

**2014  
AWARD  
WINNER**

**EXCELLENCE IN ACTION**

**Health Science**

**CAREER CLUSTER**

## **Medical Sciences Program Bollman Technical Education Center**

The Medical Sciences Program at Bollman Technical Education Center (BTEC) offers a variety of in-depth pathways that allow students to explore the Health Science Career Cluster®, along with the counseling, courses and structure to help them with the transition from BTEC on to postsecondary education or to work. An exceptionally high level of rigor helps students navigate their way through their program of study and apply their learning through innovative work-based learning experiences at partner institutions to prepare for the next step. Altogether, these steps lead to graduates who are fully positioned for success.

The BTEC Medical Sciences Program's 16 career pathways align with National Consortium for Health Science Education's standards, as well as Colorado state standards for CTE, the Health Science Career Cluster Knowledge and Skills Statement and expectations identified by local partners. academic/CTE integration, extensive counseling services and partnerships aimed at consistently improving program quality, BTEC Medical Sciences Program demands excellence from its students, and equips them to achieve it.

Out of a strong field of Health Science Career Cluster® applications, BTEC Medical Sciences Program's focus on providing college *and* career readiness distinguished it for a 2014 Excellence in Action Award.



*Students from the first year I taught Medical Sciences still return to tell me how they are progressing and how much the BTEC Medical Sciences program meant to them, then and now. Some of those students return to serve on our Medical Sciences Advisory Board and as guest speakers in the classroom. It is tremendously rewarding to impact young lives and help give them lifelong direction for success. We have an above average relationship with our students at BTEC. We model respect for them and they, in turn, model it back to us. This creates an environment in which staff and students love to interact and learn.*

*- Mary Flurkey, BSN, RN, Medical Sciences Program Chair  
Bollman Technical Education Center*

### *Fast Facts*

Students served (2013)	151
Male : Female	25 : 75
Low-income students	29%
Earned an industry-recognized credential	100%
Graduation rate	100%
Enrolled in postsecondary	95%
Entered workforce/military	26%

### *Partnerships*

Avista Adventist Hospital
Denver Health Medical Center
Vibra Hospital
Northglenn Ambulance
Northglenn Heights Assisted Living and Memory Care Unit
HOSA
Colorado Community Colleges

Learn more on BTEC Medical Sciences: <http://bollmantech.org>

Learn more on CTE: <http://careertech.org>

## Student-Centered Guidance

The Medical Sciences Program is tiered, with the introductory Medical Sciences I (360 hours) which then feeds seamlessly into Medical Sciences II/CNA (450 hours) or Medical Sciences II/EMR/EMT (450 hours). Collaborative planning keeps classes viable for students who want to complete both years or just one.

**Hands-on counseling services** assist students with career and postsecondary planning, resume building and to manage their individual program of study. Math and science integration specialists work full time to ensure students remain at or above their non-CTE peers' academic achievement levels.



*Nursing students perform true-to-life simulation to ensure that they have the knowledge and experience to execute a CNA's duties*



*EMT students prepare for the workforce with ride alongs and hands-on learning*

## Career-Ready Focus

The Medical Sciences Program is **focused intently on imbuing its students with practical, career-ready skills**. Upon successful completion of either Medical Science II course, students possess the skills and knowledge to be gainfully employed in the medical field. Taking a holistic approach to medical science education, students encounter career exploration, understanding of the student's role on the healthcare team, medical terminology, anatomy and physiology, pathophysiology, ethical and legal responsibilities, pharmacology, cultural diversity, infection control, vital signs, CPR and first aid.

Robust partnerships with local medical facilities give students a broad menu of choice for taking their study into the community, helping make **CTE work for Colorado**. The program **aggressively integrates work-based learning**, teaching Medical Sciences II/CNA nurse's aide skills through clinical experience in a long-term nursing facility or specialty hospital. Medical Sciences II/EMR/EMT learn EMR/EMT skills with ride-alongs and emergency room experience.

Teaching students to support themselves along the way is a key goal of the BTEC Medical Sciences Program. Given a plan of study, students receive support mapping out an individualized program for their own interests and are encouraged to explore their chosen field outside of school as they develop a four-year plan that guides them from the Medical Sciences Program into postsecondary study. They then complete and present a comprehensive career research project that maps the trajectory of a career in their field of choice.

To ensure that its programs remain cutting edge, BTEC Medical Science Program has fully integrated its program standards into the framework, and has instituted a policy of constant review and revision in consultation with its advisory board, the National Consortium of Health Sciences Education, the Colorado State Board of Nursing, the National Registry of Emergency Medical Technicians and state and local standards for health education.

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