**NYS CTE Model Program**

*In addition to identifying New York State model programs that have earned CTE Approved Program status, the CTE Technical Assistance Center of NY (CTE TAC) also recognizes as models other CTE programs that provide exceptional educational and career preparation opportunities to students. The New Visions: Medical program at Questar III BOCES is one example.*

**PROGRAM OVERVIEW**

The Questar III New Visions Medical program is designed for high school seniors who are planning to seek at least a four-year degree in a clinical medicine field. Most students aspire to become physicians, nurse practitioners, and other professional careers that require post-graduate work. Typically, students accepted into the program have a cumulative GPA near 95% and an average Regents/Common Core exam well above 90%. Students are selected from 20 participating school districts through a competitive process that includes an interview, an essay, and recommendations. Each year, 15 students are accepted, or about one third of the applicants. Admitted students exemplify the characteristics of maturity, responsibility, and work ethic.

In addition to rigorous high school work, New Visions Medical students enroll in campus-based college courses. During their first semester, the students take Human Biology at Russell Sage College. In the second semester, they enroll in regularly scheduled sophomore-level Anatomy and Physiology alongside college students in lectures and labs at Hudson Valley Community College. Throughout the year, students also take Examining Issues in Medicine and Healthcare through Literature at Russell Sage.

New Visions Medical students complete 140 – 150 hours of clinical shadowing. Each student shadows 45 – 50 times, including five surgical experiences, five rotations in the emergency department, all inpatient floors, respiratory therapy, cardiac catheterization, radiology, oncology, sleep lab, physical therapy, behavioral health, the lab and more. The students also have hands-on clinical laboratory experiences in the state-of-the-art facilities at Hudson Valley Community College, where they engage in several three-hour interactive laboratories in respiratory therapy, invasive cardiovascular technology, dental hygiene, paramedic services, and biotechnology.
KEY PROJECTS
New Visions Medical students work collaboratively on team projects that often integrate several subjects, including English language arts, economics, government, science, and medicine. The teams do research and present “grand rounds” cases in which they synthesize a fictitious patient’s history of the illness, do a review of systems, share the differential diagnosis, and describe the physiology of the disease, its incidence and prevalence, associated treatments, costs, and impact on society.

The program also hosts a health science fair at the local YMCA where visitors can ask students questions about their projects. In the 2018-19 school year, students also created human anatomy podcasts.

ARTICULATION AGREEMENTS
Russell Sage College and Hudson Valley Community College credits are directly transferable to institutions that accept transfer credit. Students graduate with 11 college credits.

PARTNERSHIPS
The program has strong partnership with three hosting institutions:

- St. Peter’s Health Partners and Samaritan Hospital for shadowing experiences
- Russell Sage College for Human Biology and English credits
- Hudson Valley Community College for Anatomy and Physiology

Students engage with the community by helping to lead activities at the Eddy Memorial Geriatric Center, by performing charitable outreach to Unity House for the homeless and victims of domestic violence, and by seeking partnerships with local middle and elementary schools for science outreach. Students also visit the Albany Medical College Simulation Center, and several students have had mentored experiences with personnel at Ellis Hospital. The program has established relationships with several independent health care offices throughout the region.

About CTE TAC of NY
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