

Academy of Health Science

South San High School



Current 4-Year Plan and Enrollment Information

YEAR 1 Principles of Health Science (129 students)

YEAR 2 Medical Terminology (129 students)

YEAR 3 Health Science (105 students) OR Pharmacology (N/A)

YEAR 4 Practicum in Health Science (Nursing (70 students)/ EMT (18 students)/ Pharmacy (13 students)

New 4-Year Plan (Beginning 2018-19 School Year)

YEAR 1	Pre-AP Biology	&	Principles of Health Science	&	Medical Terminology
YEAR 2	Pre-AP Chemistry	&	Anatomy & Physiology	&	Medical Microbiology
YEAR 3	Pre-AP Physics	&	Pharmacology OR Health Science Theory	&	Pathophysiology
YEAR 4	AP Biology	&	Practicum in Health Science Nursing/ EMT/ Pharmacy/ Dentistry	&	World Health Research

**** Courses in Blue are NEW/ or being offered differently****

Pathophysiology Problem-Based Learning (PBL) updated 3/28/2017

- Students will be assigned a **Clinical Group** (4 students)
- Students will learn about the disease processes within the human body through **SIMULATED PATIENT DIAGNOSIS & TREATMENT**
- Each unit of instruction will be based on a body system (i.e. respiratory)
- Each Clinical Group will be assigned a simulated patient at the start of each unit
- Students will work to diagnose and develop a treatment plan for their patient
- Students will complete in-house clinicals using a Simulated Mannequin (**SIM MAN**) to assist with mastering the content
- Each unit will end with a Summative Assessment in the form of a **GRAND ROUNDS** where each patient case is presented by the Clinical groups

The SIM MAN

updated 3/23/2017



Drug & Event Recognition
The Drug Recognition System registers the amount, speed, and type of drug automatically and applies the appropriate physiological responses, saving the instructor time and improving the debrief.



... during training, according to treat



compression & Chest
... can now perform a chest analysis and insert a chest tube bi-laterally.

Certifications Available

Current

- Certified Nurse's Assistant (CNA)
- Emergency Medical Technician (EMT)
- Emergency Medical Responders (EMR)
- Pharmacy Technician
- CPR & First Aid

2018-19 and Beyond

- Certified Nurse's Assistant (CNA)
- Emergency Medical Technician (EMT)
- Emergency Medical Responders (EMR)
- Pharmacy Technician
- CPR & First Aid
- **Occupational Safety & Health Administration (OSHA)**
- **National Health Science Assessment**
- **HIPPA**
- **Bloodborne Pathogens**
- **Advanced First Aid**
- **Phlebotomy**
- **Certified Dental Assistant**

Potential Health Science Programs and Partnerships

updated 3/23/2017

- St. Mary's JAMP Camp (8th-11th graders)
- St. Philip's College Camp 98.6 (10th graders)
- UT Health Science Center- San Antonio BEAT Academy (9th-12th graders)
- Voelcker Biomedical Research Academy (9th graders)

Application Process

updated 3/23/2017

- ❑ Parent Information Sessions November 2017

- ❑ Application Assistance Sessions December 2017- January 2018

- ❑ Freshmen Applicants for Class of 2022
 - ❑ Application available December 2018
 - ❑ Deadline February 2018
 - ❑ Acceptance notifications April 2018

Recruitment Plan and Goal

updated 3/23/2017

Spring 2018

- Recruit incoming 9th graders
 - Class of 2022 (Cohort 1) = 150 students
 - SSAISD Middle Schools for incoming 9th graders
 - Surrounding Bexar County Districts for incoming 9th graders (Open Enrollment)

Spring 2019

- Recruit incoming 9th graders SSAISD & Bexar County
 - Class of 2023 (Cohort 2) = 150 students
- Recruit at SSHS for 10th graders (Cohort 1)→ target transfer students = 15 students

Spring 2020 and Beyond

- Recruit incoming 9th graders SSAISD & Bexar County
 - Target Cohort = 150 students
- Recruit at SSHS and Bexar County for 10th graders→ target transfer students = 15 students

***** 2021-22 School Year Target = 150 students per grade level = 600 students*****

Next Steps

Spring/ Summer 2017

- Course audit for existing classes
- Audit of building
- Curriculum Writing

Fall 2017

- Curriculum Writing
- Partnership Development
- Prep for Recruitment

Spring 2018

- Recruitment of students
- Curriculum Writing
- Partnership Development
- Professional Development for teachers

Summer 2018

- Professional Development for teachers
- “Cat Camp” for incoming 9th graders

Fall 2018

- 9th graders begin program at Health Science Academy

Questions?