

## Trinity Advisers and Mathematics

These guidelines are intended for students considering an entry level mathematics course. Students are not required to enroll in mathematics their first semester, but the majority do. If needed, please ask for clarification as you advise.

- **Deficiencies:** A few students arrive with a mathematics deficiency, which is indicated in the student's folder. These students are strongly encouraged to complete during their first year at Trinity coursework sufficient to fulfill this requirement, either MATH 1301 Precalculus (preparation for Calculus) or MATH 1330 Introduction to Modern Mathematics (all others).
- **Credit:** The student's admission record will indicate if Calculus credit is earned. The most common method is to award credit for MATH 1311 and/or 1312 for a score of 4 or 5 on the Advanced Placement AB and/or BC exam, respectively\*. No credit is awarded for a score of 3. Other pathways to Calculus credit are possible; please ask if there are questions.
- **Assessment:** All students without calculus credit must take the mathematics assessment. Most take it before arriving, but those who do not may take it online before the end of Saturday, 8/18/07, by going to <http://lagrange.math.trinity.edu/tumath/students/assessment.shtml>
- **Advising:** Advisers will receive on Monday, 8/20/07, one of the following recommendations for each advisee who has taken the mathematics assessment.
  - “Mathematics Assessment: The student should take MATH 1301 Precalculus before considering coursework in Calculus.”
  - “Mathematics Assessment: Preparation for Calculus is inconclusive. The adviser should make a recommendation based on the student's confidence, motivation and mathematical background.”
  - “Mathematics Assessment: The student is prepared for MATH 1307 Calculus A or MATH 1311 Calculus I and may enroll for either course.”
  - “Mathematics Assessment: The student is prepared for MATH 1312 Calculus II and may enroll for this course.”
- **Inconclusive Assessment:** If the mathematics assessment is inconclusive, the adviser should guide the student to one of MATH 1301 Precalculus, MATH 1307 Calculus A or MATH 1311 Calculus I. Here is a possible scenario. The student assessment was inconclusive, and the student either scored 3 on the Advanced Placement AB exam or earned an A or B in high school Calculus. This indicates experience with calculus, and if the student so desires, she or he can register for MATH 1307 Calculus A or MATH 1311 Calculus I. If the student is less confident and/or lacks experience with calculus, the student should consider MATH 1301 Precalculus before considering Calculus.

\* The BC exam includes an AB subscore, and a 4 or 5 subscore equates to credit for MATH 1311 Calculus.