CLINICAL EDUCATION AND INNOVATION CENTER

PROFESSIONAL DEVELOPMENT AT POUDRE VALLEY HOSPITAL AND MEDICAL CENTER OF THE ROCKIES

2016 Course Catalog
Clinical Education and Innovation Center

CEIC offers an expert teaching team and a state-of-the-art facility to support excellence in clinical care. We provide training and education to doctors, nurses, technologists, caregivers and students. We equip these workers with crucial skills to improve and preserve life. Our education programs serve the larger community, such as affiliated hospitals, long term care agencies, volunteer EMTs and students. We conduct scientific research and evaluation about health care processes. This rigorous analysis leads to innovation in care that improves patient outcomes in measureable ways.

In 2015, the CEIC trained more than 7,028 students and provided over 35,144 instruction hours.

Vision
Empowering health care professionals to influence quality care through education, research and evidence-based practice.

Mission
The Clinical Education and Innovation Center provides education and training to make a positive difference in the lives of UCHealth employees, students and patients in northern Colorado. Supporting health care professionals through an evidence-based and competency-based learning model, the center is committed to the formation of caring, confident and competent health care professionals prepared to meet the emerging health care needs of diverse populations.

Our programs
CEIC educational and simulation programs are developed in close collaboration with the UCHealth departments or community partners who use our services.

Contents

Clinical certification
» Include: BLS, ACLS, ACLS EP, AMLS, ENPC, NRP, PALS, PEPP, PHTLS, TNCC
» Descriptions: See pages three and four.
» Price sheet: For certification book and class price sheet, see page six.

Conferences
» For a list of upcoming conferences, see page four.

Clinical onboarding and continuing education courses
» Include: Offerings range from a robust Nurse Residency Program to professional development classes to evidence-based health care research and grant development. For a complete list, see page five.
» Descriptions: For professional development course descriptions, see page five.

About our faculty and leadership
» See page seven.

About our facility and clinical simulation
» See page seven.

Class registration
» Employees can register through ULearn.
» Community members can register at uchealth.org.

Student placement
» For questions or placement information, contact Jennifer Higgins or Jody DeStigter at studentsuchealthnorth@uchealth.org.
**Certification and clinical course descriptions**

The CEIC conducts clinical certification courses and related education available to both employees and community members. Many courses provide certifications through the American Heart Association, the Emergency Nursing Association, the National Association of Emergency Medical Technicians and the American Academy of Pediatrics.

Additionally, CEIC offers non-certification courses, such as basic and 12-lead electrocardiogram interpretation, that prepare clinicians both to be better equipped to treat their patients and to be successful in ensuing certification courses. The center provides outreach to hospitals and clinics in the form of mock codes, individual tutoring and mentoring, and in-service training sessions.

*For the class book and price sheet, [click here.](#)*

<table>
<thead>
<tr>
<th><strong>Name</strong></th>
<th><strong>Description</strong></th>
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<tbody>
<tr>
<td>Advanced Cardiac Life Support (ACLS) Physician Renewal</td>
<td>This five-hour American Heart Association renewal class is designed for physicians who give resuscitative care to adults. <em>Two-year certification awarded from the American Heart Association upon successful completion.</em></td>
</tr>
<tr>
<td>Advanced Cardiac Life Support (ACLS) Preparation Class</td>
<td>A great class for those taking ACLS for the first time. The goals of this eight-hour course are to help participants gain a solid understanding of the AHA ACLS curriculum and to contribute to their success in the ACLS course.</td>
</tr>
<tr>
<td>Advanced Cardiac Life Support (ACLS) Provider Class</td>
<td>This 16-hour American Heart Association class is for health care professionals who need initial ACLS certification. ECG interpretation is required. <em>Two-year certification awarded from the American Heart Association upon successful completion.</em></td>
</tr>
<tr>
<td>Advanced Cardiac Life Support (ACLS) Renewal</td>
<td>This eight-hour American Heart Association recertification course is for health care professionals who need to maintain ACLS certification. Individuals who possess a current ACLS card are eligible to renew through this one-day program. A mandatory AHA pretest and ECG pretest MUST be completed in advance of class. <em>Two-year certification awarded from the American Heart Association upon successful completion.</em></td>
</tr>
<tr>
<td>Advanced Medical Life Support (AMLS)</td>
<td>This 16-hour course is an advanced level continuing education course sponsored by the National Association of Emergency Medical Technicians (NAEMT) and endorsed by the National Association of EMS Physicians (NAEMSP). Participants apply critical thinking skills to integrate pathophysiology and assessment findings to determine appropriate interventions.</td>
</tr>
<tr>
<td>Basic ECG Interpretation</td>
<td>This six-week course is a comprehensive basic ECG course. Ideal for those health care professionals providing care for patients who require monitoring and who may also be at risk for developing dysrhythmias. Cardiovascular anatomy and physiology will serve as the foundation for analyzing cardiac rhythms and for the identification and analysis of dysrhythmias. RNs, RTs, UAs, Monitor Technicians and other allied health care professionals are welcome. No prior experience with ECGs is necessary for enrollment. Basic treatment modalities of dysrhythmias will be discussed as well as medications. <strong>21.75 contact hours awarded to RNs upon successful completion of this course.</strong></td>
</tr>
<tr>
<td>Basic Life Support (BLS) for Health Care Provider</td>
<td>This class provides initial training to professional rescuers on adult, child and infant CPR for one and two rescuers, as well as training on relieving an obstructed airway, use of a bag valve mask and AED training. <em>Two-year certification awarded from the American Heart Association upon successful completion.</em></td>
</tr>
<tr>
<td>ECG 12-Lead</td>
<td>This advanced 24-hour course is designed for those who provide care to patients requiring 12-Lead ECG monitoring and interpretation. Class meets at six four-hour sessions. Knowledge of cardiac rhythms is essential and will be tested at the beginning of the course. <strong>12.75 contact hours awarded to RNs upon successful completion of this course.</strong></td>
</tr>
<tr>
<td>Emergency Nursing Pediatric Course (ENPC)</td>
<td>This two-day course designed by the Emergency Nurses Association provides core-level pediatric knowledge and psychomotor skills needed to care for pediatric patients in the emergency care setting. It is recommended that each participant have at least six months of clinical nursing experience in an emergency care and or pediatric care setting. <em>Four-year certification awarded from the Emergency Nurses Association upon successful completion.</em></td>
</tr>
<tr>
<td>First Aid: Adult</td>
<td>This course teaches the basics of adult first aid for anyone, other than professional rescuers, who wants to learn first aid skills. <em>Two-year certification awarded from the American Heart Association upon successful completion.</em></td>
</tr>
<tr>
<td>Heartsaver CPR/AED</td>
<td>This class offers training for anyone, other than professional rescuers, who wants to learn CPR skills. Training is provided for adult, child and infant CPR as well as obstructed airway for all ages. <em>Two-year certification awarded from the American Heart Association upon successful completion.</em></td>
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For the class book and price sheet, click here.

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| Neonatal Resuscitation Program (NRP)                                | NRP is required for health care team members who attend deliveries and provide care for neonates during the first few days of life.  
  Two-year certification awarded from the American Association of Pediatrics upon successful completion. |
| PALS Physician Renewal                                              | This five-hour American Heart Association renewal class is designed for physicians who give resuscitative care to infants and children.  
  Two-year certification awarded from the American Heart Association upon successful completion. |
| PALS Preparation Class                                              | A great class for those taking PALS for the first time. The goals of this eight-hour course are to help participants gain a solid understanding of the AHA PALS curriculum and to contribute to their success in the PALS course. |
| PALS Provider                                                        | This eight-hour American Heart Association initial course is designed for health care providers who give resuscitative care to infants and children.  
  Two-year certification awarded from the American Heart Association upon successful completion. |
| PALS Renewal                                                         | This eight-hour American Heart Association renewal class is designed for health care providers who give resuscitative care to infants and children.  
  Two-year certification awarded from the American Heart Association upon successful completion. |
| Pediatric Education for Pre-Hospital Provider (PEPP)                 | This course was developed by the American Academy of Pediatrics and includes the most recent educational developments in pre-hospital pediatric care including the pediatric components of the National Standard Curricula for EMT-Basics, Intermediate and Paramedics. |
| Pre-Hospital Trauma Life Support (PHTLS)                            | The PHTLS Renewal Course is an intensive eight-hour experience and is available to all levels of pre-hospital care providers. Participants in the Renewal Course must have a current PHTLS Provider card. Programs are typically attended by emergency first responders (fire, police, search and rescue, etc.), EMTs, paramedics, nurses (including industrial based occupational health nurses), physicians and physician assistants. PHTLS is now offered in two formats: the Provider Course(two classroom days) and the Renewal Course (one classroom day). The Provider Course is open to all students and results in 16 hours of continuing education for EMS providers and a PHTLS Provider card for those who successfully complete the course. The Renewal Course (open only to providers with current PHTLS certification) results in eight hours of continuing education for EMS providers and a PHTLS Provider card for those who successfully complete the course. The Provider and Renewal courses are scenario-based, with lectures and interactive skills stations designed to enhance the pre-hospital care providers’ knowledge and further develop the critical thinking skills required to effectively treat the trauma patient in the field. |
| Skills Check for BLS                                                 | Renew your BLS card by completing the cognitive portion of the class online at onlineaha.org then contact the Clinical Education Training Center at 970.674.6550 to schedule a hands on skills check to receive your two-year certification. The online class, BLS for Health Care Providers Online Part I, costs $22, paid directly to the website. The skills check cost is $20 for UCHealth Employees, $40 for community members. |
| Trauma Nursing Core Course (TNCC)                                   | This two-day course designed by the Emergency Nurses Association provides core-level knowledge and psychomotor skills needed to provide care. For trauma patients in the emergency care setting.  
  Four-year certification awarded from the Emergency Nurses Association upon successful completion. |

Conferences

New and expanded services from CEIC include a greatly expanded conference schedule with Continuing Education hours available. All professional care providers are welcome to attend any of our conferences and are eligible for contact hours. Register at uchealth.org.

The CEIC offers several conferences throughout the year that support clinical excellence. Past conferences include an annual Cardiology Symposium, Everything Neuro, Trauma Care After Resuscitation, and End of Life Nursing Education.

Our upcoming conferences are listed below. For details, visit UCHealth.org.

TCRN Certification Review | Nov. 10-11  
Sharpen your trauma knowledge and prepare for the Trauma Certification exam.

Trauma Care After Resuscitation | April 7-8  
This course provides acute care, critical care and perioperative nurses the foundational, evidence-based information and critical thinking skills necessary to care for the hospitalized trauma patient. Register at tcarprograms.org.
Professional development courses

The RN Coordinators of Education Programs (CEPRN) in the Clinical Education department support lifelong learning for UCHealth Northern Colorado RNs and clinical staff through facilitating and coordinating the following programs:

- Clinical on-boarding and New Employee Orientation
- Clinical competencies
- Multiple clinical certification reviews and conferences
- Continuing education opportunities
- House-wide education initiatives
- Academic advising for clinical staff
- Nurse residency program
- Educational opportunities for clinical staff to advance their degrees
- New Product Training
- ECG
- 12-lead ECG
- Ebola/PPE Training
- Ancillary Staff Training

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<tr>
<td><strong>Nurse Residency Program</strong></td>
<td>Through a shared mission, UCHealth and our partnering academic nursing program seek to improve the safety and quality of patient care by providing excellent education and support to the new graduate nurse transitioning into professional practice. The Nurse Residency Program is designed to promote the development of competent nurses, able to demonstrate leadership in providing patient and family centered care based on evidence and reflecting the values of a magnet hospital environment. Cohorts for the Nurse Residency Program onboard in February, July, and October each year. To learn more about the Nurse Residency Program and the application process please visit: <a href="https://www.uchealth.org/professionals/Pages/Residencies/Graduate-Nurse-Residency-Program-at-MCRPVH.aspx">https://www.uchealth.org/professionals/Pages/Residencies/Graduate-Nurse-Residency-Program-at-MCRPVH.aspx</a></td>
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<tr>
<td><strong>UCHealth Preceptor Workshop</strong></td>
<td>The purpose of the UCHealth Preceptor Workshop is to enhance the knowledge and skills of the MCR and PVH RN Preceptor to provide an environment that fosters support for the preceptee. The nurse preceptor is a vital contributor in the recruitment and retention of new nurses and in the provision of quality care and optimal patient outcomes. Preceptors must be nurtured through quality programs and standards to prepare and sustain them in this vital role. <strong>Contact Hours: 3.5</strong></td>
</tr>
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| **Patient and Family - Centered Care: PFCC** | Class objectives:  
- To identify the definition of family  
- To describe the four core concepts of patient family-centered care; to compare the differences in paradigms  
- To discriminate different “centered cares.”  
- To describe the benefits of patient family-centered care  
**Contact Hours: 2.0** |
| **IV Therapy 101** | Vascular access is a skill that encompasses all aspects of nursing. Whether functioning in pediatrics, acute care, geriatrics or any other setting where nursing care is provided, odds are that venous access is a necessary skill to meet patient needs and carry out orders by a prescribing provider. Regardless of practice setting or level of Registered Nurse (RN) education, the RN should be competent to meet the vascular access needs of their patients, thus the importance of ongoing and evidence based training relative to the skill of intravenous therapies. After the completion of this four hour IV Therapy 101 course, the learner will be able to differentiate between peripheral venous access and central access. The learner will also demonstrate both the push-pause technique with flushing a line and how to prime a max-plus cap, along with being able to describe the process of a Central Venous Catheter (CVC) and Peripherally Inserted Central Catheter (PICC) dressing change. Additionally, learners will be able to discuss the differences and similarities between CVC’s, PICC’s and peripheral intravenous catheters (PIV). The governing bodies that guide our practice are the Infusion Nurse Society (INS) and the Association for Vascular Access (AVA). These standards of practice and guidelines will also be reviewed throughout the course, making it an essential class to any RN managing the various types of venous access devices that may be present with their patients. These four-hour training sessions are offered once every quarter. The topics vary by quarter based on annual learning needs assessment data, performance data related to HCAHPS, safety and core measures and topics identified by educators and learners that would help NA’s, PCT’s, Sitters and MA’s perform their roles more effectively. Continuing Education credits are offered for each session.  
Class objectives:  
- State two defining characteristics of Moderate Sedation/Analgesia.  
- Identify the two evaluations required by the Moline-Roberts Pharmacologic Sedation Scale.  
- Describe the role of the monitoring registered nurse.  
- Compare and contrast the actions of benzodiazepines and opioids.  
- Discuss a major age related risk for both pediatric and geriatric populations.  
**Contact Hours: 3.6** |
<p>| <strong>Neuraxial Course</strong> | Help prepare the nurse to provide care to patients who have received intraspinal anesthesia and ongoing intraspinal analgesia by reviewing anatomy, physiology of drug action, potential complications and management of those complications. <strong>Contact Hours: 3.5</strong> |</p>
<table>
<thead>
<tr>
<th>Class name</th>
<th>Class description</th>
<th>Class price with book</th>
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<tbody>
<tr>
<td>ACLS Physician (Physicians only)</td>
<td>5 p.m.-10:15 p.m.</td>
<td>Evenings</td>
</tr>
<tr>
<td>ACLS Preparation</td>
<td>8 a.m.-4:30 p.m.</td>
<td>One-day class</td>
</tr>
<tr>
<td>ACLS Provider</td>
<td>8:30 a.m.-5 p.m.</td>
<td>Two-day class</td>
</tr>
<tr>
<td>ACLS Renewal</td>
<td>8:30 a.m.-5 p.m.</td>
<td>One-day class</td>
</tr>
<tr>
<td>ACLS Skills Check</td>
<td>Schedule with instructor.</td>
<td>$40 Community member</td>
</tr>
<tr>
<td>AMLS</td>
<td>Two-day class</td>
<td>EMS</td>
</tr>
<tr>
<td>BLS for HCP</td>
<td>Two-year certification</td>
<td>BLS for health care providers (HCP)</td>
</tr>
<tr>
<td>BLS Skills Check</td>
<td>Schedule with instructor.</td>
<td>$40 Community member</td>
</tr>
<tr>
<td>BLS Instructor for HCP</td>
<td>You can do initial and renewal in the same class.</td>
<td>$100</td>
</tr>
<tr>
<td>ECG Interpretation</td>
<td>8 a.m.-noon</td>
<td>Six-week class</td>
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<tr>
<td>ENPC</td>
<td>8 a.m.-5:30 p.m.</td>
<td>Two-day RN class</td>
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<tr>
<td>Heartsaver CPR (for non-health care providers)</td>
<td>9 a.m.-12:30 p.m.</td>
<td>Saturdays every other month</td>
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<tr>
<td>Heartsaver CPR Skills Check (for non-health care providers)</td>
<td>Schedule with instructor.</td>
<td>$40</td>
</tr>
<tr>
<td>Heartsaver First Aid</td>
<td>1 p.m.-3:30 p.m.</td>
<td>Saturdays every other month</td>
</tr>
<tr>
<td>Heartsaver First Aid Skills Check</td>
<td>Schedule with instructor.</td>
<td>$25</td>
</tr>
<tr>
<td>Heartsaver CPR and First Aid Skills Check</td>
<td>Schedule with instructor.</td>
<td>$50 Community member</td>
</tr>
<tr>
<td>IV Therapy</td>
<td>8 a.m. - 12 p.m.</td>
<td>Offered quarterly</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>5 p.m.-8 p.m.</td>
<td>Seven-week class</td>
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<tr>
<td>NRP</td>
<td>Four 4-hour classes a month</td>
<td>Two-year certification</td>
</tr>
<tr>
<td>PALS Provider</td>
<td>8:30 a.m.-5 p.m.</td>
<td>Two-day class</td>
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<tr>
<td>PALS Renewal</td>
<td>8:30 a.m.-5 p.m.</td>
<td>One-day class</td>
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<td>Two-day class</td>
<td>EMS</td>
</tr>
<tr>
<td>PHTLS Renewal</td>
<td>One-day class</td>
<td>EMS</td>
</tr>
<tr>
<td>TNCC</td>
<td>8 a.m.-5:30 p.m.</td>
<td>Two-day RN class</td>
</tr>
<tr>
<td>12-Lead ECG</td>
<td>1 p.m.-5 p.m.</td>
<td>Six-week class</td>
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Leadership

Sheila Kloster Prew, Regional Director
Kloster Prew joined UCHealth in June of 2014. Previously she held positions at Northern Illinois University as an advisor and operations manager for the College of Business Experiential Learning Center where she also taught graduate and undergraduate courses in strategic information systems, project management and first year transitions. She holds a Master of Science in operations management and information systems from NIU and a Bachelor of Science in psychology from Illinois State University. She is also a certified manager through James Madison University, a Master Microsoft Certified Application Specialist, a certified Six Sigma Green Belt and a certified project management professional.

Mary Jo Koschel, MSN, RN-BC, Operational Manager
Koschel has a Master of Science in Nursing from the University of Colorado in Denver and is an active member on their alumni scholarship committee. She is ANCC board certified in nursing professional development.

Clinical simulation

Clinical simulation, an evidenced based learning strategy, offers participants unique opportunities to practice their skills in simulated patient scenarios while integrating prioritization, skill acquisition, communication and delegation. Clinical simulation education specialists facilitate the evidence based components that include an orientation, pre-briefing, simulation execution and debriefing for each scenario through guided reflection practices. Our high-fidelity simulation family is comprised of six simulators including newborn, pediatric, adult and birthing simulators.

In situ simulations can be provided outside of our simulations center when appropriate to meet the educational objectives.

Examples of clinical simulations provided include neonatal resuscitation program certifications; unit based annual competencies specified per discipline, interdisciplinary mock codes and mock trauma simulations.

Facility

CEIC conducts training across Northern Colorado and for affiliated hospitals in Nebraska and Wyoming. We are headquartered in Windsor, Colorado with a medical simulation lab and multipurpose classrooms available for meetings and seminars. We have a retired ambulance that has been converted into a mobile simulation trainer that allows us to bring simulation training to you.

Faculty

The faculty of the CEIC includes 10 educators who have an average of 29 years of experience in health care. This staff is supplemented by adjunct faculty members with specialized knowledge who serve in diverse parts of the UCHealth system. Our team combines a variety of advanced nursing credentials, board certifications, education certifications and clinical experience.

Drue Bralove, BA, EMT-P
Coordinator AHA

Faith Cantrell, MSN, RN
Coordinator, Nurse Residency Program

Jody DeStigter, MS, RN-BC
Coordinator, Education Programs, RN

Jennifer Higgins, MSN, RN, CNL, CNOR
Coordinator, Education Programs, RN

Braden Jeffs, BA
Simulation Lab Technician

Cindy Joseph, BSN, RN, CFRN
Coordinator AHA, RN

Sonni Logan, MSN, RN, PCCN, CVN II- BC CEN
Coordinator AHA, RN

Linda Sullivan, MS, RN-BC, ACNS-BC, APRN, CVRN
Coordinator, Education Programs, RN

Laura Wining, MSN, RN, CAPA, CHPN
Coordinator, Education Programs, RN
New partnership proposals

CEIC is actively seeking innovative proposals for new education partnerships from the UHealth community and health providers or colleges across northern Colorado. For more information regarding grants or partnerships, please contact our grants coordinator at bill.stout@uchealth.org or 970.674.6554.

Bill Stout
Grant Coordinator
Stout holds a BA in Journalism, and an MBA. He has 35 years of experience in human services leadership, fund development and grant writing experience. He has worked in a variety of private and public agencies, each of which had a mission of changing lives in positive ways.

Contact and location

Contact CEIC
Phone: 970.674.6550
Fax: 970.674.6595
Email: ceic@uchealth.org

Location
CEIC classes and other educational programs are offered at a variety of locations, so please double check the locations listed in this catalog.

Physical and mail address
Clinical Education and Innovation Center
Marina Health Campus
1870 Marina Drive, Suite 201 Windsor, CO 80550