<table>
<thead>
<tr>
<th>GRADE</th>
<th>ENGLISH LANGUAGE ARTS</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES</th>
<th>REQUIRED, RECOMMENDED, ELECTIVE COURSES</th>
<th>INDUSTRY CERTIFICATIONS/LICENSURES AVAILABLE</th>
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<tbody>
<tr>
<td>9</td>
<td>01001 English 9 - HATH or 01001 Honors English 9 - HATH</td>
<td>02052 Algebra 1 - HATH or 02072 Geometry - HATH or 02079 Honors Geometry - HATH</td>
<td>03159 Physical Science - HATH or 03052 Honors Biology - HATH</td>
<td>Select at least one course from this list each year. Courses may be taken in any order. Must include a World History/Geography, US History, and US &amp; WY Govt. 04101 US Hist - HATH or 04151 US &amp; WY Govt. - HATH or 04001 World Geog - HATH or 04051 World Hist - HATH or 04040 AP Human Geog - HATH or 04157 AP Govt &amp; Politics - HATH or 04104 AP US Hist - HATH or 04057 AP World Hist - HATH</td>
<td>A minimum of 27 high school credits in grades 9 to 12 are required to graduate. Select the remaining electives from the following areas: Fine and Performing Art, Career and Technical Education, and/or any academic area.</td>
<td>Recommended CTE Courses: 10004 Computer Applications MS Office; 10049 Internet Technology; 10203 Multi-Media; 10153 Programming in Visual Basic; 10152 Intermediate Programming; 10201 Web Page Authoring 1 &amp; 2</td>
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<tr>
<td>10</td>
<td>01002 English 10 - HATH or 01002 Honors English 10 - HATH</td>
<td>02052 Algebra 1 - HATH or 02072 Geometry - HATH or 02079 Honors Geometry - HATH or 02056 Algebra 2 - HATH or 02069 Honors Algebra 2 - HATH</td>
<td>03051 Biology - HATH or 03056 AP Biology or 10022 Ag Science - HATH or 03101 Chem 1 - HATH</td>
<td>Select a Social Studies course not previously taken.</td>
<td>2 Credits Health and PE AND a 2 year sequence of a World Language</td>
<td>Other Recommended Courses: 03056 AP Biology - HATH; 03106 AP Chem - HATH, 03002 Geologic Systems - HATH; 03155 AP Physics - HATH; 03072 AP Environmental Science; 04204 AP Macroeconomics - HATH; 02101 College Algebra &amp; Trig - HATH; 02123 Honors Differential Calculus &amp; Trig - HATH, 02203 AP Statistics; 04160 Current Issues; 04165 Legal Studies; 04251 Anthropology</td>
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<tr>
<td>11</td>
<td>01003 English 11 - HATH or 01003 AP Lang &amp; Comp - HATH or 01006 AP Lit &amp; Comp - HATH</td>
<td>MATH 2200 - Calculus 1 (5 CE)</td>
<td>03101 Chem 1 - HATH or 03058 Botany - HATH or 03061 Zoology - HATH or 03062 Geologic Systems - HATH or 03151 Physics - HATH or 03158 AP Physics - HATH or 03207 AP Environmental Science - HATH</td>
<td>2 Credits Health and PE AND a 2 year sequence of a World Language</td>
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<td>INET 1550 - Intro to the Internet (1 CE)</td>
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<tr>
<td>12</td>
<td>01053 ENGL 1010 - HATH - English 1 Composition (3 CE)</td>
<td>MATH 2205 - Calculus 2 (5 CE)</td>
<td>03101 Chem 1 - HATH or 03102 Chem 2 - HATH or 03106 AP Chem or 03053 Human Anatomy and Physiology - HATH or 03058 Botany - HATH or 03061 Zoology - HATH or 03151 Physics - HATH or 03158 AP Physics - HATH or 03207 AP Environmental Science - HATH</td>
<td>Select a Social Studies course not previously taken.</td>
<td></td>
<td>INET 1581 - Web Page Authoring 1 (1 CE)</td>
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</table>

**Free LCCC Class**

- MATH 1000 - Developmental Math (3 CE)
- MATH 1150 - Business Mathematics (3 CE)
- MATH 1200 - Survey of Math (3 CE)
- MATH 1210 - College Algebra (3 CE)
- MATH 1220 - College Algebra with Review (3 CE)
- MATH 1230 - College Algebra with Review - HATH (3 CE)
- MATH 2200 - Calculus 1 (5 CE)
- MATH 2205 - Calculus 2 (5 CE)
- MATH 2210 - Linear Algebra (3 CE)
- MATH 2220 - Calculus 3 (4 CE)
- MATH 2230 - Differential Equations (3 CE)
- PHYS 1310 - College Physics 1 (4 CE)
- PHYS 1320 - College Physics 2 (4 CE)
- PHYS 1330 - College Physics 3 (4 CE)

**Post-Secondary Courses**

- ENGL 1010 - English 1: Composition (3)
- ENGL 1020 - English 2 (3)
- MATH 2200 - Calculus 1 (5)
- MATH 2205 - Calculus 2 (5)
- MATH 2210 - Calculus 3 (5)
- MATH 2220 - Calculus 4 (5)
- MATH 2230 - Differential Equations (3)
- PHYS 1310 - College Physics 1 (4)
- PHYS 1320 - College Physics 2 (4)
- PHYS 1330 - College Physics 3 (4)

**High School Courses for Graduation at Hathaway Honors and Performance Scholarship Levels**

- High School Recommended Elective Courses
- High School Recommended Career and Technical Education Courses
- Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment)
- Post-Secondary Courses
- Mandatory Assessments, Advising, and Additional Preparation