<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>CONCURRENT ENROLLMENT OPTIONS</th>
<th>CAREER AND TECHNICAL EDUCATION COURSES</th>
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<tr>
<td>9</td>
<td>01001 01000 English 9 - HATH or 01001 01000 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 04101 US History and World History or 04040 AP Human Geog - HATH or 04187 AP Govt &amp; Politics - HATH or 04184 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 Arts, Career and Technical Education, and/or any academic area.</td>
<td>Recommended CTE Courses: 10004 Computer Applications MS Office; 10049 Internet Technology; 14002 Basic Emergency Care; 14001 Health Care Careers Intro, 1, 2, &amp; Advanced; 14062 Intro to Sports Medicine; 19063 Family Management Resources; 19052 Early Childhood 1 &amp; 2</td>
<td>CMAP 1750 - Word 2 (1 CE) CMAP 1705 - Excel 1 (CE)</td>
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<tr>
<td>10</td>
<td>01002 01001 English 10 - HATH or 01002 01001 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 18002 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: 03058 AP Biology - HATH; 03053 Human Anatomy &amp; Physiology - HATH; 03058 Botany - HATH; 03002 Geologic Systems - HATH; 03151 Physics - HATH or 03159 AP Physics - HATH or 03207 AP Environmental Science - HATH</td>
<td>INET 1550 - Intro to the Internet (1 CE) EDEC 1490 - Topics in Early Childhood (3 CE) PHYS 1050 - Concepts of Physics (1 CE)</td>
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<td>11</td>
<td>01003 01005 English 11 - HATH or 01005 01006 AP Lang &amp; Comp - HATH or 01005 01006 AP Lit &amp; Comp - HATH</td>
<td>02072 Geometry - HATH or 02079 Honors Geometry - HATH or 02056 Algebra 2 - HATH or 02019 College Algebra and Trig - HATH or 02123 Honors Calc and Trig - HATH</td>
<td>03101 Chem 1 - HATH or 03058 Botany - HATH or 03061 Zoology - HATH or 03022 Geologic Systems - HATH or 03151 Physics - HATH or 03159 AP Physics - HATH or 03207 AP Environmental Science - 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>
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**College Placement Assessments (PLAN, PSAT) - Academic/Career Advisement Provided**

**Free LCCC Class**

| 12 | 01053 ENGL 1010 - HATH - English 1: Composition (3 CE) | 02056 Algebra 2 - HATH or 02201 Mathematical Decision Making - HATH or 02106 College Algebra and Trig - HATH or 02059 AP Stats - HATH or 02124 AP Calc AB - HATH or 02125 AP Calc BC - HATH | 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 03159 AP Physics - HATH or 03207 AP Environmental Science - HATH | Select a Social Studies course not previously taken. | 2 Credits Health and PE AND a 2 year sequence of a World Language | | |

**Free LCCC Class**

| ENGL 1010 - English 1: Composition (3) | MATH 1400 - Pre-Calculus Algebra (4) | ZOO 2010 - Anatomy & Physiology 1 and ZOO 2200 - Anatomy & Physiology 2 OR ZOO 2015 - Human Anatomy and ZOO 2025 - Human Physiology (8-10) | PSYC 1000 - General Psychology (4) | PHYS 1050 - Concepts of Physics (4) | | |

| Summer Semester | Program Pre-requisites | ENGL 1010 - English 1: Composition (3) | MATH 1400 - Pre-Calculus Algebra (4) | ZOO 2010 - Anatomy & Physiology 1 and ZOO 2200 - Anatomy & Physiology 2 OR ZOO 2015 - Human Anatomy and ZOO 2025 - Human Physiology (8-10) | PSYC 1000 - General Psychology (4) | PHYS 1050 - Concepts of Physics (4) | | |

| Year 1 Fall Semester | Fall Semester | IMAG 2210 - Ultrasound Physics 1 (2) | IMAG 2220 - OB/GYN Sonography 1 (3) | IMAG 2215 - Abdominal Sonography 1 (4) | RDTK 1520 - Radiographic Patient Skills (1) | HLTK 2300 - Health Care Ethics (3) | CMAP 1610 - Windows 1 or CMAP 1685 - Using Computers in Radiography or Computer Literacy Elective (1) |

| Year 1 Spring Semester | Spring Semester | IMAG 2240 - Ultrasound Physics 2 (2) | 2250 - IMAG - OB/GYN Sonography 2 (3) | IMAG 2245 - Abdominal Sonography 2 Small Parts (3) | IMAG 2245 - Intro to Vascular Sonography (3) | | |

| Summer Semester | Summer Semester | IMAG 2254 - DMS Beginning Clinical Experience (6) | POLS 1000 - Am & WY Govt or HIST 1211 - US to 1865 or HIST 1221 - US from 1865 to 1915 or HIST 1251 - WY Hist or ECON 1200 Econ (3) | IMAG 2265 - Registry Review 1 (1) | IMAG 2265 - Registry Review 2 (1) | | |

| Year 2 Fall Semester | Year 2 Fall Semester | IMAG 2255 - Sonography Clinical Experience 1 (11) | | | | | |

| Year 2 Spring Semester | Year 2 Spring Semester | IMAG 2260 - Sonography Clinical Experience 2 (13) | | | | | |

**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**

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

**High School Recommended Elective Courses**

**Associate of Applied Science (AAS)**

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**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**

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**Industrial Certifications/Licenses Available**

**Kuder Career Planning System Administered and Plan of Study Initiated for all Learners**

- **Physical Education Activity (1 DE)**
- **PSYC 1000 - General Psychology (4 DE)**
- **HLTK 2300 - Health Care Ethics (3 DE)**
- **HLTK 1200 - Medical Terminology (2 DE)**
- **CMAP 1700 - Word 1 (1 CE)**
- **CMAP 1705 - Excel 1 (CE)**
- **CMAP 1610 - Windows 1 or CMAP 1685 - Using Computers in Radiography or Computer Literacy Elective (1)**
- **EDEC 1490 - Topics in Early Childhood (3 CE)**
- **PHYS 1050 - Concepts of Physics (1 CE)**

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**Laramie County Community College**

**Cheyenne, WY**

**Updated 4/2012**