

CARDIOVASCULAR NURSE SPECIALTY PROGRAM

Presented By: Dawna L. Cato PhD., MS.Ned, BSN, RN
Contact: azheartcvns@gmail.com

Cardiovascular Nurse Specialty Program

Mission and Goals

The Cardiovascular Nurse Specialty program embodies the Foundation's mission:
To Care, To Teach, To Pioneer.

Program Goal

The goal of this program is to prepare nurses with the knowledge, skills, and attitudes to demonstrate competent clinical performance/expertise in the cardiovascular specialty and improve patient care outcomes.

Program Pertinence:

The Cardiovascular Nurse Specialty Program provides a workforce pipeline for the cardiovascular specialty line of service. The anticipated challenges of the changing demographics of registered nurses, aging population, and health care system reform indicate a critical need for educational programs that support lifelong learning and organizational transformation that meet and/or exceed safe quality care outcomes. The Cardiovascular Nurse Specialty Program is a blended- learning approach to advance the nurse from novice to expert with the intentional outcome of passing the certification exam for the cardiovascular specialty area. In addition, programmatic evaluation and nursing research will define the linkage between the Cardiovascular Nurse Specialty Program and optimal patient care outcomes.

Cardiovascular Nurse Specialty Program

Program Learning Outcomes:

1. Provide safe quality patient care for patients with cardiovascular disease
2. Use evidence for clinical decision making
3. Advance professional confidence and competence as evidenced by passing National Certification

Program Description:

The Cardiovascular Nurse Specialty Program is a unique interdisciplinary program that combines didactic material and in-depth clinical experience. Using a blended-learning approach, this program includes three phases to transition nurses to the cardiovascular specialty practice arena.

Cardiovascular Nurse Specialty Program

Phase I

This phase is intended for emerging novice nurses that would like to experience the cardiovascular arena optimizing the clinical preceptorship experience of their academic program. Through practice- academic collaboration the participant is intentionally placed in the cardiovascular specialty area for socialization to organizational culture and the complex practice arena. This phase provides support from practice, academia, regulation and the Arizona Heart Foundation Program leadership.

Eligibility Criteria: In good standing with accredited nursing program and current GPA of 3.5 or above.

Phase II- Length 12 weeks

This phase is intended for emerging nurses who strive for elevated professional performance in the cardiovascular practice arena. This blended learning approach will include 12 weeks of content with a 12-hour commitment each week to learning outcomes. **Eligibility Criteria:** Graduated from an accredited nursing program with active unencumbered RN License

Phase III- Length 6 months

This phase is intended for ongoing support and guidance to implement knowledge gained, develop and test an Evidence-Based Practice Project, and continue content review for National Certification. The participant will be required to attend a monthly continuing education activity event for 2 hours.

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Phase II weekly requirements:

1. 4 hours of Didactic Sessions. 2 hours self-directed online learning, and 2 hours' classroom instruction. The participant will engage in self-directed online learning modules to prepare for robust, interactive discussion during didactic sessions. Didactic instruction is held every Monday from 1245-1445

48 Continuing Education (CE) Hours:

1. 2 hours of simulation scenarios immediately following didactic instruction. The participant will demonstrate application of knowledge through experiential learning via low and high-fidelity simulation scenarios. Simulation is held every Monday 1500-1700 .

21 Continuing Education (CE) Hours:

1. 6 hours of practicum each week in the core areas of: Cardiovascular Intensive Care Unit (CVICU), High-Acuity Telemetry, Cardiac Rehab, Physician Collaboration, Cardiovascular Surgery, Diagnostic testing, Electrophysiology Lab, Cardiac catheterization lab, Post Anesthesia Care Unit (PACU), Outpatient Clinics (murmur clinic, Heart Failure Clinic). Arrangements for the practicum experience will be coordinated for each student individually, using and individualized learning plan, in collaboration with the AZ Heart Foundation programmatic leadership. Please note: Practicum experiences may be completed at place of employment with completion of learning objectives signed by unit Manager/Director. **60** Continuing Education (CE) Hours:

Phase II total 129 CNE hours awarded-Largest CE Activity awarded by the WMSD to date.

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Phase III- Length 6 months

The participant will be required to attend a monthly continuing education activity event for 2 hours.

Eligibility Criteria: Active RN License and recommendation from organizational leadership.

Evidence-based Practice (EBP) Project

The goal of EBP is the integration of:

- (a) **clinical expertise**
- (b) **best current evidence**
- (c) **client/patient perspectives**

The EBP project promotes the “spirit of inquiry” and empowers frontline nursing to make clinical decisions based on evidence versus traditional norms. The EBP projects are designed to provide high-quality services reflecting the interests, values, needs, and choices of the individuals we serve.

Phase III total 12 CNE hours awarded

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Each Module is developed with:

comprehensive planning table (see handout)

Classroom and Simulation Evaluation

Practicum Experiential Learning Evaluations



Educational Planning Table and Agenda

Title of Activity: Cardiovascular Nurse Specialty Educational Program Module I

Learning Outcome(s): Didactic-The cardiovascular registered nurse collects comprehensive data pertinent to the patient's health and/or situation

1. Recognize developmental stages.
2. Identify and discuss the correlation between anatomy and pathophysiology with myocardial preload, afterload, and demand in various disease conditions including valvular, myocardial, ischemic and congenital heart disease.
3. Conduct a comprehensive clinical interview (e.g., patient history, chief complaint, psychosocial assessment, allergies).
4. Identify emergent, urgent, and crisis situations.

Learning Outcome(s): Simulation/Practice Immersion- The cardiovascular registered nurse analyzes the assessment data to determine the diagnosis or the issue.

1. Demonstrate appropriate investigation of potential etiology.
2. Recognize the findings on history and exam suggesting a diagnosis.

TIME ALLOTMENT*			LIST EACH SESSION TITLE & PRESENTER	CONTENT (Topics) Provide an outline of the content	TEACHING METHODS/LEARNER ENGAGEMENT STRATEGIES
Start Time	Stop Time	Total Minutes			
		2 CNE contact hours*See Mergener Formula Worksheet	Enduring Material: Assessment of the Cardiovascular System <u>Scarlett Pegram BSN, RN, CCRN, TNS, FNE</u>	Online reading assignment to prepare for robust, interactive discussion during didactic sessions Review Anatomy and Physiology of the Cardiovascular System: Supplement to Assigned Reading: Read: Core curriculum for vascular nursing; Chapter 1, 3, 24 Bates' guide to physical examination and history-taking; Chapter 4, 5 Cardiovascular nursing: Scope and standards of practice; pgs. 1-13 (half page)	<input checked="" type="checkbox"/> Video Links <input checked="" type="checkbox"/> Pre/Post Test (post-test to be given prior to start of didactic session)



1230	1245	15	Didactic Session Introduction/Announcements/Program Review		
1245	1315	30	Post Test Online Module I		
1315	1445	90	Assessment of the Cardiovascular System <u>Scarlett Pegram BSN, RN, CCRN, TNS, FNE</u>	Cardiovascular Anatomy and Physiology: <ul style="list-style-type: none"> ➤ Structures and Functions ➤ Conduction System ➤ Blood Supply and Systemic Circulation ➤ Electrophysiology and Cardiac Cycle ➤ Changes that occur in the vascular system with aging 	<input checked="" type="checkbox"/> Integrating opportunities for dialogue or question/answer <input checked="" type="checkbox"/> Including time for self-check or reflection <input checked="" type="checkbox"/> Audience Response System <input checked="" type="checkbox"/> Analyzing case studies <input checked="" type="checkbox"/> Providing opportunities for problem-based learning <input checked="" type="checkbox"/> Pre/Post Test <input checked="" type="checkbox"/> Other—Describe: Socratic Questioning, Mind Mapping, Gaming, Presentations, high and low fidelity simulation.
1445	1500	15	Break		
1500	1630	90	Assessment of the Cardiovascular System-Simulation <u>Scarlett Pegram BSN, RN, CCRN, TNS, FNE</u>	High Fidelity Simulation-Assessment of the Cardiac Patient with EKG Rhythm Strip and 12-Lead Interpretation	<input checked="" type="checkbox"/> Integrating opportunities for dialogue or question/answer <input checked="" type="checkbox"/> Including time for self-check or reflection <input checked="" type="checkbox"/> Analyzing case studies <input checked="" type="checkbox"/> Providing opportunities for problem-based learning <input checked="" type="checkbox"/> Pre/Post Test <input checked="" type="checkbox"/> Other—Describe: Socratic Questioning, Mind Mapping, Gaming, Presentations, high and low fidelity simulation.
1630	1700	30	Closing and evaluation		
		360	Clinical Immersion: Assessment of the Cardiovascular System- Recommended Clinical Immersion Areas: <ul style="list-style-type: none"> • Cardiac Intensive Care Unit • High Acuity Telemetry Unit 	Focus on practice application of assessment knowledge and skill in clinical practice arena	<input checked="" type="checkbox"/> Integrating opportunities for dialogue or question/answer <input checked="" type="checkbox"/> Including time for self-check or reflection <input checked="" type="checkbox"/> Analyzing case studies <input checked="" type="checkbox"/> Providing opportunities for problem-based learning



		360	<p>Clinical Immersion: Assessment of the Cardiovascular System-</p> <p>Recommended Clinical Immersion Areas:</p> <ul style="list-style-type: none"> • Cardiac Intensive Care Unit • High Acuity Telemetry Unit 	Focus on practice application of assessment knowledge and skill in clinical practice arena	<input checked="" type="checkbox"/> Integrating opportunities for dialogue or question/answer <input checked="" type="checkbox"/> Including time for self-check or reflection <input checked="" type="checkbox"/> Analyzing case studies <input checked="" type="checkbox"/> Providing opportunities for problem-based learning
Total Agenda Minutes		630	Add all minutes including NON-CE content minutes, introductions, breaks and meals *Note-Enduring Material Not Included.		
Total Contact** Minutes			<p>Total CNE Enduring Material: 2 contact hours (see Mergener Formula Worksheet)</p> <p>Total minutes Didactic/Simulation _255_ minus total NON-CE minutes__15_ divided by 60 = _4_ contact hours</p> <p>Total minutes Clinical Practicum: 360 minus total NON-CE minutes__0_ divided by 60 = _6_ contact hour</p> <p>Total CNE Contact Hours Awarded for Module I = 12</p>		

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The Cardiovascular Specialty Program uses the standards of care and professional practice as defined by the American Nurses Association Cardiovascular Nursing: Scope and Standards of Practice. (2015, 2nd ed.). During the blended learning program the participants will demonstrate a set of core competencies (Massachusetts Department of Higher Education Nurse of the Future Competencies Committee, 2016; QSEN, 2014, IOM, 2003) to prepare for the future role of in cardiovascular care. Blended Learning activities include flipped classroom, simulation, online, and immersion experiences.

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FUTURE GOALS

- Accredit the program as an RN Fellowship: Planned, comprehensive program through which currently licensed, registered nurses with 6 or more months of experience can acquire the knowledge, skills, and professional behaviors necessary to deliver quality care that meets standards of practice defined by a professional society or association or the applicant organization. The program may include organizational orientation and must include practice-based experience and supplemental activities to promote nursing professional development. All registered nurses (or international equivalent) who have graduated from an accredited school of nursing are eligible (ANCC, 2016, pg. 5)
- Shift to interdisciplinary approach for continuing professional development
- Expand programs to include Cardiac Cath Lab and Pediatric Cardiovascular Nursing
- Increase scalability by providing licenses to organizations that would like to operationalize the program

Start Dates & Cost

- Program Cost: \$6,000.00 includes all phases, materials, textbooks and one attempt at National Certification.

<u>Start Dates:</u>	<u>Application Deadline Dates:</u>
• September 10, 2018	August 13, 2018
• January 07, 2019	December 14, 2018
• May 6, 2019	April 15, 2019
• September 9, 2019	August 12, 2019

This continuing nursing education activity was approved by the Western Multi-State Division, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Arizona, Colorado, Idaho, and Utah Nurses Associations are members of the Western Multi-State Division.

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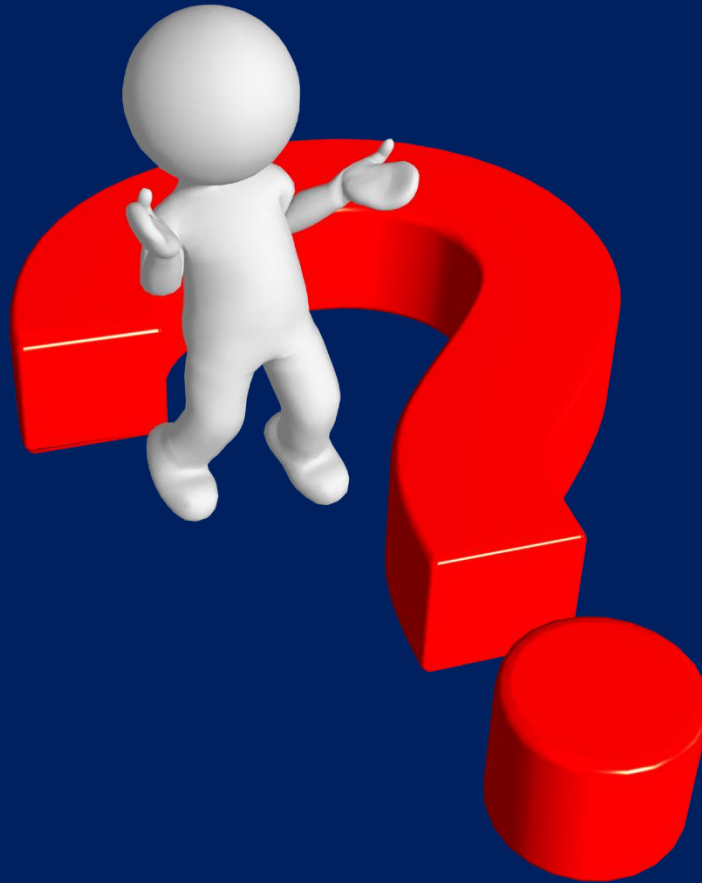
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