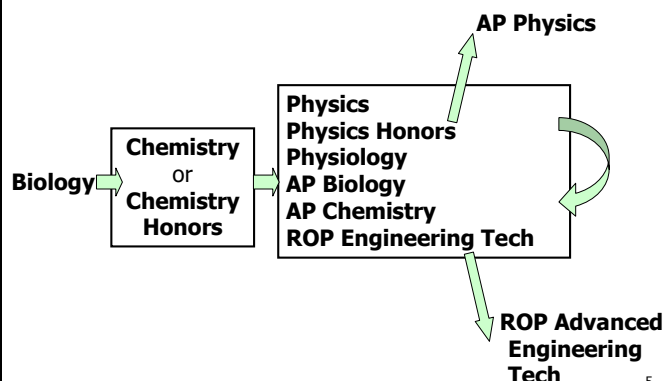


Monta Vista High School Science Department Course Selection Guide 2007-2008

Recommended Class Sequence



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UC/CSU Requirements



UC	CSU
<ul style="list-style-type: none"> Two years of a "d" level science course. Minimum of a C grade. All our courses are considered "d" level courses EXCEPT <ul style="list-style-type: none"> ROP Engineering Tech and ROP Advanced Engineering Tech (qualifies as "g" or elective lab science) 	<ul style="list-style-type: none"> Three years are helpful.
<ul style="list-style-type: none"> Three years are recommended. 	

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FUHSD Graduation Requirements

- Must pass 2 science courses (passing is a minimum of a D)
 - 1 must be Life Science
 - Biology, AP Biology, and Physiology
 - 1 must be Physical Science
 - Chemistry or Chemistry Honors (cannot receive credit for both)
 - Physics or Physics Honors (cannot receive credit for both)
 - AP Physics, AP Chemistry, ROP Engineering Tech, ROP Advanced Engineering Tech

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Summer and Online Courses?



- Summer and online:**
 - As little as 60 hours of instruction
 - Must be pre-approved by MV administrator (see your student's assigned assistant principal)
 - Only certain online science courses with a lab component are accepted for UC/CSU credit (see UC admissions for details)
- Monta Vista Science:**
 - 180 hours of instruction; time for content to be learned at a greater depth
 - Excellent laboratory experiences
- Consider**
 - Content of the course and students' ability to review content on their own
 - Expectations of next instructor, if any

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Taking a Second Science?

- Students may only take one science class per year
- "Doubling up" may be allowed if there is room in the fall, but not likely.
 - Process:** Put your second science course as a 7th choice. In the fall, if there is room, students will be placed by priority
 - Request what you really want:** In the past, some students have requested a certain "second science" course, while planning to switch it to a different science course early in Fall semester. When this occurs, it is highly unlikely the student will be permitted to make the switch.
 - Changing your choice in the fall:** No guarantee of getting another science course.

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For more information



- Science Department website: http://www.mvhs.fuhsd.org/travis_hambleton/science/index.htm
 - Frequently Asked Questions (FAQ)
 - Summer science programs, competitions, scholarships
 - Course textbook information (ISBN, etc.)
- Contact Science Department Chair
 - travis_hambleton@fuhsd.org
 - 408-366-7600 x 8845 (email is preferred)

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Recommendations for Advancement to Next Class

To take this...	We recommend you have this...
Biology	<ul style="list-style-type: none"> • No prerequisite
Chemistry	<ul style="list-style-type: none"> • Passing grade in Biology
Chemistry Honors	<ul style="list-style-type: none"> • B or better in Biology • B or better in Geometry/higher • Concurrent enrollment in Algebra 2/higher
Physics	<ul style="list-style-type: none"> • Passing grade in previous MV science course • B or better in Geometry and concurrent enrollment in Algebra 2/higher
Physics Honors	<ul style="list-style-type: none"> • B or better in previous MV science course • B or better in Algebra 2/higher Concurrent enrollment in Precalculus/higher
Physiology	<ul style="list-style-type: none"> • B or better in Biology AND B or better in either Chemistry course
AP Biology	<ul style="list-style-type: none"> • B or better in Biology AND B or better in either Chemistry course
AP Chemistry	<ul style="list-style-type: none"> • A in Chemistry (and teacher recommendation) or B or better in Chemistry Honors • Concurrent enrollment in Math Analysis or Precalculus
AP Physics	<ul style="list-style-type: none"> • A in Physics (and teacher recommendation) or B or better in Physics Honors • B or better in or concurrent enrollment in Calculus AB/BC
R.O.P. Engineering Tech	<ul style="list-style-type: none"> • A junior or senior, or 16 years or older • See Monta Vista Website for more information or contact Bruce Kawanami (bruce_kawanami@fuhsd.org) • Does not count as a “second science”

Selected Frequently Asked Questions and Answers – See our website for more

Q: Is it possible to take AP Bio without taking Biology, AP Chemistry without taking Chemistry/Chemistry Honors, or AP Physics without taking Physics/Physics Honors?

A: It is not recommended. The AP science courses are designed as SECOND year courses. Students are expected to know and understand the material from the first course. Students that try to skip and go directly to the AP course will not have the adequate background knowledge to succeed as well as students that have had the previous experience. For this reason, we recommend you take the first year for each of our AP science courses.

Q: Do Honors and AP Classes have a different 'weighting' for the GPA?

A: The transcript that our high school provides does not weight classes. That means an A in Chemistry Honors is worth the same as an A in Chemistry in our district's GPA calculation. Some colleges will "weight" a certain number of Honors/AP courses. For example, the UC system assigns extra grade points for up to four year-long honors level or AP courses taken in grades 10, 11, and 12. (An A = 5 points, B = 4 points, C = 3 points). A maximum of two yearlong courses taken in grade 10 are assigned honors points. Grades of D are not assigned extra honors points and are not recognized as “completion of course.”