

# Honors Medical Interventions/ Biomedical



- UC Area “d” Credit
- Ohlone College Credit\*
- Discover your ability to diagnose, problem-solve, and work collaboratively to solve pressing health challenges
- Learn the roles of Biomedical Science professionals

This two-hour combination course offered at the MVROP Center Campus is comprised of two key rigorous and relevant PLTW Biomedical Science courses. The course will instruct one semester of the PLTW Medical Interventions curriculum and another with the Biomedical Innovation curriculum. \*Ohlone College Credit upon receiving a B- minimum grade (each semester) and receiving a B- minimum grade for each Ohlone Exam section (test given during course). *Prerequisite: Three years of high school science or completed the PBS/HBS course.*

## Honors Medical Interventions

In this first semester, students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat diseases. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. (UC “d” Credit)

All students must maintain a B or better with successful completion of classwork and attendance or they will not be eligible for enrollment into second semester and will be dropped.

## Honors Biomedical Innovation

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. Students will also have a unique externship opportunity such as a job shadow and/or a project at Ohlone College (UC “d” Credit)

To enroll or learn more about this program, talk to your counselor, visit your Career Center, or contact Ms. Farooq at: [mfarooq@mvrop.org](mailto:mfarooq@mvrop.org)

More information is also available at <http://www.mvrop.org/instructor/mfarooq.html>