



HEALTHCARE SCIENCE

A GUIDE TO PURSUING YOUR CAREER PATH

SURGICAL TECHNOLOGY >>>

Careers in the Therapeutic Services pathway are focused primarily on changing the health status of the patient over time. Health professionals in this pathway work directly with patients and may provide care, treatment, counseling and health education information.

Those considering a surgical technology career should have a strong desire to help others, a genuine concern for the welfare of patients and clients, and an ability to deal with people of diverse backgrounds in stressful situations.

Health professionals are primarily involved with the delivery of health or related services pertaining to the identification, evaluation and prevention of diseases and disorders; dietary and nutrition services; and rehabilitation, among others.

HIGH SCHOOL PATHWAY CLASSES >>>

INTRO TO HEALTHCARE SCIENCE enables students to glean initial exposure to the many HCS careers. The concepts of human growth & development, interaction with patients & family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental skills development include microbiology, basic life support and first aid.

ESSENTIALS OF HEALTHCARE is a medical-focused anatomy course, we address the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. **Students earning credit for this course will also receive credit for Human Anatomy & Physiology.**

SURGICAL TECHNICIAN I provides fundamental surgical technician skills and knowledge to include the knowledge, skills, and attitudes necessary to succeed in the Surgical Technology profession; including safety, infection control, pharmacology, surgical equipment, perioperative procedures, instruments, and sterilization. Students will have the opportunity to explore careers in the operating room and the education required at each level.



CAPSTONE: WBL INTERNSHIP >>>

WBL (WORK-BASED LEARNING) connects skilled, knowledgeable and driven students to local businesses every year. Students who participate in the Healthcare Science program and have been selected to participate in WBL will leave school early to work with our fantastic business partners. Benefits to students include a chance to put skills learned in the classroom to use in an authentic setting, getting a competitive advantage on their career and networking with industry leading professionals all while still in high school. www.hallcowbl.org



CAREER TECH STUDENT ORGANIZATIONS >>>

HOSA operates as an integral component of the health science education curriculum. Through its network of state and local chapters, HOSA provides powerful instructional tools, recognition, leadership, networking, scholarships, and connections to the healthcare industry to thousands of members across the United States.

Through the HOSA Competitive Events Program, members can compete in teams or as individuals in over 55 different events related to all aspects of the health care industry. HOSA integrates into the Health Science Technology Education curriculum to develop and recognize smart, dedicated, and passionate future health professionals.



POTENTIAL CAREERS >>>

National labor market information indicates that 8 out of the top 20 fastest-growing occupations are in the Health Science industry. (OOH)

- Surgical Technician
- Registered Nurse
- Surgeon
- Home Health Aide
- Licensed Practical Nurse
- Occupational Therapist
- Anesthesiologist Assistant
- Chiropractor
- Physician

SURGICAL TECHNOLOGY

CAREER PATHWAY - PLAN OF STUDY

GRADUATION REQUIREMENTS

ENGLISH/LANGUAGE ARTS

4 Units *Must Include:*

9th Grade Literature & American Literature

SOCIAL STUDIES

3 Units *Must Include:*

World History, US History, Government & Economics

MATHEMATICS

4 Units *Must Include:*

GSE Algebra I, GSE Geometry & GSE Algebra II

+

one additional GSE/AP/IB/DE Math course

OR

GSE Accelerated Algebra I/Analytic Geometry A,

GSE Accelerated Geometry B/Algebra II, GSE Precalculus

+

one additional GSE/AP/IB/DE Math course

SCIENCE

4 Units *Must Include:*

Physical Science or Physics; Biology;

Chemistry, Earth Systems, Environmental Science or AP/IB course

+

one additional Science course

HEALTH & PERSONAL FITNESS

1 Unit *Must Include:*

1/2 unit of each

CAREER, TECHNICAL & AGRICULTURE EDUCATION (CTAE)

3 Units *Must include:*

Intro to Healthcare Science, Essentials of Healthcare,
Surgical Technician 1

ELECTIVES

4 Units

*Students planning to attend most post-secondary institutions must take 2 units of the same modern language.

TOTAL UNITS REQUIRED

23 Units

PERSONAL APTITUDES

ACTIVITIES THAT DESCRIBE WHAT I LIKE TO DO:

- Work under pressure.
- Help sick people and animals.
- Participate in health and science classes.
- Respond quickly and calmly in emergencies.
- Work as a member of a team.



PERSONAL QUALITIES THAT DESCRIBE ME:

- Compassionate and caring
- Good at following directions
- Conscientious and careful
- Patient
- Good Listener

WANT MORE INFORMATION ON YOU?

YouScience is the science of YOU – how your mind is wired, what makes you tick, the skills and knowledge that set you apart. You have talent and there's a path that's right for you – we can help you find it.



Login to Infinite Campus and locate the SLDS Portal link on the left. Once logged in, click on "My Career Plan" then choose "Go to YouScience".

WHAT YOU LEARN IN SCHOOL MATTERS

You're learning skills and knowledge that can make you a qualified candidate for in-demand careers. Industry-recognized certifications, available to all pathway students, are great signals to employers that you have the skills they're looking for. Certifications help validate what you know, so other people know, that you know it.

QUESTIONS?

Contact your CTAE teacher, WBL Coordinator or School Counselor

PATHWAY TO FUTURE CAREER OPTIONS

HIGH SCHOOL

Pathway Courses

Intro to Healthcare Science
Essentials of Healthcare
Surgical Technician 1

Capstone

WBL Internship
Dual Enrollment

POST-SECONDARY

Technical College

Certificate
Diploma Program
Degree Program

4 Year College/University

Bachelor Degree
Masters Degree
Graduate Studies