

Monta Vista High School Science Department

Course Selection Guide 2007-2008

9th Grade Science = Biology

- Students may elect not to take a science course in 9th grade
 - In 2006-07, 94% of 9th graders are taking Biology
 - See your student's assigned assistant principal
- Year-long course (as are most classes at MV)
- Honors level not offered
- Topics:
 - Ecology
 - Cell Biology
 - Evolution
 - Genetics
 - Physiology
- 8-week dissection experience



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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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Biology: How to be successful

- Use the student planner/time management
- Become independent learners
- Use provided resources:
 - Teacher websites / School Loop
 - Teacher office hours and peer-tutoring program
 - Literacy skills: "Cornell" note-taking skills
- Complete assignments
 - Do not wait to finish an assignment at the last minute
 - Avoid plagiarizing
- Learn study skills
- Attend class/be on time



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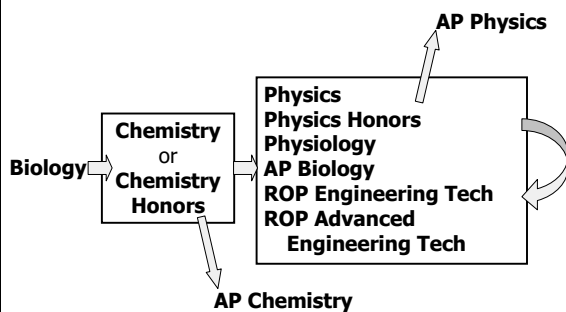
UC/CSU Requirements



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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After Biology: The Recommended Class Sequence



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Want to take an AP Class?

- AP Biology, AP Chemistry, AP Physics
- Second-year courses, following the regular or Honors class (except Biology)
 - Recommended prerequisites for:
 - AP Bio: Biology & Honors Chemistry
 - AP Chem: Algebra 2 & Honors Chemistry
 - AP Physics: Precalculus and Physics Honors
- Require independent reading and study beyond classroom instruction
- Consider student's preparation level and other commitments before enrollment



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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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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 Technology and R.O.P. Advanced Engineering Technology	<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) • Do not count as a "second science"