiency in high school-level algebra and trigonometry is necessary for success in Calculus I. For students who lack sufficient background to succeed in MATH 111, we offer two additional resources:

1. MATH 103, Supplemental Calculus, a one-credit course taken concurrently with MATH 111. MATH 103 covers important pre-requisite skills in algebra and trigonometry, focusing on topics as they become relevant in the MATH 111 course.
2. MATH 105, Pre-calculus for the Science, a three-credit traditional pre-calculus course, intended to provide a foundation in algebra and trigonometry before taking calculus. This course also satisfies the general education mathematical sciences requirement.

The following flowchart is intended to guide you through the best course sequence for yourself:



All students registered for MATH 111/111L sit for a proficiency exam during the first week of the semester. The results determine the student's best course placement and sequence.

Should you have questions, please contact Dr. Niklas Hellgren, Department Chair Computing, Mathematics, Physics nhellgren@messiah.edu or 717.796.1800 ext. 2082.

More information about preparing for Calculus can be found at: [Getting Ready](#)