



# Montgomery County Public Schools

## Biosciences, Health Science, and Medicine

### *Biotechnology*

*A Maryland State Certified Program*

This is a sample pathway schedule that may be tailored to meet a student's individual needs. In addition to program coursework, all students must take prescribed English, math, science, social studies, and other courses required for a Maryland high school diploma.

Grade 9	Grade 10	Grade 11	Grade 12
<b>English</b> <i>English 9/Honors</i>	<b>English</b> <i>English10/Honors</i>	<b>English</b> <i>English11/Honors/AP</i>	<b>English</b> <i>English 12/Honors/AP</i>
<b>Mathematics</b> <i>Algebra 1, Geometry/Honors, or Algebra 2/Honors</i>	<b>Mathematics</b> <i>Geometry/Honors, Algebra 2/Honors, or Pre-calculus/Honors</i>	<b>Mathematics</b> <i>Algebra 2/ Honors, Pre-calculus/Honors, or AP Calculus AB/BC</i>	<b>Mathematics</b> <i>Pre-calculus/Honors, AP Calculus AB/BC, or AP Statistics/College Level Math Beyond AP Calculus</i>
<b>Science</b> <i>Matter and Energy/Honors or Honors Physics</i>	<b>Science</b> <i>Biology/Honors</i>	<b>Science</b> <i>Chemistry/Honors/AP or AP Physics</i>	<b>Science</b> <i>Physics/Honors/AP or AP Science course</i>
<b>Social Studies</b> <i>U.S.History/Honors/AP</i>	<b>Social Studies</b> <i>National, State, &amp; Local Government/Honors/AP</i>	<b>Social Studies</b> <i>Modern World History/ Honors/AP</i>	<b>Social Studies</b> <i>AP Social Studies</i>
<b>Foreign Language</b> <sup>1</sup>	<b>Foreign Language</b> <sup>1</sup>	<b>Foreign Language</b> <sup>1</sup>	<b>College Coursework</b>
<b>Elective Coursework</b> <sup>2</sup>	<b>Coursework</b> <i>Biotechnology, Molecular</i>	<b>Coursework</b> <i>Biotechnology, Special Topics</i>	<b>Capstone Experience</b> <i>Guided Research in Biosciences</i>
<b>Physical Education</b>	<b>Health and Elective Coursework</b> <sup>2</sup>	<b>Elective Coursework</b> <sup>2</sup>	<b>Elective Coursework</b> <sup>2</sup> <i>Bioscience Internship</i>

<sup>1</sup> **Foreign Language:** French, Italian, Spanish, German, etc. (choose from languages available at your school)

<sup>2</sup> **Elective Coursework:** Health and Bioscience