

# Hardin Valley

## Health Science Academy

**An Academy within The Hippocratic Neighborhood**

Is a **HEALTH CAREER** Right For You?

- Do I want to make a difference in people's lives?
- Do I want to make good money?
- Do I want a career that's recession proof?

**GRADUATES FROM THE HEALTH SCIENCE ACADEMY MUST:**

**Meet all Knox County graduation requirements.**



Choose an Endorsement



**Academy Graduation Requires :**

1. 30 credits   2. Minimum 3.0 overall GPA   3. Fifty hours of service learning over 4 years   4. Senior Portfolio

### Pre-Professional Healthcare

- College Credit Anatomy/Physiology
- Six (6) total science courses
- One (1) math credit beyond Algebra II
- 1 Business/Computer related course
- 1 AP course (minimum)
- Either Health Science Clinical Internship or Co-op
- Three (3) total HS courses - options listed below
  - Health Science
  - Biomedical Applications
  - Diagnostic Medicine
  - Medical Therapeutics
  - Nursing Education
  - Forensic Science
  - Rehabilitative Therapy



If you complete all the requirements listed above, you will also meet the requirements for the **Tennessee Scholars program.**

The endorsement on your diploma will read:  
**Health Science Academy:  
 Pre-Professional Endorsement**

### Technical Healthcare

- Anatomy/Physiology
- 1 additional math credit (4 total)
- 1 Business/Computer related course
- Either Health Science Clinical Internship or Co-op
- Five(5) total HS courses—options listed below
  - Health Science
  - Emergency Medical Services
  - Support Services
  - Health Informatics
  - Nursing Education
  - Forensic Science
  - Medical Therapeutics

In order to meet the requirements for the Tennessee Scholars Program, students must also complete: 1 math credit beyond Algebra II, Chemistry, 2 credits in the same world language, 1 fine art credit, and either an AP course or Industry Certification in a Technical field.



If you complete all the requirements listed above, the endorsement on your diploma will read:

**Health Science Academy: Technical Endorsement**

## Why Choose a Healthcare Career?

Here are six good reasons:

- Job security - because in a tough economy, it's good to know that the demand for health care workers is always there
- Geographic Mobility - you'll have skills that you could use anywhere across the country
- Educational Choices - you choose your own level of education
- Income - salaries are often higher in health careers, especially because of the high demand
- Intellectual Challenge and Professional Growth - In health careers, you're constantly learning. Medicine and technology are ever changing!
- Personal Satisfaction - Knowing that you are helping people be well and stay well

Source: TNhealthcareers.com

## Examples of Healthcare Careers

### 4 year degree +

Physician  
Dentist  
Pharmacist  
Physical Therapist  
Occupational Therapist  
Nurse  
Surgeon  
Anesthesiologist  
Veterinarian  
Clinical Lab Scientist

### 2 year degree

Clinical Lab Technician  
Radiologic Technician  
Surgical Technician  
Health Information Tech  
Dental Hygiene Tech  
Opticianry  
Physical Therapy Asst.  
Licensed Practical Nurse  
EMT/Paramedic

## School Based Activities

Health Occupations Student Association  
National Honor Society  
Science Olympiad  
Science Fair  
Scholars Bowl  
Student Government Association

## DID YOU KNOW . . .

Health care ranks second among all industries for projected job growth. By the year 2008, the U.S. will need an additional 450,000 nurses, with 1.7 million more nurses needed by 2025.

According to the latest projections from the U.S. Bureau of Labor Statistics, more than one million nurses' new nurses will be needed by the year 2010. The U.S. Department of Labor projects a 21 percent increase in the need for nurses nationwide from 1998 to 2008, compared with a 14 percent increase for all other occupations.

According to the American Hospital Association, 126,000 nurses are currently needed to fill vacancies at our nation's hospitals. Today, fully 75% of all hospital personnel vacancies are for nurses.

Hospitals are struggling to fill radiological technology staff positions. The shortage of radiologic technologists is greater than in any health care field. Much has been made of the nursing shortage facing hospitals across the nation, but many health care human resources administrators say they're scrambling just as hard to find radiologic techs.

The American Society for Radiologists (ASRT) says a shortage of staff who administer radiation therapy is most severe. The number of their specialty education programs nationwide has dropped from 125 to 94. ASRT also expects RTs - whose average age is 40+ to retire in great numbers as baby boomer-driven demand peaks.

The Clinical Laboratory Management Association has declared a "clinical laboratory staffing emergency", anticipating an annual shortfall of about 5,000 laboratory employees.

The number of vacancies for pharmacists has doubled in the last two years. Although the demand for pharmacists is increasing, the number of active pharmacists is expected to grow by only 28,500 over the coming decade, 800 less than the 29,300 over the past decade.

The nation's 81 pharmacy schools, where doctoral programs have been stretched from five years to six, turn out 8,000 druggists a year - roughly equal to the job openings at a single national chain.

Source: TNhealthcareers.com