

English Language Arts 4 credits	Mathematics 3 credits	Social Studies 3 credits	Science 3 credits	Foreign Language 2 credits
English I English II English III Advanced English	Algebra I Geometry Advanced Math	World Geography, World History, or Combined U.S. History Government (1/2) Economics (1/2)	Biology IPC or Advanced Science Additional Advanced Science	Fine Arts -1 credit Physical Education-1 credit Electives -5 credits

Distinguished Program (Eligible for top 10% Automatic Admission) Foundation Plan + Endorsement including 4 credits in science & 4 credits in mathematics to include **Algebra II**

FOUNDATION + ENDORSEMENTS=26 CREDITS

STEM *Algebra II *Chemistry *Physics	BUSINESS & INDUSTRY 1 math or CTE math 1 science or CTE science	ARTS & HUMANITIES 1 math or CTE math 1 science or CTE science	PUBLIC SERVICE 1 math or CTE math 1 science or CTE science	MULTIDISCIPLINARY STUDIES 1 math or CTE math 1 science or CTE science
<p>(a) CTE Program of Study Science, Technology, Engineering & Mathematics Coherent sequence of 4 credits; or</p> <p>(b) Computer Science Coherent sequence of 4 credit; or</p> <p>(c) Mathematics -5 credits Completing Algebra I, Geometry, Algebra II and two additional math courses (Algebra II as a prerequisite); or</p> <p>(d) Science-5 credits By completing Biology, Chemistry, Physics and two additional advance science courses; or</p> <p>(e) Coherent sequence of 3 additional credits no more than 2 areas listed in (a), (b), (c) and (d).</p>	<p>(a) Coherent sequence courses for four or more credits in CTE-at least 2 courses in the same career cluster-1 must be an advanced course: Agriculture, Food, & Natural Resources Architecture & Construction Arts, Audio/Video Technology & Communication Business Management & Administration Transportation, Distribution & Logistics Marketing Information Technology Manufacturing Hospitality & Tourism Finance; or</p> <p>(b) Four English elective credits by selecting 3 levels in one of the following areas (19TAC.§74.11(2b)); or</p> <p>(c) Four technology applications credits (19TAC.§74.11(2c)); or</p> <p>Coherent sequence of 4 credits from (a), (b), or (c).</p>	<p>(a) A total of five social studies credits; or</p> <p>(b) Four levels of the same language in a language other than English; or</p> <p>(c) Two levels of the same language in a language other than English and two levels of a different language in a language other than English; or</p> <p>(d) Four levels of American Sign Language; or</p> <p>(e) coherent sequence of 4 credits by selecting courses from 1 or 2 categories or disciplines in fine arts or innovative courses approved by the commissioner; or</p> <p>(f) Four English elective credits by selecting the following (19TAC.§74.11(4f)).</p>	<p>(a) Coherent sequence courses for four or more credits in CTE-at least 2 courses in the same career cluster-1 must be an advanced course: Education & Training Government & Public Administration Health Science Human Services Law, Public, Safety, Corrections, & Security; or</p> <p>(b) Four courses in Junior Reserve Officer Training Corps (JROTC).</p>	<p>(a) Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in coherent sequences; or</p> <p>(b) Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics (4X4); or</p> <p>(c) Four credits in advanced placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts.</p>

English Language Arts (Advanced Courses)

English IV	Independent Study in Journalism
Independent Study in English	Advanced Broadcast Journalism III
Literary Genres	Advanced Journalism: Newspaper III
Creative Writing	Advanced Journalism: Yearbook III
Research & Technical Writing	AP English Literature and Composition
Humanities	IB Language Studies A1 Higher Level
Public Speaking III	Business English
Oral Interpretation III	Communication Applications (must be combined with another half credit from this list)
Debate III	Locally developed ELA course or other activity (pursuant to TEC, \$28.002(g-1))
Independent Study in Speech	College Prep ELA(pursuant to TEC,\$28.014)

Second Science Credit (Advanced Courses)

Integrated Physics & Chemistry (IPC)	Physics
Chemistry	Principles of Technology
AP Chemistry	AP Physics 1: Algebra-Based
IB Chemistry	IB Physics

Third Science Credit (Advanced Courses)

Fourth Science Credit to Earn an Endorsement

Chemistry	IB Physics
Physics	IB Environmental Systems
Aquatic Science	Advanced Animal Science
Astronomy	Advanced Plant and Soil Science
Earth & Space Science	Anatomy and Physiology
Environmental Systems	Medical Microbiology
AP Biology	Pathophysiology
AP Chemistry	Food Science
AP Physics 1: Algebra-Based	Forensic Science
AP Physics 2: Algebra-Based	Advanced Biotechnology
AP Physics C	Principles of Technology
AP Environmental Science	Scientific Research & Design
IB Biology	Engineering Design & Problem Solving
IB Chemistry	Principles of Engineering
Locally developed science course	science course endorsed by an IHE (pursuant to TEC, \$28.025(b-5))
	TEC, \$28.002(g-1)

Third Mathematics Credit (Advanced Courses)

Mathematical Models with Applications	AP Calculus BC
Mathematical Applications in AFNR	AP Computer Science
Digital Electronics	IB Mathematical Studies Standard Level
Robotics Programming and Design	IB Mathematics SL
Algebra II	IB Mathematics Higher Level (HL)
Precalculus	IB Further Mathematics HL
AQR	Engineering Mathematics
Independent Study in Math	Statistics & Risk Management
Discrete Mathematics for Problem Solving	Discrete Mathematics for Computer Science
AP Statistics	locally developed math course or other activity (pursuant to TEC \$28.002 (g-1))
AP Calculus AB	mathematics course endorsed by an IHE (pursuant to TEC \$28.025 (b-5))
Algebraic Reasoning (in development for implementation in 2015-2016)	Statistics (in development for implementation in 2015-2016)

Fourth Mathematics Credit to Earn and Endorsement

Algebra II	IB Mathematical Studies Standard Level (SL)
Precalculus	IB Mathematics SL
Advanced Quantitative Reasoning	IB Mathematics Higher Level (HL)
Independent Study in Math	IB Further Mathematics HL
Discrete Mathematics for Problem Solving	Engineering Mathematics
AP Statistics	Statistics & Risk Management
AP Calculus AB	Discrete Mathematics for Computer Science
AP Calculus BC	locally developed math course or other activity (pursuant to TEC, \$28.002(g-1))
AP Computer Science	mathematics course endorsed by an IHE (pursuant to TEC, \$28.025(b-5))
*Math Models (for the 2014-2015 school year only)	College Prep Math (pursuant to TEC,\$28.014)
Algebraic Reasoning (in development for implementation in 2015-2016)	Statistics (in development for implementation in 2015-2016)

*NOTE: A course on this list may be taken either before or after one of the following courses: Mathematical Models with Applications, Mathematical Applications in Agricultural Food and Natural Resources, Digital Electronics, Robotics Programming and Design