

Health Sciences

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The Health Sciences (Core) pathway covers the broad field of occupations related to health care and medicine. Health care is the largest and fastest growing industry in the United States. The health care field alone will generate more new jobs in the coming years than any other industry, largely in response to rapid growth in the elderly population. In fact, ten of the 20 fastest growing occupations are related to health care. Employment in home-health care and nursing and residential care should increase rapidly as life expectancies rise and families need assistance caring for their elderly family members and thus rely more on long-term care facilities. New technologies will continue to enable earlier diagnoses of many diseases, which often increases the ability to treat conditions that were previously terminal. Industry growth will also occur because of the shift from inpatient to less expensive outpatient and home-health care because of improvements in diagnostic tests and surgical procedures, along with patients' desires to be treated at home. Rapid growth is expected for workers in occupations concentrated outside the inpatient hospital sector, such as pharmacy technicians and personal and home-care aides. Traditional inpatient hospital positions are no longer the only option for many future health care workers. The Health Sciences (Core) pathway will target careers at the professional and technical levels in health care. Students enrolled in these courses should be well prepared to pursue degrees at the community college and 4-year-college level.

Jobs Related to the Program

Job Title	Average Annual Salary
Health Educator	\$34,237
Health Services Administrator	\$68,729
Paramedic	\$48,749
Anesthesia Technician	\$63,586
Registered Nurse	\$88,820
Dental Hygienist	\$83,951
Surgical Technician	\$79,398
Respiratory Therapist	\$87,062

Course Program of Work

Health Sciences Core

Unit	Unit Name	Hours
1	Orientation and Introduction to Student Organizations	4.5
2	Safety in Health Care	12
3	Infection Control	30
4	Careers in Health Care	12
5	Legal and Ethical Practices in Health Care	12
6	Communication and Teamwork	7.5
7	Medical Terminology and Abbreviations	18
8	Body Organization	9
9	Integumentary System	10.5
10	Skeletal System	15
11	Muscular System	15
12	Cardiovascular System	18
13	Respiratory System	12
14	Digestive System	15
15	Urinary System	12
16	Lymphatic System	4.5
17	Nervous System	12
18	Endocrine System	7.5
19	Sensory Organs	7.5
20	Reproductive System	7.5
21	Employability Preparation	7.5
Total		249

Healthcare & Clinical Services

Unit	Unit Name	Hours
1	Course Orientation and Safety Review	10.5
2	Emergency Services and Basic Life Support	18
3	First Aid	34.5
4	Vital Signs	22.5
5	Human Growth and	22.5
6	Sports Medicine	7.5
7	Rehabilitative Services	10.5
8	Medical Services	15
9	Nursing Services	33
10	Nutrition and Dietetics	10.5
11	Respiratory Care Services	7.5
12	Mental Health	10.5
13	Pharmacology	10.5
14	Laboratory Services	7.5
15	Medical Imaging Services	6
16	Health Information	7.5
17	Employment Opportunities	7.5
Total		241.5

Applied Academic Credit

Students who successfully complete health science core and healthcare & clinical services will receive two science credits that can be used towards graduation requirements. Students who complete health sciences core will also receive a 1/2 credit of health, which can be used towards graduation.

The Senatobia-Tate County Career & Technical Center does not discriminate on the basis of race, color, national origin, sex, or disability in its programs and activities and provide equal access to all students served by our center.

The following person has been designated as the discrimination compliance officer and will handle inquires and the filing of grievances of discrimination in all areas except concerns relating to disabilities:

Amy Williams, Title IX and Grievance Contact

*awilliams@tcsdms.org
662-562-5861*

The following person has been designated as the Section 504/ Disabilities Act compliance officer and will handle inquiries regarding the discrimination on the basis of disabilities:

Kristie Foster, 504 Coordinator

*kfoster@tcsdms.org
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**** A lack of English language skills is not a barrier to participation in any course at the Senatobia-Tate County Career & Technical Center.**