

**Southeast Tech**  
Invasive Cardiovascular Technology Program Overview  
**EXECUTIVE SUMMARY**

**Purpose:**

To provide the School Board information about the Invasive Cardiovascular Technology program at Southeast Tech.

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The presentation will provide the School Board information about the Invasive Cardiovascular Technology program at Southeast Tech, and introduce the instructor involved. The information shared will include data on the faculty, students and graduates of Southeast Tech, program details, student demographics and career/employer information. This program is a two year AAS Degree that often takes a third year for prerequisites to be completed and is part of the Health Programs.

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**Administrative Recommendation to School Board:**

To acknowledge the Southeast Tech programs Overview Report.

# This is Our Story:

## Invasive Cardiovascular Technology

Report to Sioux Falls School Board  
August 1, 2018

**SOUTHEAST  
TECH**

INVASIVE CARDIOVASCULAR TECHNOLOGY



# Invasive Cardiovascular Technology

# Our Faculty

- ***Patrick Hoier, BS RCIS RCSA CTAE FSICP***
  - 18 years teaching experience
    - BryanLGH College of Health Sciences, Lincoln, NE (2000-2007)
    - Southeast Technical Institute (2007 – Present)
  - 17 years of industry experience
    - St. Francis Regional Medical Center, Wichita, KS
    - Bryan Medical Center, Lincoln, NE
  - Continuing Education: Currently completing MS in Health Care Ethics – Creighton University

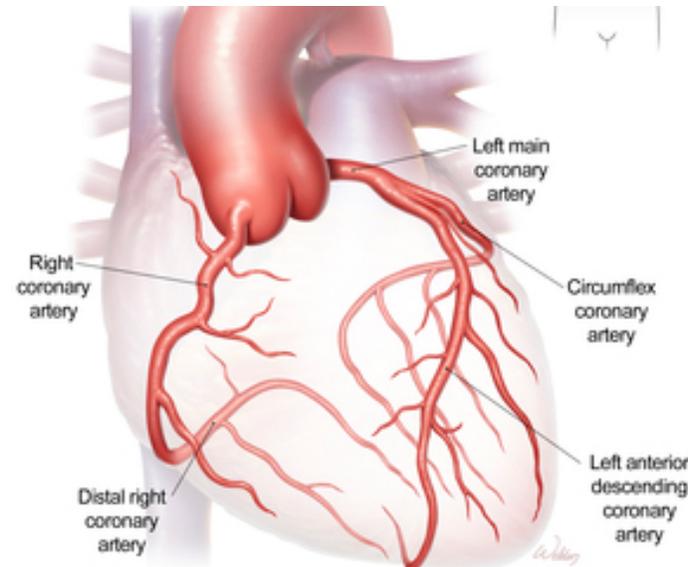


# Who are our Students?

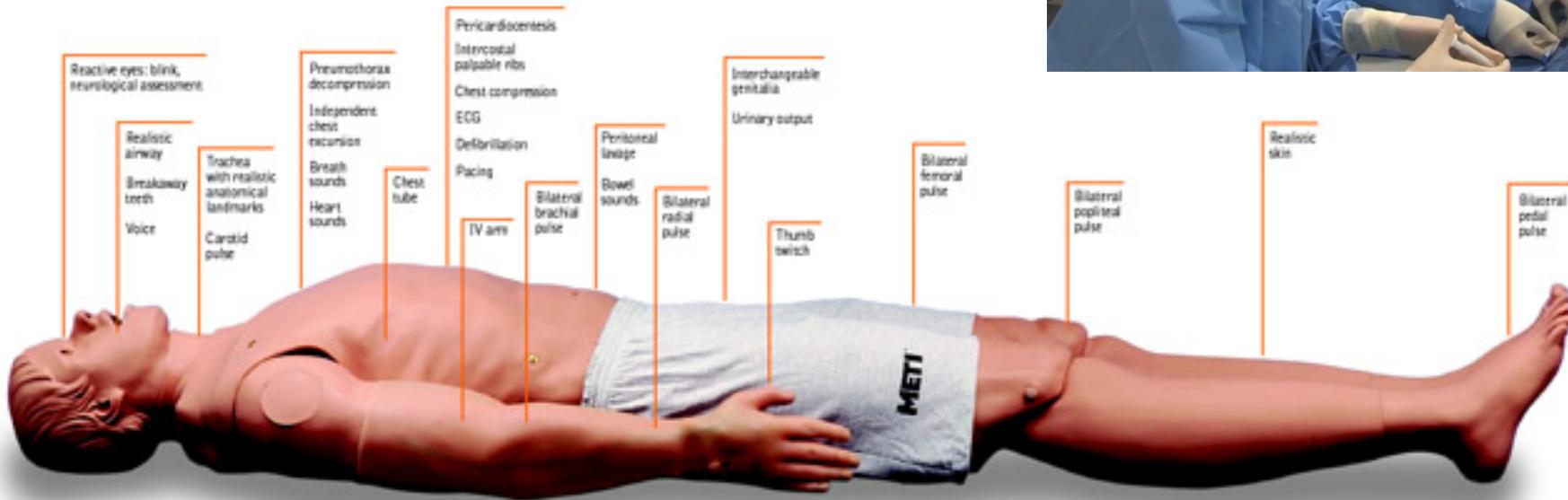
- Traditional Students: South Dakota, Iowa, Minnesota, North Dakota, Nebraska, Colorado
  - Represents students enrolled in the 2016, 2017, and 2018 enrollment years
- Transfer Students: from 4 year schools
- Non-Traditional: seeking new careers, advancement or retraining

# What do Invasive Cardiovascular technology students learn?

- First Surgical Assistant
  - Surgical preparation
  - Methods of obtaining and maintaining vascular access
  - How to assist Cardiologist and Cardiovascular Surgeons with invasive procedures
  - Function and utilization all interventional and angiography equipment
  - How assist with placement of cardiovascular catheters and interventional equipment
- Procedural Circulation
  - Medication administration
  - Starting and maintaining IV access
  - Patient assessment
  - Advanced cardiac lifesaving techniques
- Radiographic Imaging
  - Obtain all fluoroscopy and cineangiography (X-ray) images



# Simulation Training



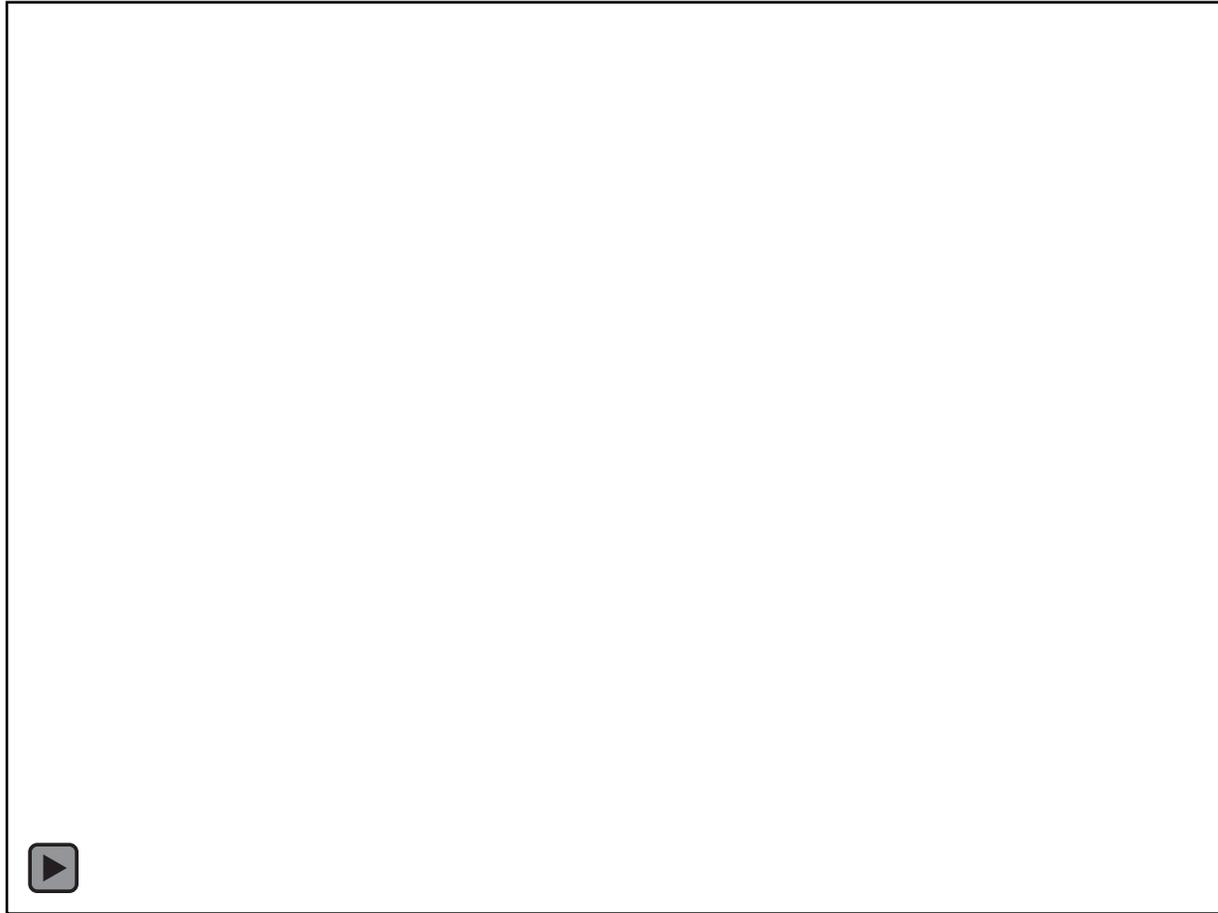
# What do Invasive Cardiovascular students do?

- The Invasive Cardiovascular Specialist is a health care professional who, through the use of specific high-technology equipment and at the direction of a qualified physician, performs procedures on patients leading to the diagnosis and treatment of congenital and acquired heart and vascular disease.
- Invasive cardiovascular procedures are performed in a surgical environment, and utilize ionizing x-rays to image and evaluate the cardiovascular structures.
- The purpose of the invasive cardiovascular procedures is to identify and repair, when possible, pathologies involving the heart blood vessels.

# Coronary Angiography



# Coronary Angioplasty



# Where are Southeast Tech students employed?

- Sanford Medical Center, Sioux Falls
- Avera Heart Hospital, Sioux Falls
- Rapid City Regional Medical Center, Rapid City
- Avera St. Luke's, Aberdeen
- Sanford Broadway medical Center, Fargo, ND
- St. Alexius Health, Bismarck, ND
- Mercy Medical Center, Des Moines, IA
- Mercy Medical Center, Mason City, IA
- Littleton Adventist, Littleton CO
- Swedish Medical Center, Englewood, CO
- North Colorado Medical Center Banner Health, Greeley, CO
- UC Health, Colorado Springs, CO
- Heartland Health, St. Joseph, MO
- Mayo Hospital, Rochester, MN
- University of Wisconsin Medical Center, Madison, WI
- Carillion Health, Roanoke, VA
- St. Alphonsus Regional Medical Center, Boise, ID

# National Recognition of Program Faculty



MTS » Cardiovascular Technologist » 20 Top Cardiovascular Technology Instructors



## PATRICK HOIER

Southeast Tech - Sioux Falls , South Dakota

Patrick, an instructor at **Southeast Tech**, in Sioux Falls, South Dakota, has credentials including Registered Cardiovascular Invasive Specialist (RCIS) and Registered Cardiovascular Specialist Assistant and is a fellow with the Society of Invasive Cardiovascular Professionals (SICP). A former student of the school, he returned to Southeast Tech in 2006 to become director of the program from which he graduated. He holds a bachelor's of science degree in Allied Health and is also working toward completion of a master's degree.

<https://www.medicaltechnologyschools.com/cardiovascular-technologist/top-cardio-tech-instructors>



# Accreditation Status

- The Invasive Cardiovascular Program is accredited by the Joint Commission on Education in Cardiovascular Technology (JRC-CVT).
- On March 18, 2016, the JRC-CVT renewed the accredited status of the invasive program until 2026.



# DATA

- Only Invasive Cardiovascular Program in surrounding area: South Dakota, Iowa, Colorado, Wyoming, Missouri
- EMPLOYMENT within 6 months of graduation (past 8 years)
  - 100% employed; all employed in field
- Where are our Grads working: (2018 Data Only)
  - SD 57% (4 students)
  - ND 14% (1 student)
  - MO 14% (1 student)
  - CO 14% (1 student)
- CCI exam pass rates: 95% (10 year cumulative)



# Thank you

Administrative recommendation to School Board:

To acknowledge the Southeast Tech : This is Our Story Report

Questions?



INVASIVE CARDIOVASCULAR TECHNOLOGY