### Competitive College Preparatory

For those interested in attending highly competitive colleges and universities

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>SOPHOMORE YEAR</th>
<th>JUNIOR YEAR</th>
<th>SENIOR YEAR</th>
</tr>
</thead>
</table>
| **FRESHMAN HUMANITIES**  
Freshman Humanities (Accelerated)  
Science  
Integrated Science I (Accelerated)  
Mathematics  
Algebra I (Accelerated)  
Algebra II (Accelerated)  
Language  
First of 4 courses in a single language  
FRESHMAN IMMERSION  
Required Freshman Orientation Course  
HEALTH AND WELLNESS  
Health  
Introduction to Physical Education  | **ENGLISH**  
AP Seminar or Literary Perspectives (Accelerated)  
Social Studies  
World Civilization Post-1500 (Accelerated) or AP World History  
Science  
Integrated Science II (Accelerated)  
Mathematics  
Geometry (Accelerated)  
Trigonometry (Accelerated)  
Language  
Second of 4 courses in a single language  
**ELECTIVES**  
Combination of courses to make **two full blocks** — chosen to complement student’s academic plan | **ENGLISH**  
AP Seminar or Rhetoric and Composition (Accelerated)  
or AP English Language  
Social Studies  
United States History (Accelerated or AP)  
Science  
Integrated Science III (Accelerated)  
Mathematics  
Precalculus (Accelerated)  
Language  
Third of 4 courses in a single language  
and  
Fourth of 4 courses in a single language  
**ELECTIVES**  
Combination of courses to make **two or three full blocks** — chosen to complement student’s academic plan | **ENGLISH**  
AP Research, Literature and Composition (Accelerated)  
Social Studies  
United States Government and AP Electives or Microeconomics, AP United States Government and Politics  
Science  
Elective: Digital Electronics (Accelerated) or Civil Engineering and Architecture (Accelerated) or Biotechnical Engineering  
Mathematics  
AP Calculus AB or BC  
**ELECTIVES**  
Combination of courses to make **two or three full blocks** — chosen to complement student’s academic plan  
**CAPSTONE**  
Senior Capstone or Engineering Design and Development Capstone (Accelerated) |

Students wishing to take [AP courses](#) in a given subject area will need to take the appropriate [AP Prep courses](#) as electives.

### College Preparatory

For those interested in attending 4-year colleges and universities

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>SOPHOMORE YEAR</th>
<th>JUNIOR YEAR</th>
<th>SENIOR YEAR</th>
</tr>
</thead>
</table>
| **FRESHMAN HUMANITIES**  
Freshman Humanities (Accelerated/Standard)  
SCIENCE  
Integrated Science I (Accelerated/Standard)  
Mathematics  
Algebra I (Accelerated/Standard)  
Language  
First of 3 courses in a single language  
**ELECTIVES**  
Chosen to complement academic plan  
FRESHMAN IMMERSION  
Required Freshman Orientation Course  
HEALTH AND WELLNESS  
Health  
Introduction to Physical Education  | **ENGLISH**  
AP Seminar or Literary Perspectives (Accelerated/Standard)  
Social Studies  
World Civilization Post-1500 (Accelerated/Standard)  
Science  
Integrated Science II (Accelerated/Standard)  
Mathematics  
Algebra II (Accelerated/Standard)  
Language  
Second of 3 courses in a single language  
**ELECTIVES**  
Chosen to complement academic plan  
Combination of courses to make **two full blocks** — chosen to complement student’s academic plan | **ENGLISH**  
AP Seminar, AP English Language, or Rhetoric and Composition (Accelerated/Standard)  
Social Studies  
United States History (Accelerated/Standard)  
Science  
Integrated Science III (Accelerated/Standard)  
Mathematics  
Geometry (Accelerated/Standard)  
Language  
Third of 3 courses in a single language  
**ELECTIVES**  
Chosen to complement academic plan  
Combination of courses to make **two full blocks** — chosen to complement student’s academic plan | **ENGLISH**  
AP Research, AP English Literature or Literature and Composition (Accelerated/Standard)  
Social Studies  
AP or Accelerated Electives  
Science  
Electives  
Mathematics  
Trigonometry (Accelerated/Standard)  
**ELECTIVES**  
Combination of courses to make **two or three full blocks** — chosen to complement student’s academic plan  
**CAPSTONE**  
Senior Capstone or Engineering Design and Development Capstone (Accelerated) |
### Biomedical and Health Science
For those interested in attending Biomedical and Health Sciences programs at 4-year colleges and universities

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
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<th>JUNIOR YEAR</th>
<th>SENIOR YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRESHMAN HUMANITIES</td>
<td>English AP Seminar or Literary Perspectives (Accelerated/Standard)</td>
<td>English AP Seminar, AP English Language and Comp (Accelerated), or Rhetoric and Composition</td>
<td>English AP Research, AP English Literature and Composition (Accelerated) or Literature and Composition (Accelerated/Standard)</td>
</tr>
<tr>
<td>Electives Chosen to complement academic plan</td>
<td>Language Second of 3 courses in a single language</td>
<td>Language Third of 3 courses in a single language</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan</td>
</tr>
<tr>
<td>Freshman Immersion Required Freshman Orientation Course</td>
<td>Electives Chosen to complement academic plan</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan, see below</td>
</tr>
<tr>
<td>Health and Wellness Health Introduction to Physical Education</td>
<td>Electives Combination of courses to make two full blocks — chosen to complement student’s academic plan</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan</td>
<td>CAPSTONE Senior Capstone or Engineering Design and Development Capstone (Accelerated)</td>
</tr>
</tbody>
</table>

To pursue the Academy’s Biomedical and Health Services Certificate program, choose at least two of the following electives:

- AP Biology
- AP Chemistry
- AP Physics B or C
- Anatomy and Physiology
- Forensics
- Genetics
- Biotechnical Engineering
- Psychology
- Sports Medicine I and II
- Statistics or AP Statistics

Students should also consider making room in their schedules for pursuing an internship or clinical experience through the Human Services courses.

### Fine Arts Major or Art School
For those interested in attending a 2-year or 4-year art school or majoring in art at a university

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
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<th>JUNIOR YEAR</th>
<th>SENIOR YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Humanities (Accelerated/Standard)</td>
<td>English AP Seminar or Literary Perspectives (Accelerated/Standard)</td>
<td>English AP Seminar, AP English Language and Comp (Accelerated), or Rhetoric and Composition</td>
<td>English AP Research, AP English Literature and Composition (Accelerated), or Literature and Composition (Accelerated/Standard)</td>
</tr>
<tr>
<td>Electives Chosen to complement academic plan</td>
<td>Language Second of 3 courses in a single language</td>
<td>Language Third of 3 courses in a single language</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan</td>
</tr>
<tr>
<td>Introductory Level Course</td>
<td>Electives Chosen to complement academic plan</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan, see below</td>
</tr>
<tr>
<td>Required Freshman Orientation Course</td>
<td>Electives Combination of courses to make two full blocks — chosen to complement student’s academic plan</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan</td>
<td>CAPSTONE Senior Capstone</td>
</tr>
<tr>
<td>Health Introduction to Physical Education</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan</td>
<td>Electives Combination of courses to make two or three full blocks — chosen to complement student’s academic plan, see below</td>
<td>CAPSTONE Senior Capstone</td>
</tr>
</tbody>
</table>

*Students will choose courses based on their desired concentration: Music/Theater or Visual Arts.*
### SAMPLE 4-Year Course Selection

**Career and Technical Education: College Preparatory or Immediate Employment**

*For those interested in attending a 2-year or 4-year technical college or university or seeking employment*

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>SOPHOMORE YEAR</th>
<th>JUNIOR YEAR</th>
<th>SENIOR YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN HUMANITIES</strong></td>
<td><strong>ENGLISH</strong></td>
<td><strong>ENGLISH</strong></td>
<td><strong>ENGLISH</strong></td>
</tr>
<tr>
<td>Freshman Humanities (Basic, Standard, or Accelerated)</td>
<td>Literary Perspectives (Accelerated/Standard)</td>
<td>Rhetoric and Composition (Accelerated/Standard)</td>
<td>Literature and Composition (Accelerated/Standard) or Technical Communications II</td>
</tr>
<tr>
<td><strong>SCIENCE</strong></td>
<td><strong>SOCIAL STUDIES</strong></td>
<td><strong>SOCIAL STUDIES</strong></td>
<td><strong>SOCIAL STUDIES</strong></td>
</tr>
<tr>
<td>Integrated Science I (Basic, Standard, or Accelerated)</td>
<td>World Civilization II (Accelerated/Standard)</td>
<td>United States History (Basic, Standard, or Accelerated)</td>
<td>Electives</td>
</tr>
<tr>
<td><strong>MATHEMATICS</strong></td>
<td><strong>SCIENCE</strong></td>
<td><strong>MATHEMATICS</strong></td>
<td><strong>MATHEMATICS</strong></td>
</tr>
<tr>
<td>Algebraic Foundations I (Standard) or Algebra I (Accelerated/Standard)</td>
<td>Integrated Science II (Basic, Standard, or Accelerated)</td>
<td>Algebra II (Standard) or Algebra II (Accelerated/Standard)</td>
<td>Algebra III/Trig (Standard) or Trigonometry (Accelerated)</td>
</tr>
<tr>
<td>Algebraic Foundations II OR an ELECTIVE from any discipline if taking Algebra I (Accelerated/Standard)</td>
<td>Geometry (Basic) or Algebra II (Accelerated/Standard)</td>
<td><strong>TECHNICAL EDUCATION</strong></td>
<td><strong>TECHNICAL EDUCATION</strong></td>
</tr>
<tr>
<td><strong>TECHNICAL EDUCATION</strong></td>
<td><strong>TECHNICAL EDUCATION</strong></td>
<td>Combination or Pathway courses to make four full blocks — choice based on student’s academic plan.</td>
<td>Combination of Pathway courses to make four full blocks — chosen to complement student’s academic plan (may include co-op second semester).</td>
</tr>
<tr>
<td>Career Exploration</td>
<td>Cluster Course I</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FRESHMAN IMMERSION</strong></td>
<td>Cluster Course II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required Freshman Orientation Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HEALTH AND WELLNESS</strong></td>
<td><strong>ELECTIVES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>Introduction to Computer Science (Standard)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Physical Education</td>
<td>Exercise Science I or II (Standard)</td>
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</table>

**NOTE:**

Students may take an approved Learning Support Program, English as a Second Language course, or Performing Arts course as a fifth course each semester. Freshman and Sophomore students not taking a 5th course will be assigned automatically to a Study Block.