

Math Prerequisites in Texas

I. The following courses are required of all students

Course	Prerequisite	CTE Course?
Algebra I	Mathematics, Grade 8 or its equivalent	No
Geometry	Algebra I*	No

II. The following courses may only count as a third credit toward toward graduation per [Texas Administrative Code §74.12\(b\)\(2\)\(A\)](#).

Course	Prerequisite	CTE Course?
Mathematical Models with Applications	Algebra I	No
Mathematical Applications in Agriculture, Food, and Natural Resources	Algebra I; Recommended: one credit in from Texas Administrative Code §130.A	Yes
Digital Electronics	Algebra I and Geometry	Yes
Financial Mathematics	Algebra I	Yes
Applied Mathematics for Technical Professionals	Algebra I and Geometry	Career Dev.
Accounting II	Accounting I	Yes
Manufacturing Engineering Technology II	Manufacturing Engineering Technology I Recommended: Algebra II, Computer Science I, or Physics	Yes
Robotics II	Robotics I	Yes

III. The following courses may count for either the third or fourth credit toward toward graduation per [Texas Administrative Code §74.12\(b\)\(2\)\(B\)](#) and [§74.13\(e\)\(2\)](#).

Course	Prerequisite	CTE Course?
Algebra II	Algebra I	No
Precalculus	Algebra I, Geometry, and Algebra II	No
Advanced Quantitative Reasoning	Geometry and Algebra II	No
Independent Studies in Mathematics	Geometry and Algebra II	No
Discrete Mathematics for Problem Solving	Algebra II	No
Algebraic Reasoning	Algebra I	No
Statistics	Algebra I	No
Advanced Placement (AP) Statistics	Recommended: Algebra II & Geometry	No
AP Precalculus	Recommended: Algebra II & Geometry	No
AP Calculus AB	Recommended: Precalculus	No
AP Calculus BC	Recommended: Precalculus	No
International Baccalaureate (IB) Mathematics: Analysis and Approaches Standard Level	Recommended: Algebra II & Geometry	No
IB Mathematics: Analysis and Approaches Higher Level	Recommended: Algebra II & Geometry	No

IB Mathematics: Applications and Interpretations Standard Level	Recommended: Algebra II & Geometry	No
IB Mathematics: Applications and Interpretations Higher Level	Recommended: Algebra II & Geometry	No
AP Computer Science A	Recommended: Algebra I	Yes
IB Computer Science Higher Level	Recommended: Computer Science I and Algebra II	Yes
Engineering Mathematics	Algebra II	Yes
Statistics and Business Decision Making	Algebra II	Yes
Mathematics for Medical Professionals	Geometry and Algebra II	Yes
Discrete Mathematics for Computer Science	Algebra II	Yes
Pursuant to Texas Education Code (TEC) §28.025(b-5)	Algebra II	No
Pursuant to TEC §28.002(g-1)	Algebra I and Geometry	No

IV. The following course may only count as a fourth mathematics credit toward graduation per [Texas Administrative Code §74.13\(e\)\(4\)](#).

Course	Prerequisite	CTE Course?
College Preparatory Mathematics – TEC §28.014	Any three mathematics classes	No