

# HEALTH SCIENCE TECHNOLOGY - AAS

**Offered at:** Ashland Community and Technical College, Big Sandy Community and Technical College, Bluegrass Community and Technical College, Elizabethtown Community and Technical College, Gateway Community and Technical College, Henderson Community College, Hopkinsville Community College, Jefferson Community and Technical College, Madisonville Community College, Maysville Community and Technical College, West Kentucky Community and Technical College

**Program Plan Number:** 5100007019

**May be available completely online. Please check with your academic advisor.**

A grade of "C" or better is required in each biological science and quantitative reasoning (mathematics) course. In addition, students must adhere to the grading requirements for each certificate they select for completion.

Course	Title	Credits
<b>General Education</b>		
Select one of the following two options:		3
MAT 110	Applied Mathematics	
Higher Level Quantitative Reasoning Course <sup>1</sup>		
ENG 101	Writing I	3
Select one of the following two options:		4
BIO 135	Basic Anatomy and Physiology with Laboratory <sup>1</sup>	
BIO 137	Human Anatomy and Physiology I with Laboratory	
PSY 110	General Psychology	3
Social/Behavioral Sciences		3
Heritage/Humanities		3
Oral Communications		3
Subtotal		22
<b>Technical Core</b>		
Select one of the following three options:		3
CLA 131	Medical Terminology from Greek and Latin	
AHS 115	Medical Terminology	
MIT 103	Medical Office Terminology	
Select one of the following two options:		0-2
CPR 100	CPR for Healthcare Professionals	
KHP 190	First Aid and Emergency Care	
Digital Literacy Course or demonstrated competency <sup>2</sup>		0-3
Health Science Technical Courses <sup>3</sup>		35
Subtotal		38-43
<b>Total Credits</b>		<b>60-65</b>

<sup>1</sup> Quantitative Reasoning and Biology selection does require special attention to courses needed for a certificate or selective admission programs.

<sup>2</sup> Digital Literacy course - 3 credit hours or Demonstrated Competency - 0 credit hours

<sup>3</sup> Health Science Technical Course selection must result in final attainment of a **minimum** of three (3) certificate credentials. Attainment

of additional certificates may be awarded to complete the required hours in the Health Science Technical Courses.

## Health Science Certificates

Students are required to earn a **minimum** of three (3) certificates from the approved Health Sciences certificates list below:

- Aging Services
- Advanced Biotechnician
- Advanced Nursing Assistant
- Advanced Phlebotomy Certificate
- Basic Biotechnician
- Basic Cardiac Ultrasound Technology
- Biomedical Science - PLTW
- Certified Medical Technician
- Client Service Coordinator
- Community Health Worker
- Direct Support Work
- Electrocardiogram/Electrocardiograph Technician
- Electronic Health Records Specialist
- Emergency Medical Responder
- Emergency Medical Services: Paramedic
- Emergency Medical Technician
- Entry Level Pharmacy Technology
- Foundations in Biomedical Technology Networking Systems
- HIT Coding
- Hospital Admissions Specialist
- Kentucky Medication Aide
- Massage Therapy
- Medical Assisting Certificate
- Medical Coding
- Medical Coding and Reimbursement Specialist
- Medical Interpreter
- Medical Office Administrative Assistant
- Medical Office Insurance Billing and Coding
- Medical Office Limited Radiography
- Medical Receptionist
- Medical Scribe
- Medical Transcriptionist
- Medical Unit Coordinator
- Nursing Assistant/Medicaid Nurse Aide
- Personal Trainer
- Phlebotomist
- Phlebotomy for the Healthcare Worker
- Physician's Office Laboratory
- Psychiatric Mental Health Technician
- Recovery Coach
- Release of Data Specialist
- Surgical First Assisting
- Telehealth Technician Associate

## Health Science Technical Courses

Students may complete additional certificates and/or take the following courses to meet the required minimum of 60 credit hours needed for the Health Science Technology degree after completing the minimum requirement of three (3) certificate credentials:

Course	Title	Credits
AHS 105	Introduction to Health Occupations	3
AHS 201	Management Principles for Allied Health Providers	3
AHS 203	Diversity in Health Care	3
ASL 101U	American Sign Language I	3
ASL 102U	American Sign Language II	3
ASL 201U	American Sign Language III	3
ASL 202U	American Sign Language IV	3
BAS 120	Personal Finance	3
BAS 283	Principles of Management	3
BAS 288	Personal and Organizational Leadership	3
BIO 118	Microbes and Society	3
BIO 120	Human Ecology	3
BIO 130	Aspects of Human Biology	3
BIO 135	Basic Anatomy and Physiology with Laboratory	4
BIO 137	Human Anatomy and Physiology I with Laboratory	4
BIO 139	Human Anatomy and Physiology II with Laboratory	4
BIO 225	Medical Microbiology with Laboratory	4
BIO 226	Principles of Microbiology	3
BIO 227	Principles of Microbiology with Laboratory	5
CHE 130	Introductory General and Biological Chemistry	3
CHE 140	Introductory General Chemistry	3
COM 181	Basic Public Speaking	3
COM 252	Introduction to Interpersonal Communication	3
COM 254	Introduction to Intercultural Communication	3
ENG 102	Writing II	3
FAM 253	Human Sexuality: Development, Behavior, and Attitudes	3
FAM 255	Child Development	3
FYE 105	Achieving Academic Success	3
HST 101	Health Care Basic Skills I	3
HST 102	Health Care Delivery & Management	3
HST 103	Health Care Communication	2
HST 104	Health Care Basic Skills I with Clinical	3.5
HST 121	Pharmacology	2
HST 122	Clinical Pathophysiology	3
HST 123	Health Care Basic Skills II	2
MIT 250	Legal Issues in Medical Information Management	3
NFS 101	Human Nutrition and Wellness	3
OST 275	Office Management	3
PHI 110	Medical Ethics	3
PHI 150	Business Ethics	3
PHY 151	Introductory Physics I	3
PHY 152	Introductory Physics II	3
PHY 171	Applied Physics	4
PHY 172	Physics for Health Sciences	2
PSY 223	Developmental Psychology	3

PSY 230	Psychosocial Aspects of Death and Dying	3
SFA 100	Safety and First Aid	1
SPA 101	Elementary Spanish I (spoken approach)	4
SPA 102	Elementary Spanish II (spoken approach)	4
SPA 103U	Spanish for High Beginners	3
SPA 151U	Spanish for Health Professionals	3
SPA 201	Intermediate Spanish I	3
SPA 202	Intermediate Spanish II	3
SPA 203U	High Intermediate Spanish	3
STA 220	Statistics	3
STA 251	Applied Statistics	3