

Three High School Science Progressions

Piedmont High School's minimum graduation requirements in science:

- Enrollment in a science course during both semesters of their freshman and sophomore years.
- Completion of one physical science course AND one life science course with grades of "D" or higher in each semester

**Enrollment in any course is contingent on satisfaction of prerequisites specified in the planning guide.

| Option #1 - Expected progression | | | |
|--|---|---|---|
| -- Best choice for <i>most</i> students -- | | | |
| <u>9th grade</u> Physical Science (High School Physical Science w/laboratory) | <u>10th grade</u> Biology | <u>11th grade</u> Chemistry or Honors Chemistry (PLUS concurrent enrollment in a second science elective* if desired) | <u>12th grade</u> Enrollment in up to 2 science electives as desired* |
| Option #2 | | | |
| -- Best choice for students demonstrating strong interest and aptitude in science -- | | | |
| <u>9th grade</u> Physical Science (High School Physical Science w/laboratory) | <u>10th grade</u> Biology and Concurrent enrollment in Chemistry or Honors Chemistry | <u>11th grade</u> Enrollment in up to 2 science electives as desired* | <u>12th grade</u> Enrollment in up to 2 science electives as desired* |
| Option #3 | | | |
| -- Appropriate only for those students demonstrating mastery of middle school science content, excellent study habits, AND strong interest in science -- | | | |
| <u>9th grade</u> Biology | <u>10th grade</u> Honors Chemistry | <u>11th grade</u> Enrollment in up to 2 science electives as desired* | <u>12th grade</u> Enrollment in up to 2 science electives as desired* |

*Science electives are: ROP AP Environmental Science, AP Biology, Anatomy, ROP Biotechnology, College Prep Physics, Honors Physics, Chemistry, Honors Chemistry, Sports Medicine

Three High School Mathematics Progressions

Piedmont High School's minimum graduation requirements in math:

- Enrollment in a math course during both semesters of their freshman and sophomore years.

**Enrollment in any course is contingent on satisfaction of prerequisites specified in the planning guide

| Option #1 | | | |
|--|---|---|---|
| -- Best choice for many students -- | | | |
| <u>9th grade</u> Algebra I | <u>10th grade</u> Geometry | <u>11th grade</u> Algebra II | <u>12th grade</u> Math Analysis (and/or enrollment in math electives—Statistics or Honors Statistics—with prereq) |
| Option #2 | | | |
| -- Best choice for students demonstrating strong interest and aptitude in math -- | | | |
| <u>9th grade</u> Geometry | <u>10th grade</u> Algebra II | <u>11th grade</u> Math Analysis (and/or enrollment in math electives—Statistics or Honors Statistics—with prereq) | <u>12th grade</u> Calculus AB (and/or enrollment in math electives—Statistics or Honors Statistics—with prereq) |
| Option #3 | | | |
| -- Appropriate only for those students demonstrating mastery of middle school geometry content, excellent study habits, AND strong interest in math -- | | | |
| <u>9th grade</u> Algebra II | <u>10th grade</u> Math Analysis (and/or enrollment in math electives—Statistics or Honors Statistics—with prereq) | <u>11th grade</u> Calculus AB (and/or enrollment in math electives—Statistics or Honors Statistics—with prereq) | <u>12th grade</u> Calculus BC (and/or enrollment in math electives—Statistics or Honors Statistics—with prereq) |