



PRINCE GEORGE'S
COMMUNITY COLLEGE



Preparing Healthcare Providers for Today's Complex Healthcare System: A Community College Perspective

Dr. Sandra Dunnington

Vice President for Academic Affairs

Prince George's Community College

Largo, MD



Community Colleges in United States

- Serve close to 50% of all undergraduate students
- Comprehensive mission
 - Open access to persons who may otherwise not have access to postsecondary education
 - Prepare students in degree programs that lead to gainful employment and career path
 - Prepare students for transfer to 4-year institutions
 - Provide training for entry into and advancement in workforce
 - Offer Non-credit programs
 - ESL to ABE/GED to Personal Enrichment



Community Colleges in Maryland

- 16 colleges; independent, not a state system
- Funding
 - Local (County)
 - State
 - **Tuition and Fees**
- Prince George's is 4th largest Community College and 5th largest of all colleges in Maryland
 - Serve approximately 44,000 students annually

Prince George's Community College VISION AND MISSION

Vision

Prince George's Community College will be the community's *first choice for innovative, high quality learning opportunities.*

Mission

Prince George's Community College *transforms students' lives.* The college exists to educate, train, and serve our diverse populations through accessible, affordable, and rigorous learning experiences.

Fall, 2012 Credit Students Enrolled = 13,824

Demographic Profile*	Proportion
Full-time	29%
Prince George's County Resident	93%
Minority	94%
Female	63%
Age 24 or under	53%
U.S. Citizen	79%
<i>Attending College for the First Time</i>	20%

* All calculations eliminate "unknowns"



Impact of Open Access: Academic Preparation & Progress

2012 Indicators	Proportion
First-generation college students	40%
Students needing developmental courses	77%
Students completing required developmental courses within four years	26%



Careers in the Health Sciences @ PGCC

- **Workforce Training: Meeting Workforce Needs (*examples*)**
 - Certified Nursing Assistant
 - Phlebotomist
 - Pharmacy Assistant
 - Medical/Coder Biller
- **Contract Training**
 - Medical terminology for non-native English speakers



Careers in the Health Sciences @ PGCC

- **Credit Programs: Certificates and Degrees**
 - LPN and RN; EMT to RN
 - EMT – Basic, Intermediate, and Paramedic
 - Respiratory Therapy
 - Nuclear Medicine Technologist
 - Health Information Management
 - Radiology Technologist
 - New Programs
 - Medical Assistant, Surgical Technologist, and Physician Assistant (2 plus 40)



Integrating Information Assurance/Security in Health Programs

- CyberWatch National Center
 - National Advanced Technology Education (ATE) Center funded by National Science Foundation
 - \$5.3 Million over 4 years
 - Follows 7 years as a Regional ATE Center
- Mission
 - To advance cybersecurity education by leading collaborative efforts to strengthen the national cybersecurity workforce



Integrating Information Assurance/Security in Health Programs

- Consortium
 - 50 two-year colleges
 - 45 four-year institutions...across 29 states
 - 28 industry partners
 - 3 government partners
 - 6 public school systems
 - 2 non-profit organizations

Creating Innovative and Cost-Effective Options

- The First Middle College High School in the Region
- ***The Academy of Health Sciences @ PGCC***
- Focused on students with an interest in Health or STEM careers



The Academy of Health Sciences (AHS)



- Opened in Summer 2011
- Located on Largo campus
- Dual Enrollment
- At completion
 - High School Diploma
 - ***Associate's Degree in General Studies***

Academy of Health Sciences

- 100 students per grade level, beginning with 9th grade class
50% of seats
 - Low socio-economic homes and/or first generation college students
- Begin college courses in 9th grade



Academy of Health Sciences



- Prepares students to enter one of PGCC's Health Sciences Programs or transfer to a four-year institution's health science program.
- Considered college student – ID, Student Number, etc.

Academy Students



“This school has been an amazing experience! The teachers here are really helpful and want nothing but the best for all of us. Even though we learn at a fast pace, they make it easy and understandable.” Franklyn Decker

“At the Academy of Health Sciences, we are like a family.”
Simonne Francis

“I love the science experience and being on a college campus. We get to use the college labs, and I like looking professional.”
Heyam Abadir

“This program is tech friendly, and that is very helpful to me. The AHS program can definitely be labeled as an excellent college prep program.” Brian Jones



Challenges and Opportunities

- Blending two cultures and systems: K-12 and college
- Interest in the Academy
 - 2011: 1000 applications
 - 2012: 3000 applications
- Student Progress AY 2011-12
 - Attained a mean GPA of 3.55
 - 98% attendance rate
- Future Directions: Cybersecurity Middle College

Innovation and Cost-Containment through Simulation



The Center for Health Studies



Center for Health Studies





Center for Health Studies: A Campus Health Care System

- Simulation and technology are integrated throughout; communication between and among labs
- Simulation hours are increasing
 - Correlated with safe and competent care
 - Can count for clinical experiences/competencies in some disciplines
 - Allows experiences that cannot be “practiced” on humans
- Able to program specialized manikins to experience symptoms, talk, and respond to care measures

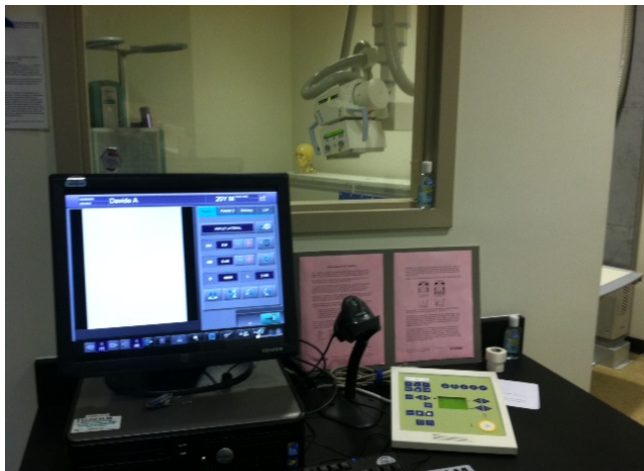


Paramedic Lab





Radiography Lab



Interdisciplinary Simulation Lab: An ICU on Campus





Neonatal Lab



Faculty Offices



Faculty can view activities in lab from their offices in real time or following the simulation.





Prince George's Community College

- Open access system
- Interrelates with a variety of other systems to carry out its mission
- Uses current technology and structures to offer many high quality, cost-effective options for entry into healthcare careers
- Is always flexible and able to respond to a constantly changing workforce environment