

Cell and Molecular Emphasis

Program Requirements	
Required Major Credits (Common Biology Core):	22
Required Major Credits (Emphasis):	15
Elective Major Credits (Biological Science Advanced Study):	18
Capstone Professional Experience:	1
Elective Credits (Emphasis):	4
Required Supporting Credits (Supporting Science):	15
Required Minor (none required):	0
Required Specified Liberal Arts Core Credits:	24
Required PTEP Credits:	0
Elective Liberal Arts Core Credits:	16
University-wide Elective Credits:	5
Total Credits required for this degree	120

*Course Category

Bio Core	Biology Core Course (required)
Emphasis	Required Major Course (emphasis)
Elective	Elective Major Course (Biological Science Advanced Study)
Sup Sci	Supporting Science or Mathematics Course (required)
LAC (sp)	Liberal Arts Core (required specified)
LAC	Liberal Arts Core
Uni Elec	University-wide elective course

Notes

- 1: Liberal Arts Core courses can be taken any semester. It is strongly suggested they be evenly distributed over the entire 4 years of study rather than concentrated in the first 2 years. **NOTE: Be certain to select courses from Areas 7 and 8 that also count for Areas 3, 4, or 5.**
- 2: Either PHYS 220/221 or PHYS 240/241 can be taken. PHYS 240/241 can be substituted but both MATH 131 and MATH 132 are required.
- 3: Elective Major Courses - Must take at least 18 credits from BIO courses at 300 level or higher. Course credit ranges from 1-4.
- 4: Capstone Professional Experience requirement can be met by completing a minimum of 1 credit hour from the following course options:
BIO 422, BIO 492, or BIO 494.
- 5: All Biology Majors must take the School of Biological Sciences Exit Exam during the last Semester of Senior Year.(Excluding summer).
Make an appointment at Testing Center.
- 6: All Biology Majors are required to have a minimum of a 2.0 GPA in all BIO prefix courses taken to meet their major requirements.
- 7: Students receiving "D" or "F" in BIO courses taken to meet their major requirements must repeat the courses or take suitable alternative courses as approved by their major advisor.
- 8: Either BIO 350 Human Physiology or BIO 354 Plant Physiology or BIO 552 and 553 are required. If BIO 552 and 553 are taken, 2 of the credits will apply towards the Biological Sciences Advanced Study category.
- 9: Some Upper Division Biology courses are offered every other year. Check with your advisor to find out when they are offered.
- 10: BIO 102, 103, 112, 114, 211 and 221 will count as Biological Science Advanced Study category.

Minimum entrance requirements for University of Colorado Medical School (as of 02/06)

Check other schools in which you are interested for their current requirements.

One year of biology (8 semester hours)
One year of general chemistry (8 semester hours)
One year of organic chemistry (8 semester hours)
One year of physics (8 semester hours)
Six credits of math (at least College Algebra & Trigonometry)
Nine credits of English (at least English Composition and English Literature)
Other recommended courses for University of Colorado Medical School
Calculus
Biochemistry
Statistics
Ethics
Computer Programming
Molecular Biology
Genetics