

**Proposal to Change Math Credit Awarded for
International Baccalaureate Exams**

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In 2020-2021, the International Baccalaureate (IB) program changed its Math curriculum, resulting in the need to reevaluate how the scores on the IB Math exams translate into TCU course credit. Previously, TCU awarded Math credit for a score of 6 or 7 (out of 7) on the IB Standard Level (SL) or Higher Level (HL) Math exams. As part of the recent changes, the IB program split into two Math curricula, “Applications & Interpretations” and “Analysis & Approaches,” each of which has both a Standard Level and a Higher Level version. The new Applications & Interpretations curriculum is aimed mostly at non-STEM students, while the new Analysis & Approaches curriculum is aimed at STEM students.

Based on the new curricula, we propose the following changes to the credit awarded.

Old Version (requires score of 6-7 out of 7):

Standard Level	Math 10000 (generic core credit) – 4 hrs
Higher Level	Math 10000 (generic core credit) – 4 hrs, and Math 10524 Calculus I – 4 hours

Proposed New Version (requires score of 6-7 out of 7):

Applications & Interpretations	Standard Level	Math 10043 – Elementary Statistics (3 hours)
Applications & Interpretations	Higher Level	Math 10043 – Elementary Statistics (3 hours)
Analysis & Approaches	Standard Level	No credit
Analysis & Approaches	Higher Level	Math 10524 Calculus I – 4 hours

The most significant change from the old curricula is that the Applications & Interpretations curriculum now cover significant amounts of statistics, so we recommend awarding Math 10043 Elementary Statistics credit for high scores on those exams. Analysis & Approaches Higher Level also contains the material of Calculus I, so we continue to recommend Math 10524 credit for that.

The other change is that we are no longer recommending Math 10000 (generic Math core credit) for any of the exams, nor more than 4 hours of credit for any exam. This is consistent both with department and TCU Core policy to not award Mathematical Reasoning core credit for algebra and precalculus material. It is also more consistent with our treatment of credit for AP exams, where we also do not award any TCU credit for algebra or precalculus material and award only 4 hours of credit in the scenarios in which students receive credit for Calculus I. Please note that Math 10043 and Math 10524 do both satisfy the Core Curriculum Mathematical Reasoning requirement.