**ISTEM-Biotechnology Strand Four Year Plan**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | English | Math | Science | Social Studies | ISTEM | Elective | Elective\* |
| 9th | English H | Geometry H and/or Algebra II H | Biology H | US Govt H/ AP Govt | Intro to Information Technology | Technology Studies | World Language |
| 10th | English H | Pre-Calculus H | Chemistry I H | World Hist H/  AP World Hist | Biotechnology I | HOPE | World Language |
| 11th | English H/  AP Lang/  Dual Enrollment | Calculus H/  AP Calculus AB | Physics I H | US Hist H/  AP US Hist/  Dual Enrollment | Biotechnology II | Elective | Elective |
| 12th | English H/  AP Lit/  Dual Enrollment | AP Calculus AB/  AP Calculus BC/  AP Stats/  Dual Enrollment | AP Physics/  AP Biology/  AP Chem/  AP Environ Science | Economics H/ AP Econ | Biotechnology III | Elective | Elective |

\*Students entering high school in 2011-2012 and after must take at least one course on virtual school as a graduation requirement.

**ISTEM- Cyber Security Strand Four Year Plan**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | English | Math | Science | Social Studies | ISTEM | Elective | Elective\* |
| 9th | English H | Geometry H and/or Algebra II H | Biology H | US Govt H/ AP Govt | Intro to Information Technology | Technology Studies | World Language |
| 10th | English H | Pre-Calculus H | Chemistry I H | World Hist H/  AP World Hist | Computer & Network Security Fundamentals | HOPE | World Language/HOPE |
| 11th | English H/  AP Lang/  Dual Enrollment | Calculus H/  AP Calculus AB | Physics I H | US Hist H/  AP US Hist/  Dual Enrollment | Cybersecurity Essentials | Elective | Elective |
| 12th | English H/  AP Lit/  Dual Enrollment | AP Calculus AB/  AP Calculus BC/  AP Stats/  Dual Enrollment | AP Physics/  AP Biology/  AP Chem/  AP Environ Science | Economics H/ AP Econ | Operational Cybersecurity | Elective | Elective |

\*Students entering high school in 2011-2012 and after must take at least one course on virtual school as a graduation requirement.

**ISTEM- Television Production Strand Four Year Plan**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | English | Math | Science | Social Studies | ISTEM | Elective | Elective\* |
| 9th | English H | Geometry H and/or Algebra II H | Biology H | US Govt H/ AP Govt | Intro to Information Technology | Technology Studies | World Language |
| 10th | English H | Pre-Calculus H | Chemistry I H | World Hist H/  AP World Hist | Television Production I | HOPE | World Language |
| 11th | English H/  AP Lang/  Dual Enrollment | Calculus H/  AP Calculus AB | Physics I H | US Hist H/  AP US Hist/  Dual Enrollment | Television Production II | Elective | Elective |
| 12th | English H/  AP Lit/  Dual Enrollment | AP Calculus AB/  AP Calculus BC/  AP Stats/  Dual Enrollment | AP Physics/  AP Biology/  AP Chem/  AP Environ Science | Economics H/ AP Econ | Television Production III | Elective | Elective |

\*Students entering high school in 2011-2012 and after must take at least one course on virtual school as a graduation requirement.

**ISTEM- Engineering Strand Four Year Plan**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | English | Math | Science | Social Studies | ISTEM | Elective | Elective\* |
| 9th | English H | Geometry H and/or Algebra II H | Biology H | US Govt H/ AP Govt | Intro to Information Technology | Technology Studies | World Language |
| 10th | English H | Pre-Calculus H | Chemistry I H | World Hist H/  AP World Hist | Engineering Tech I | HOPE | World Language |
| 11th | English H/  AP Lang/  Dual Enrollment | Calculus H/  AP Calculus AB | Physics I H | US Hist H/  AP US Hist/  Dual Enrollment | Engineering Tech II | Elective | Elective |
| 12th | English H/  AP Lit/  Dual Enrollment | AP Calculus AB/  AP Calculus BC/  AP Stats/  Dual Enrollment | AP Physics/  AP Biology/  AP Chem/  AP Environ Science | Economics H/ AP Econ | Engineering Tech III | Elective | Elective |

\*Students entering high school in 2011-2012 and after must take at least one course on virtual school as a graduation requirement.