



## PLTW Biomedical Science

students are taking on the same real-world challenges – and they're doing it before they even graduate from high school.

Working with the same tools used by professionals in hospitals and labs, students engage in compelling, hands-on activities and work together to find solutions to problems. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take. To learn more about the PLTW Biomedical Science curriculum, please visit

[www.pltw.org](http://www.pltw.org).

**RIGOROUS CURRICULUM**

**FOR MORE INFORMATION**

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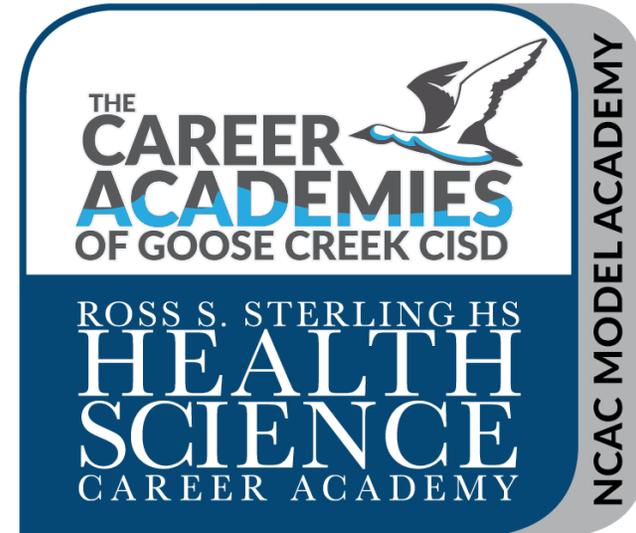
**ROSS S. STERLING HIGH SCHOOL**

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If you're interested in a career in...

- Medicine
- Nursing
- Biomedical Engineering
- Pharmacy
- Physical Therapy
- Emergency Care, etc...

The Health Science Academy  
is the place for you!

## THE HEALTH SCIENCE ACADEMY IS A SMALL LEARNING COMMUNITY THAT INCLUDES:

- Coursework that focuses on the healthcare industry
- Career exploration through internships and work-based learning opportunities
- Preferred scheduling in recommended courses for all academy students
- Networking with professionals in the health science field
- Working at an advanced level with real-world problems and issues
- Additional Support
- Field Trips & Guest Speakers
- Dual Credit Opportunities
- Community service opportunities through HOSA (Health Occupations Students of America), SkillsUSA and NTHS (National Technical Honor Society)



## RECOMMENDED 4-YEAR PLAN

### 9th Grade

- **PLTW Principles of Biomedical Science**
- English I Honors
- Algebra I Honors or Geometry Honors
- Biology Honors
- World Geography Honors

### 10th Grade

- **PLTW Human Body Systems**
- **Medical Terminology**
- English II Honors
- Geometry Honors or Algebra II Honors
- Chemistry Honors or OnRamps
- World History Honors

### 11th Grade

- **PLTW Medical Interventions**
- English III AP, Dual Credit or OnRamps
- Algebra II Honors or PreCal OnRamps
- Physics OnRamps or AP Biology
- US History AP

### 12th Grade

- **PLTW Biomedical Innovations**
- Practicum in Health Science (CNA, CCMA, Pharm Tech, EMT)
- English IV AP, Dual Credit or OnRamps
- PreCal or College Algebra OnRamps
- **Anatomy & Physiology**
- Government & Economics

\*courses in **bold** are required for endorsement

## CERTIFICATION OPTIONS

The following certification is offered through the Pharmacy Technician Certification Board (PTCB):

- CPhT Certified Pharmacy Technician



The following certifications are offered through the National Healthcareer Association (NHA):

- CCMA Certified Clinical Medical Assistant
- CET EKG Technician
- CPT Certified Phlebotomy Technician
- CPhT Certified Pharmacy Technician



The following certifications are offered through the Texas Department of Health & Human Services:

- CNA Certified Nurse Aide
- EMT- Basic  
Emergency Medical Technician



### Associates of Science

With several dual credit options, students are eligible to earn an Associates of Science from Lee College.

