

Northside ISD - The Endorsements (Subject to Change)

A student must complete the Foundation High School Program (22 credits), one additional math credit, one additional science credit, and two additional elective credits while completing the specific requirements of his/her selected endorsement. **Distinguished Level of Achievement graduates must meet the Foundation Program and earn 4 Math credits including Algebra II, 4 Science credits, and at least 1 Endorsement.**

STEM <i>Science, Technology, Engineering, & Math</i>	Business & Industry	Public Services	Arts & Humanities	Multidisciplinary Studies
<p>Students may earn a STEM endorsement by selecting and completing the requirements from among these <u>5</u> options.</p> <p>Note: Algebra II, Chemistry, and Physics are required for the STEM endorsement regardless of the option the student selects.</p> <p>Option 1: Computer Science Students take 4 computer science courses.</p> <ul style="list-style-type: none"> Fundamentals of Comp. Science Comp Sci. 1 Comp Sci. 2/Comp Sci. A AP/D Advanced Comp Sc. 3 ISM <p>Option 2: CTE Students earn four (4) CTE credits by taking at least two (2) courses in the same cluster. At least one (1) of the courses must be an advanced CTE course (3rd year or higher course in a sequence).</p> <p>Option 3: Math Students take Algebra I, Geometry, and Algebra II AND two (2) of the following courses for which Algebra II is a prerequisite.</p> <ul style="list-style-type: none"> AQR Pre-Calculus Calculus AB or BC Statistics AP Computer Science AP Math ISM College Algebra <p>Option 4: Science Students take Biology, Chemistry, and Physics, AND two (2) of the following courses.</p> <ul style="list-style-type: none"> Chemistry AP 	<p>Students may earn a Business & Industry endorsement by selecting and completing the requirements from among these <u>2</u> options.</p> <p>Option 1: CTE Students earn four (4) credits in a coherent sequence by taking at least two (2) courses in the same cluster. At least one (1) of the courses must be an advanced CTE course.(3rd year or higher course in the sequence).</p> <p>Clusters include:</p> <ul style="list-style-type: none"> Agriculture, Food, and Natural Resources Architecture and Construction Arts, Audio/Video Technology, and Communication Business Management and Administration Finance Hospitality and Tourism Information Technology Manufacturing Marketing Transportation, Distribution, and Logistics <p>Option 2: English Students take four (4) English elective credits that include three levels in one of the following areas</p> <ul style="list-style-type: none"> Advanced Journalism: Newspaper or Yearbook Debate 	<p>Students may earn a Public Services endorsement by selecting and completing the requirements from among these <u>2</u> options.</p> <p>Option 1: CTE Students earn four (4) credits in a coherent sequence by taking at least two (2) courses in the same cluster. At least one (1) of the courses must be an advanced CTE course.(3rd year or higher course in the sequence).</p> <ul style="list-style-type: none"> Education and Training Health Science Human Services Law, Public Safety, Corrections, and Security <p>Option 2: JROTC Student takes four (4) JROTC courses for 4 credits.</p>	<p>Students may earn an Arts & Humanities endorsement by selecting and completing the requirements from among these <u>4</u> options.</p> <p>Option 1: Social Studies Students take five (5) social studies credits.</p> <p>Option 2: LOTE (Language other than English) Students take four (4) levels of the same LOTE for 4 credits.</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take two (2) levels of one LOTE and two (2) levels of a different LOTE for 4 credits.</p> <p>Option 3: Fine Arts Students take four (4) courses in the same fine arts area for 4 credits</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take two (2) courses in one fine arts area and two (2) courses in a different fine arts area for 4 total credits.</p> <p>Option 4: English Students take four (4) elective credits selected from the following courses.</p> <ul style="list-style-type: none"> English IV Independent Study (ISM) in English Literary Genres Creative Writing Research and Technical Writing Humanities AP English Literature & Comp Communication Applications 	<p>Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from among these <u>3</u> options.</p> <p>Option 1: Four by Four (4 X 4) Students take four (4) courses in each of the four core content areas.</p> <ul style="list-style-type: none"> Four (4) English credits including English IV Four (4) math credit2 Four (4) science credits including biology and chemistry and/or physics Four (4) social studies credits <p>Option 2: AP and Dual Students take four (4) Advanced Placement (AP) courses or dual credit selected from English, math, science, social studies, economics, LOTE, or fine arts.</p> <p>Option 3: Combination Students take four advanced courses that prepare them to enter the workforce or postsecondary education without remediation from within one endorsement area or among endorsement areas not in a coherent sequence.</p>

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<ul style="list-style-type: none"> • Biology AP • Anatomy & Physiology • Environmental Science AP • AP Physics 1 • AP Physics 2 • AP Physics C • Aquatic Science • Earth & Space Science • Environmental Systems • Engineering Design and Problem Solving • Food Science • Forensic Science • Advanced Animal Science • Advanced Plant and Soil Science • Medical Microbiology • Pathophysiology • Scientific Research and Design <p>Option 5: Combination In addition to Algebra II, Chemistry, and Physics, a student may take a coherent sequence of three (3) additional credits from no more than two (2) options above. (STEM Options 1-4)</p>				
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