

Alpine School District Graduation Requirements

For the Graduating Class of 2011-forward

4.0 Credits of English/Language Arts

- 1.0 English 9
- 1.0 English 10
- 1.0 English 11
- 1.0 credit from Applied & Advanced Courses

3.0 Credits Math (9-12)

- 2.0 Math Core
- 1.0 Math from Applied & Advanced Courses

3.0 Credits Science (9-12)

- 2.0 Science Core-from 2 different quadrants
- 1.0 Science from Applied & Advanced Courses

3.0 Credits Social Studies

- .5 World Geography (9th grade)
- .5 World Civilizations (9th grade)
- 1.0 US History (10th grade)
- .5 Government & Citizenship (12th)
- .5 Student's choice (9th -12th)

1.5 Credits Fine Arts

- .5 Credit Health (10th grade)

1.5 Credits Physical Education

- .5 PE Skills (9th grade)
- .5 PE Fitness for Life (10th grade)
- .5 PE Lifetime Activities

- .5 Computer Technology (9th -12th)

- .5 General Financial Literacy (11th -12th)

- 1.0 Credit Career & Technical Education (CTE)

9.5 Credits Electives

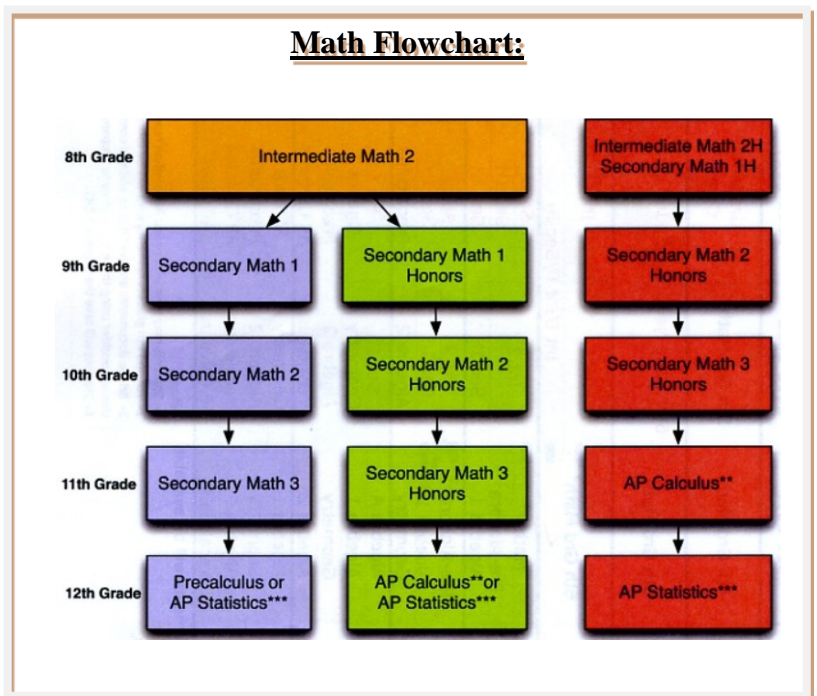
Any Core courses taken beyond the required number of credits, as well as repeated courses (that have been designated for elective credit) may be taken for the elective credit requirement.

28.0 Credits Total

College Bound General Recommendations

- English (4 years)
- Math (3-4 years)
- Lab Science (3-4 years)
- History/Social Sciences/Geography (3-4years)
- Foreign Language (one language 2 years progressive)

Math Flowchart:



COURSES MEETING THE CRITERIA FOR THE ALPINE SCHOOL DISTRICT'S GRADUATION REQUIREMENTS

(Check with *YOUR COUNSELOR* to verify the courses and credits offered by *YOUR SCHOOL*)

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|--|-------------------|---|------------|--------|-----------------------------|------------------|---------------------------|------------|------------------------|-------------------|-------------------|------------|-----------------------------|------------------|-----------------------|------------------|------------------------|---------------|-----------|---------------|---------------------------------|--|
| English/Language Arts - 3 courses from the Core plus 1 from the Applied and Advanced Courses | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;"><u>English/Language Arts Core:</u></p> <p style="text-align: center;">English 9 English 10 English 11</p> | PLUS | <p style="text-align: center;"><u>Applied and Advanced Courses:</u></p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">English 12</td> <td style="border: none;">Debate</td> </tr> <tr> <td style="border: none;">AP Literature & Composition</td> <td style="border: none;">Forensics/Debate</td> </tr> <tr> <td style="border: none;">AP Language & Composition</td> <td style="border: none;">Literature</td> </tr> <tr> <td style="border: none;">Business Communication</td> <td style="border: none;">Literary Magazine</td> </tr> <tr> <td style="border: none;">Technical Writing</td> <td style="border: none;">Humanities</td> </tr> <tr> <td style="border: none;">College Prep. Language Arts</td> <td style="border: none;">Journalism 1 & 2</td> </tr> <tr> <td style="border: none;">Creative Writing 1& 2</td> <td style="border: none;">School Newspaper</td> </tr> <tr> <td style="border: none;">Concurrent Enrollment*</td> <td style="border: none;">Communication</td> </tr> <tr> <td style="border: none;">Mythology</td> <td style="border: none;">Fantasy/SCIFI</td> </tr> <tr> <td style="border: none;">World Languages Level 3,4 or AP</td> <td></td> </tr> </table> | English 12 | Debate | AP Literature & Composition | Forensics/Debate | AP Language & Composition | Literature | Business Communication | Literary Magazine | Technical Writing | Humanities | College Prep. Language Arts | Journalism 1 & 2 | Creative Writing 1& 2 | School Newspaper | Concurrent Enrollment* | Communication | Mythology | Fantasy/SCIFI | World Languages Level 3,4 or AP | |
| English 12 | Debate | | | | | | | | | | | | | | | | | | | | | |
| AP Literature & Composition | Forensics/Debate | | | | | | | | | | | | | | | | | | | | | |
| AP Language & Composition | Literature | | | | | | | | | | | | | | | | | | | | | |
| Business Communication | Literary Magazine | | | | | | | | | | | | | | | | | | | | | |
| Technical Writing | Humanities | | | | | | | | | | | | | | | | | | | | | |
| College Prep. Language Arts | Journalism 1 & 2 | | | | | | | | | | | | | | | | | | | | | |
| Creative Writing 1& 2 | School Newspaper | | | | | | | | | | | | | | | | | | | | | |
| Concurrent Enrollment* | Communication | | | | | | | | | | | | | | | | | | | | | |
| Mythology | Fantasy/SCIFI | | | | | | | | | | | | | | | | | | | | | |
| World Languages Level 3,4 or AP | | | | | | | | | | | | | | | | | | | | | | |

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| Mathematics – 2.0 credits Advanced Math from the Math Core plus 1 from the Applied and Advanced Courses | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;"><u>Math Core:</u></p> <p>Secondary Math 1 or Secondary Math 1 H Secondary Math 2 or Secondary Math 2 H Secondary Math 3 or Secondary Math 3 H</p> | PLUS | <p style="text-align: center;"><u>Applied and Advanced Courses:</u></p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Intermediate Algebra</td> <td style="border: none;">Computer Programming</td> </tr> <tr> <td style="border: none;">Pre-Calculus</td> <td></td> </tr> <tr> <td style="border: none;">AP Calculus AB</td> <td style="border: none;">Math Prep – ACT/SAT</td> </tr> <tr> <td style="border: none;">AP Calculus BC</td> <td style="border: none;">Senior Math Review/College</td> </tr> <tr> <td style="border: none;">AP Statistics</td> <td style="border: none;">Quantitative Analysis</td> </tr> <tr> <td style="border: none;">Accounting I & II</td> <td style="border: none;">Discrete Mathematics</td> </tr> <tr> <td style="border: none;">Intuitive Calculus</td> <td style="border: none;">Mathematics of Personal Finance</td> </tr> <tr> <td style="border: none;">Statistics & Probability</td> <td style="border: none;">Concurrent Enrollment*</td> </tr> <tr> <td style="border: none;">Applied Math III</td> <td style="border: none;">College Prep</td> </tr> </table> | Intermediate Algebra | Computer Programming | Pre-Calculus | | AP Calculus AB | Math Prep – ACT/SAT | AP Calculus BC | Senior Math Review/College | AP Statistics | Quantitative Analysis | Accounting I & II | Discrete Mathematics | Intuitive Calculus | Mathematics of Personal Finance | Statistics & Probability | Concurrent Enrollment* | Applied Math III | College Prep |
| Intermediate Algebra | Computer Programming | | | | | | | | | | | | | | | | | | | |
| Pre-Calculus | | | | | | | | | | | | | | | | | | | | |
| AP Calculus AB | Math Prep – ACT/SAT | | | | | | | | | | | | | | | | | | | |
| AP Calculus BC | Senior Math Review/College | | | | | | | | | | | | | | | | | | | |
| AP Statistics | Quantitative Analysis | | | | | | | | | | | | | | | | | | | |
| Accounting I & II | Discrete Mathematics | | | | | | | | | | | | | | | | | | | |
| Intuitive Calculus | Mathematics of Personal Finance | | | | | | | | | | | | | | | | | | | |
| Statistics & Probability | Concurrent Enrollment* | | | | | | | | | | | | | | | | | | | |
| Applied Math III | College Prep | | | | | | | | | | | | | | | | | | | |

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|---|---|---------------------------|--|---|------|---|----------------|------------------------------|-------------|----------------------|---------------|------------------------------|------------|----------------------------------|-----------|-----------------|--------|-------------|-------------|---------------|----------------|-----------------------------|----------------------|---------------------|---------|----------------------|---------|-----------------------|---------|------------------------|
| Science – 2 Courses from two of the four quadrants of Science Core plus an additional course from the Science Core or Applied and Advanced Courses | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;"><u>Science Core must be taken from 2 different quadrants</u></p> <table style="width: 100%; border: none;"> <tr> <td style="border: none; width: 50%;"> Biological Sciences Biology AP Biology </td> <td style="border: none; width: 50%;"> Chemistry AP Chemistry </td> </tr> <tr> <td style="border: none;"> Earth Science Earth Systems (9th grade) </td> <td style="border: none;"> Physics Physics Physics Engineering AP Physics </td> </tr> </table> | Biological Sciences Biology AP Biology | Chemistry AP Chemistry | Earth Science Earth Systems (9 th grade) | Physics Physics Physics Engineering AP Physics | PLUS | <p style="text-align: center;"><u>Applied and Advanced Courses:</u></p> <p style="text-align: center;">An additional Science Core class, or:</p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Animal Science</td> <td style="border: none;">Medical Anatomy & Physiology</td> </tr> <tr> <td style="border: none;">Aquaculture</td> <td style="border: none;">Anatomy & Physiology</td> </tr> <tr> <td style="border: none;">Plant Science</td> <td style="border: none;">Applied Biology or Chemistry</td> </tr> <tr> <td style="border: none;">Physiology</td> <td style="border: none;">Principles of Technology I or II</td> </tr> <tr> <td style="border: none;">Astronomy</td> <td style="border: none;">Pre-Engineering</td> </tr> <tr> <td style="border: none;">Botany</td> <td style="border: none;">Meteorology</td> </tr> <tr> <td style="border: none;">Electronics</td> <td style="border: none;">Biotechnology</td> </tr> <tr> <td style="border: none;">Marine Biology</td> <td style="border: none;">Natural Resource Management</td> </tr> <tr> <td style="border: none;">Agricultural Science</td> <td style="border: none;">Wildlife Management</td> </tr> <tr> <td style="border: none;">Zoology</td> <td style="border: none;">Plant & soil Science</td> </tr> <tr> <td style="border: none;">Geology</td> <td style="border: none;">Environmental Science</td> </tr> <tr> <td style="border: none;">Ecology</td> <td style="border: none;">Concurrent Enrollment*</td> </tr> </table> | Animal Science | Medical Anatomy & Physiology | Aquaculture | Anatomy & Physiology | Plant Science | Applied Biology or Chemistry | Physiology | Principles of Technology I or II | Astronomy | Pre-Engineering | Botany | Meteorology | Electronics | Biotechnology | Marine Biology | Natural Resource Management | Agricultural Science | Wildlife Management | Zoology | Plant & soil Science | Geology | Environmental Science | Ecology | Concurrent Enrollment* |
| Biological Sciences Biology AP Biology | Chemistry AP Chemistry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Earth Science Earth Systems (9 th grade) | Physics Physics Physics Engineering AP Physics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Animal Science | Medical Anatomy & Physiology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aquaculture | Anatomy & Physiology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plant Science | Applied Biology or Chemistry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Physiology | Principles of Technology I or II | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Astronomy | Pre-Engineering | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Botany | Meteorology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electronics | Biotechnology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marine Biology | Natural Resource Management | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agricultural Science | Wildlife Management | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zoology | Plant & soil Science | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geology | Environmental Science | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ecology | Concurrent Enrollment* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

*Concurrent enrollment courses offered from college/university language/arts, mathematics, and science departments.
Note: Teachers currently meeting state license and endorsement requirements for an approved applied or advanced course are qualified to teach that course.