Chapter 111. Texas Essential Knowledge and Skills for Mathematics

Subchapter D. Other High School Mathematics Courses

Statutory Authority: The provisions of this Subchapter D issued under the Texas Education Code, §§7.102(c)(4), 28.002, and 28.025, unless otherwise noted.

§111.51. Implementation of Texas Essential Knowledge and Skills for Mathematics, Other High School Mathematics Courses.

The provisions of this subchapter shall be implemented by school districts.

Source: The provisions of this §111.51 adopted to be effective September 1, 1998, 22 TexReg 7623; amended to be effective September 10, 2012, 37 TexReg 7109; amended to be effective September 10, 2012, 37 TexReg 7109.

§111.52. Independent Study in Mathematics (One-Half to One Credit).

(a) General requirements. Students can be awarded one-half to one credit for successful completion of Independent Study in Mathematics. Required prerequisites: Algebra II, Geometry. Students may repeat this course with different course content for up to three credits.

(b) Content requirements. Students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics, such as theory of equations, number theory, non-Euclidean geometry, advanced survey of mathematics, or history of mathematics. The requirements for each course must be approved by the local district before the course begins.

(c) If this course is being used to satisfy requirements for the Distinguished Achievement Program, student research/products must be presented before a panel of professionals or approved by the student's mentor.

Source: The provisions of this §111.52 adopted to be effective September 1, 1998, 22 TexReg 7623; amended to be effective July 12, 2010, 35 TexReg 6069.

§111.53. Advanced Placement (AP) Statistics (One-Half to One Credit).

(a) General requirements. Students can be awarded one-half to one credit for successful completion of this course. Recommended prerequisites: Algebra II, Geometry.

(b) Content requirements. Content requirements for Advanced Placement (AP) Statistics are prescribed in the College Board Publication Advanced Placement Course Description: Statistics, published by The College Board. This publication may be obtained from the College Board Advanced Placement Program.

Source: The provisions of this §111.53 adopted to be effective September 1, 1998, 22 TexReg 7623.

§111.54. Advanced Placement (AP) Calculus AB (One-Half to One Credit).

(a) General requirements. Students can be awarded one-half to one credit for successful completion of this course. Recommended prerequisite: Precalculus.

(b) Content requirements. Content requirements for Advanced Placement (AP) Calculus AB are prescribed in the College Board Publication Advanced Placement Course Description Mathematics: Calculus AB, Calculus BC, published by The College Board. This publication may be obtained from the College Board Advanced Placement Program.

Source: The provisions of this §111.54 adopted to be effective September 1, 1998, 22 TexReg 7623.

§111.55. Advanced Placement (AP) Calculus BC (One-Half to One Credit).

(a) General requirements. Students can be awarded one-half to one credit for successful completion of this course. Recommended prerequisite: Precalculus.

(b) Content requirements. Content requirements for Advanced Placement (AP) Calculus BC are prescribed in the College Board Publication Advanced Placement Course Description: Calculus AB, Calculus BC, published by The College Board. This publication may be obtained from the College Board Advanced Placement Program.

Source: The provisions of this §111.55 adopted to be effective September 1, 1998, 22 TexReg 7623.

§111.56. IB Mathematical Studies Standard Level (One-Half to One Credit).

(a) General requirements. Students can be awarded one-half to one credit for successful completion of IB Mathematical Studies Standard Level. To offer this course, the district must meet all requirements of the International Baccalaureate Organization, including teacher training/certification and IB assessment. Recommended prerequisites: Algebra II, Geometry.

(b) Content requirements. Content requirements for IB Mathematical Studies Standard Level are prescribed by the International Baccalaureate Organization. Curriculum guides may be obtained from International Baccalaureate of North America.

Source: The provisions of this §111.56 adopted to be effective September 1, 1998, 22 TexReg 7623; amended to be effective October 21, 2007, 32 TexReg 7262.

§111.57. IB Mathematics Standard Level (One-Half to One Credit).

(a) General requirements. Students can be awarded one-half to one credit for successful completion of IB Mathematics Standard Level. To offer this course, the district must meet all requirements of the International Baccalaureate Organization, including teacher training/certification and IB assessment. Recommended prerequisites: Algebra II, Geometry.

(b) Content requirements. Content requirements for IB Mathematics Standard Level are prescribed by the International Baccalaureate Organization. Curriculum guides may be obtained from International Baccalaureate of North America.

Source: The provisions of this §111.57 adopted to be effective September 1, 1998, 22 TexReg 7623; amended to be effective October 21, 2007, 32 TexReg 7262.

§111.58. IB Mathematics Higher Level (One-Half to One Credit).

(a) General requirements. Students can be awarded one-half to one credit for successful completion of IB Mathematics Higher Level. To offer this course, the district must meet all requirements of the International Baccalaureate Organization, including teacher training/certification and IB assessment. Recommended prerequisite: IB Mathematical Studies Standard Level or IB Mathematics Standard Level.

(b) Content requirements. Content requirements for IB Mathematics Higher Level are prescribed by the International Baccalaureate Organization. Curriculum guides may be obtained from International Baccalaureate of North America.

Source: The provisions of this §111.58 adopted to be effective September 1, 1998, 22 TexReg 7623; amended to be effective October 21, 2007, 32 TexReg 7262.

§111.59. IB Further Mathematics Higher Level (One-Half to One Credit).

(a) General requirements. Students can be awarded one-half to one credit for successful completion of IB Further Mathematics Higher Level. To offer this course, the district must meet all requirements of the International Baccalaureate Organization, including teacher training/certification and IB assessment. Recommended prerequisite: IB Mathematics Higher Level.

(b) Content requirements. Content requirements for IB Further Mathematics Higher Level are prescribed by the International Baccalaureate Organization. Curriculum guides may be obtained from International Baccalaureate of North America.

Source: The provisions of this §111.59 adopted to be effective September 1, 1998, 22 TexReg 7623; amended to be effective October 21, 2007, 32 TexReg 7262; amended to be effective September 10, 2012, 37 TexReg 7109; amended to be effective September 10, 2012, 37 TexReg 7109.

§111.60. Concurrent Enrollment in College Courses.

(a) General requirements. Students shall be awarded at least one-half credit for each semester of successful completion of a college course in which the student is concurrently enrolled while in high school.

(b) Content requirements. In order for students to receive state graduation credit for concurrent enrollment courses, content requirements must meet or exceed the essential knowledge and skills in a given course.

Source: The provisions of this §111.60 adopted to be effective September 1, 1998, 22 TexReg 7623; amended to be effective July 12, 2010, 35 TexReg 6069.

§111.61. Other Courses for Which Students May Receive Mathematics Credit.

(a) Mathematical Applications in Agriculture, Food, and Natural Resources. Students on the minimum high school program or recommended high school program shall be awarded one credit in mathematics for successful completion of this course as described in §130.10 of this title (relating to Mathematical Applications in Agriculture, Food, and Natural Resources (One Credit)) and in accordance with the graduation requirements in Chapter 74 of this title (relating to Curriculum Requirements). Recommended prerequisite: a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster.

(b) Engineering Mathematics. Students shall be awarded one credit in mathematics for successful completion of this course as described in §130.367 of this title (relating to Engineering Mathematics (One Credit)). Prerequisite: Algebra II. This course is recommended for students in Grades 11 and 12.

(c) Statistics and Risk Management. Students shall be awarded one credit in mathematics for successful completion of this course as described in §130.169 of this title (relating to Statistics and Risk Management (One Credit)). Recommended prerequisites: Accounting I and Algebra II. This course is recommended for students in Grades 11 and 12.

(d) Advanced Placement (AP) Computer Science A. Students may be awarded one mathematics credit for successful completion of this course. Content requirements for Advanced Placement (AP) Computer Science A are prescribed in the College Board Publication Advanced Placement Course Description: Computer Science A, published by The College Board. This publication may be obtained from the College Board Advanced Placement Program.

Source: The provisions of this §111.61 adopted to be effective July 12, 2010, 35 TexReg 6069.