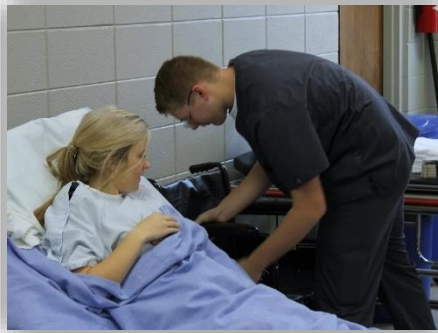


# HEALTH SCIENCE



## WHAT IS THIS PROGRAM ALL ABOUT?

Health Science is a fast-paced, secondary career and technical program preparing students to enter a career in healthcare. Students participate in simulated healthcare activities in classroom and laboratory activities that allow exploration and identification of individual interests and abilities. As students progress through the program, they are given community-based clinical assignments that provide observation and hands-on experience in various healthcare specialty areas.

Courses include:

**Foundations of Health Science** - Students are introduced to various healthcare careers and many health science-related concepts.

Foundations is a requirement for all students interested in preparing for healthcare-related fields. The foundations course is a prerequisite for all other health science courses at ATCTC.

**Therapeutics of Health Science** – Students learn about the rapid changes in treatments in today's healthcare. They are further prepared for a wide range of health career opportunities through rigorous coursework and lab experiences.

**Diagnostics** - Students learn the different tests, procedures, and exams used to diagnose different disease processes. Students also participate in hands-on experiences to learn about exciting careers such as X-ray technician, ultrasound technician, and many others.

**Medical Terminology** - This course uses an integrated approach for teaching medicine's language to the health care student by incorporating medical terminology with anatomy and physiology and the disease process.

**Nurse Assisting** – Students prepare to become certified nursing assistants (CNA), who are essential members of the health care team. A CNA works under the supervision of a registered nurse or licensed practical nurse. A CNA provides basic nursing care for patients in many different working environments. Most commonly, a CNA will provide basic nursing care in hospitals, long-term care nursing facilities, home health aide agencies, and assisted living centers.

**Medical Assisting** – Students in this course are prepared to become certified clinical medical assistants (CCMA). The job of a CCMA is to assist a physician with clinical treatments/procedures. Their responsibilities include helping prepare for exams by taking the vital signs and medical histories of patients, preparing exam rooms, and ordering supplies.

**Emergency Medical Services (EMS)** - Students receive training on caring for sick and injured patients, vitals, lifting and moving patients, scene safety, protective equipment, EMS equipment, CPR, First Aid, human body systems, medications, medical and legal aspects.



# HEALTH SCIENCE



Foundations & Therapeutics	CNA	Diagnostics, Medical Terminology & EMS
• Career opportunities & employability skills & communication skills	• Patient safety & cleanliness	• Medical procedures
• Infection control & safety	• Professional communication skills	• Clinical & technical skills
• Legal and ethical implications	• Assisting with activities of daily living	• Technology in a therapeutic setting
• Nutrition & disease prevention	• Checking vital signs	• Medical terminology
• Health, wellness, growth & development	• Assisting with special procedures	• Anatomy & physiology
• Vital signs, CPR & first aid	• Recognize signs & symptoms of mental health problems	• EMS basic preparations

## UNIQUE OPPORTUNITIES

Experience a fast-paced and challenging program that will prepare you for all college-level health science programs. There are hundreds of careers in healthcare that require different levels of training. Let us help you find the career you are looking for!

Career Name	Avg. Yearly Wage	Education Pathway
Certified Nursing Assistant (CNA) (offered at ATCTC)	\$25,068	ATCTC Program ► High School Diploma ► CNA Certificate
Emergency Medical Technician (EMT) (offered at ATCTC)	\$25,672	ATCTC Program ► Job Experience ► High School Diploma ► EMT Certificate
Certified Clinical Medical Assistant (CCMA) (offered at ATCTC)	\$32,000	ATCTC Program ► Job Experience ► High School Diploma ► CCMA Certificate
Ultrasound Technician	\$56,000	ATCTC Program ► High School Diploma ► Associate's degree
Registered Nurse	\$56,000	ATCTC ► High School Diploma ► Associate's Degree or Bachelor's Degree
Physical Therapist	\$73,000	ATCTC ► High School Diploma ► Bachelor's Degree ► Physical Therapy School
Physician	\$196,000	ATCTC ► High School Diploma ► Bachelor's Degree ► Medical School

## Healthcare Credentialing Opportunities at ATCTC

- Alabama Department of Health State Tested [Certified Nursing Assistant](#) (CNA)
- [Certified Clinical Medical Assistant](#) (CCMA)
- [Emergency Medical Technician](#) (EMT)
- [AHA Heartsaver](#) CPR/AED
- [AHA First-Aid](#)

