**Coursework Requirements per 19 TAC Chapter 74, Subchapter B**

**Foundation Graduation Plan**

Effective 8/22/2016

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| **Content Area** | **Rule** |
| English Language Arts | Advanced English course after successful completion of English I, II, and III |
| Mathematics | Advanced mathematics course to be taken after successful completion of  Algebra I and geometry |

(j)  A student may not be enrolled in a course that has a **required** prerequisite unless:

(1)  the student has successfully completed the prerequisite course(s);

(2)  the student has demonstrated equivalent knowledge as determined by the school district; or

(3)  the student was already enrolled in the course in an out-of-state, an out-of-country, or a Texas nonpublic school and transferred to a Texas public school prior to successfully completing the course.

(k)  A district may award credit for a course a student completed without meeting the prerequisites if the student completed the course in an out-of-state, an out-of-country, or a Texas nonpublic school where there was not a prerequisite.

**Prerequisite coursework per Texas Essential Knowledge and Skills**

**All High School Programs**

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| **Content Area** | **Course** | **Prerequisite Course** |
| English Language Arts | AP English Language and Composition | English II (recommended) |
| AP English Literature and Composition | English III (recommended)  or AP English Language and Composition (recommended) |
| IB Language Studies A1 SL | English II (recommended) |
| IB Language Studies A1 HL | IB Language Studies A1 SL (recommended) |
| Mathematics | Geometry | Algebra I (**required**) |
| Mathematical Models with Applications (MMA) | Algebra I (**required**) |
| Algebra II | Algebra I (**required**) |
| Advanced Quantitative Reasoning (AQR) | Geometry and Algebra II (**required**) |
| Pre-Calculus | Algebra I, Geometry, and Algebra II (**required**) |
| Independent Study in Mathematics | Geometry and Algebra II (**required**) |
| Statistics | Algebra I (**required**) |
| Algebraic Reasoning | Algebra I (**required**) |
| AP Statistics | Algebra II and Geometry (recommended) |
| AP Calculus AB | Precalculus (recommended) |
| AP Calculus BC | Precalculus (recommended) |
| IB Mathematical Studies SL | Algebra II and Geometry (recommended) |
| IB Mathematics SL | Algebra II and Geometry (recommended) |
| IB Mathematics HL | IB Mathematical Studies SL  or IB Mathematics SL |
| Science | Biology | none |
| Integrated Physics and Chemistry | none |
| Chemistry | One unit of HS Science and Algebra I (**required**) |
| Physics | Algebra I (suggested) |
| Aquatic Science | Biology (**required**) and Chemistry (suggested) |
| Earth and Space | Three units of science, one of which may be taken concurrently, and three units of mathematics, one of which may be taken concurrently (**required**) |
| Environmental Systems | One unit of high school life science and one unit of high school physical science (suggested) |
| AP Biology | Biology and Chemistry (recommended) |
| IB Biology SL | Two years of high school laboratory science (Recommended) |
| IB Biology HL | Two years of high school laboratory science (Recommended) |
| AP Chemistry | Chemistry and Algebra II (recommended) |
| IB Chemistry SL | Two years of high school laboratory science (Recommended) |
| IB Chemistry HL | Two years of high school laboratory science (Recommended) |
| AP Physics B | Physics, Algebra I, Algebra II, and Geometry (recommended) |
| AP Physics C | Physics, Algebra I, Algebra II, Geometry, and Calculus |
| IB Physics SL | Two years of high school laboratory science (Recommended) |
| IB Physics HL | Two years of high school laboratory science (Recommended) |
| AP Environmental Science | Algebra I, two years of high school laboratory science including one year of life science and one year of physical science (recommended) |