

## Endorsements

Students entering 9th Grade must choose from one of the following endorsements:

- STEM (Examples: Engineering, Computer Science)
- Business and Industry (Examples: Business, Finance, Accounting)
- Arts and Humanities (Examples: Literature, Art, Dance, Music)
- Public Services (Examples: Hotel Management, Psychology, Teaching, Health)
- Multidisciplinary Studies (Examples: Business, Sociology, Art)

Students may change their endorsement at any time prior to graduation.

To qualify as part of the top ten percent of their graduating class, students must successfully complete Algebra II.

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. Please review the following Endorsement Chart for more information.

## Endorsement Chart

|  |  |                |             |              |                         |                        |                         |                            |                 |                |                    |                |  |                   |  |
|--|--|----------------|-------------|--------------|-------------------------|------------------------|-------------------------|----------------------------|-----------------|----------------|--------------------|----------------|--|-------------------|--|
| <b>STEM</b><br><b>Science, Technology, Engineering, &amp; Math</b> | <p>Students may earn a STEM endorsement by selecting and completing the requirements from among these 5 options.</p> <p>Note: Algebra II, Chemistry, and Physics are required for the STEM endorsement regardless of the option the student selects from below.</p> <p><b>Option 1: Computer Science</b></p> <p>Students take 3 computer science courses.</p> <p>Principles of Information Technology (CTE), Computer Programming (CTE), Advanced Computer, Programming (CTE), Fundamentals of Computer Science, Computer Science I, Game Programming and Design, Mobile Application Development, Robotics Programming and Design, AP Computer Science Principles, AP Computer Science A</p> <p><b>Option 2: CTE</b></p> <p>Students earn four (4) CTE credits by taking at least two (2) courses in the same cluster that lead to a final course in the STEM cluster. At least one (1) of the courses must be an advanced CTE course (3rd year or higher course in a sequence).</p> <p><b>Option 3: Math</b></p> <p>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"> <li>▪ Pre-Calculus</li> <li>▪ Calculus AB or BC</li> <li>▪ Statistics AP</li> <li>▪ Advanced Algebra</li> <li>▪ College Algebra</li> </ul> <p><b>Option 4: Science</b></p> <p>Students take Biology, Chemistry, and Physics, AND two (2) of the following courses.</p> <table style="width: 100%; border: none;"> <tr> <td>* Chemistry AP</td> <td>* Astronomy</td> </tr> <tr> <td>* Biology AP</td> <td>* Earth &amp; Space Science</td> </tr> <tr> <td>* Anatomy &amp; Physiology</td> <td>* Environmental Systems</td> </tr> <tr> <td>* Environmental Science AP</td> <td>* AP Physics II</td> </tr> <tr> <td>* AP Physics 1</td> <td>* Forensic Science</td> </tr> <tr> <td>* AP Physics C</td> <td>* Engineering Design &amp; Problem Solving</td> </tr> <tr> <td>* Aquatic Science</td> <td></td> </tr> </table> <p><b>Option 5: Combination</b></p> <p>Students take Algebra II, Chemistry, and Physics, an additional math course, an additional science course, AND three (3) additional credits from Option 1 (Computer Science) and/or Option 2 (CTE) in the STEM endorsement.</p> | * Chemistry AP | * Astronomy | * Biology AP | * Earth & Space Science | * Anatomy & Physiology | * Environmental Systems | * Environmental Science AP | * AP Physics II | * AP Physics 1 | * Forensic Science | * AP Physics C | * Engineering Design & Problem Solving | * Aquatic Science |  |
| * Chemistry AP   | * Astronomy  |                |             |              |                         |                        |                         |                            |                 |                |                    |                |  |                   |  |
| * Biology AP   | * Earth & Space Science  |                |             |              |                         |                        |                         |                            |                 |                |                    |                |  |                   |  |
| * Anatomy & Physiology   | * Environmental Systems  |                |             |              |                         |                        |                         |                            |                 |                |                    |                |  |                   |  |
| * Environmental Science AP   | * AP Physics II  |                |             |              |                         |                        |                         |                            |                 |                |                    |                |  |                   |  |
| * AP Physics 1   | * Forensic Science   |                |             |              |                         |                        |                         |                            |                 |                |                    |                |  |                   |  |
| * AP Physics C   | * Engineering Design & Problem Solving   |                |             |              |                         |                        |                         |                            |                 |                |                    |                |  |                   |  |
| * Aquatic Science  |  |                |             |              |                         |                        |                         |                            |                 |                |                    |                |  |                   |  |

|                           |  |
|---------------------------|--|
| Arts & Humanities         | <p>Students may earn an Arts &amp; Humanities endorsement by selecting and completing the requirements from among these 4 options.</p> <p><b>Option 1: Social Studies</b></p> <p>Students take five (5) social studies courses for 5 credits.</p> <p><b>Option 2: Foreign Language</b></p> <p>Students take four (4) levels of the same foreign language.</p> <p>OR</p> <p>Students take two (2) levels of one foreign language AND two (2) levels of a different foreign language (two levels in each of two different foreign languages for 4 credits).</p> <p><b>Option 3: Fine Arts</b></p> <p>Students take four (4) courses in the same fine arts area for 4 credits.</p> <p>OR</p> <p>Students take two (2) courses in one fine arts area AND two (2) courses in a different fine arts area (two courses in each of two different fine arts areas for 4 credits).</p> <p><b>Option 3: English</b></p> <ul style="list-style-type: none"> <li>▪ English IV</li> <li>▪ Literary Genres</li> <li>▪ Creative Writing</li> <li>▪ Research and Technical Writing</li> <li>▪ Humanities</li> <li>▪ AP English Literature &amp; Comp</li> <li>▪ Communication Applications</li> </ul>   |
| Multidisciplinary Studies | <p>Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from among these 3 options.</p> <p><b>Option 1: Four by Four (4 X 4)</b></p> <p>Students take four (4) courses in each of the four core content areas.</p> <ul style="list-style-type: none"> <li>▪ Four (4) English credits including English IV</li> <li>▪ Four (4) math credit</li> <li>▪ Four (4) science credits including biology and chemistry and/or physics</li> <li>▪ Four (4) social studies credits</li> </ul> <p>With a least one (1) advanced (3rd year or higher course in the sequence).</p> <p><b>Option 2: AP or Dual</b></p> <p>Students take four (4) Advanced Placement (AP) courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p> <p>OR</p> <p>Students take four (4) Dual credit courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p> <p><b>Option 3: CTE</b></p> <p>Students take four advanced courses for four (4) credits 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> |

Students may earn a Business & Industry endorsement by selecting and completing the requirements from among these 3 options.

**Option 1: CTE**

Students earn four (4) credits by taking at least two (2) courses in the same cluster in one of the following areas.

- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Arts, Audio/Video Technology, and Communication
- Business Management and Administration
- Finance
- Hospitality and Tourism
- Information Technology
- Marketing

with at least one (1) advanced (3rd year or higher course in the sequence).

**Option 2: English**

Students take four (4) English elective credits that include three levels in one for the following areas.

- Advanced Journalism: Newspaper or Yearbook
- Public Speak
- Debate

**Option 3: Technology**

Students take four (4) technology credits selected from of the following courses.

- Animation
- Advanced Animation
- Web Technology I
- Digital & Interactive Multimedia
- Computer Programming K
- Business Information Management
- Audio/Video Production