



Selma University

ALLIED HEALTH PROGRAM



PROGRAM OFFERINGS

CERTIFICATIONS

- PHLEBOTOMY
- ECG TECHNOLOGY

DEGREE

- ASSOCIATE OF HEALTH SCIENCE IN PATIENT CARE TECHNOLOGY:
 - CONCENTRATIONS IN:
 - PATIENT CARE TECHNOLOGY
 - PHLEBOTOMY,
 - ECG TECHNOLOGY

MISSION: To educate and prepare future allied health workers as servant leaders for a global society to provide services in a diverse workforce and community as productive, well-educated allied health professionals. In conjunction with community-based partners, students achieve clinical skills and learn the values of critical thinking, good communication, teamwork, cultural competence and service leadership.

GOALS:

STUDENTS WILL DEVELOP COMPETENCY IN THE AREAS OF:

- GENERAL EDUCATION CORE
- PATIENT CARE,
- MEDICAL TERMINOLOGY,
- PRACTICE-BASED LEARNING AND PERFORMANCES
- INTERPERSONAL SKILLS,
- COMMUNICATION SKILLS
- PROFESSIONALISM.

OBJECTIVES

After successfully completing this program, the student will be able to perform the following:

1. Demonstrate knowledge of the health care delivery system and health occupations.
2. Use oral and written communication skills creating, expressing and interpreting information and ideas.
3. Describe the importance of professional ethics and legal responsibilities.
4. Demonstrate an understanding of and apply wellness and disease concepts.
5. Demonstrate the importance of health, safety, and environmental management systems in organizations and their importance to organizational performance and regulatory compliance.
6. Recognize and respond to emergency situations.
7. Recognize and practice infection control procedures.
8. Use information technology tools.
9. Explain the importance of employability skills and entrepreneurship skills.
10. Demonstrate knowledge of blood borne diseases, including AIDS (Acquired Immune Deficiency Disease)
11. Demonstrate mathematics and science knowledge and skills.
12. Demonstrate language arts knowledge and skills.

13. Solve problems using critical thinking skills, creativity and innovation.
14. Describe the roles within teams, work units, departments, organizations, inter- organizational systems and the larger environment.
15. Demonstrate leadership and teamwork skills needed to accomplish team goals and objectives.
16. Use verbal and written communications, specifically to the nursing assistant.
17. Demonstrate legal and ethical responsibilities specifically to the nursing assistant.
18. Perform physical comfort and safety functions specifically to the nursing assistant.
19. Provide personal patient care.
20. Perform patient care procedures.

SLO MATRIX

GOALS	STUDENT LEARNING OUTCOME (SLO)
GENERAL EDUCATION CORE	11, 12, 13
COMPETENCY IN PATIENT CARE	19, 20 , 18
MEDICAL TERMINOLOGY	16
PRACTICE-BASED LEARNING AND PERFORMANCES	1, 4, 5, 6, 7, 8, 10
INTERPERSONAL SKILLS	14, 15
COMMUNICATION SKILLS	2
PROFESSIONALISM	3, 17,

The coursework in conjunction with the associated student learning outcomes provide students with the competencies needed to achieve the mission and goals of the program. The following curriculum outline is a guide to assist students with completing the program within a two-year timeframe.

ASSOCIATE OF HEALTH SCIENCE IN PATIENT CARE TECHNOLOGY

(Required courses)

FIRST SEMESTER

		Credit Hours
ENG111	Freshman English I	3
MTH101	College Math	3
CAH101	Medical Terminology I	3
REL 101	Biblical Studies I	3
SAS100	Freshman Experience	2
REL103	Introduction to the Old Testament	<u>3</u>
TOTAL		17

SECOND SEMESTER

BIO101	General Biology I	4
ENG112	English II	3
CAH 121	Fundamentals of Nursing Care I	3
CAH131	Nursing Lab I	3
REL104	Introduction to the New Testament	<u>3</u>
TOTAL		16

THIRD SEMESTER

CAH221	Phlebotomy Theory	3
CAH231	Phlebotomy Lab	3
CT151	Christian Doctrine I	3
CAH113	Medical Coding (Elective)	3
CAH112	Medical Terminology II	3
REL102	Biblical Studies II	3
TOTAL		18

FOURTH SEMESTER

SOC101	Introduction to Sociology	3
CAH234	Medical Law and Ethics	3
CAH115	CPR for Health Care Professionals	3
CAH321	ECG Theory	3
CAH331	ECG Lab	3
CAH233	Human Anatomy for Health Prof	<u>3</u>
TOTAL		18

ALLIED HEALTH PATIENT TECHNOLOGY COURSES (CAH)

CAH111 Medical Terminology I 3 Credit Hours This course introduces prefixes, suffixes, and word roots used in the language of medicine. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders.

CAH112 Medical Terminology II 3 Credit Hours This course is part II of Medical Terminology that includes complex medical vocabulary and medical terms that relate to the anatomy, physiology, health and pathological conditions, and treatment of selected systems.

Prerequisite: CAH 111

CAH113 Medical Coding 3 Credit Hours

This course is designed to develop medical and health coding skills. Emphasis is placed on advanced procedural and diagnostic coding for patient services.

CAH115 CPR/AED 3 Credit Hours

This course covers hands-on skills training for breathing and cardiac emergencies. It also teaches the skills and knowledge needed to provide care for victims of sudden cardiac arrest through the safe use of an automated external defibrillator (AED).

CAH116117 ECG prep 1 Credit Hour

This course is designed for students in the Associate of Health Science in Patient Care Technology program, who need additional instruction and practice in the area of electrocardiogram (ECG). Students will learn and practice strategies and concepts to help them successfully pass State and National Board Certification Examinations.

CAH116118 Phlebotomy Prep 1 Credit Hour

This course is designed for students in the Associate of Health Science in Patient Care Technology program, who need additional instruction and practice in the

area of Phlebotomy. Students will learn and practice strategies and concepts to help them successfully pass State and National Board Certification Examinations.

CAH116119 CNA Prep 1 Credit Hour

This course is designed for students in the Associate of Health Science in Patient Care Technology program, who need additional instruction and practice in the course work of Fundamental of Nursing Care in a Long-Term Rehabilitation Facility, where nursing assistants (NAs) are employed. Students will learn and practice strategies and concepts to help them successfully pass State and National Board Certification Examinations.

CAH117 Professional Health Resource Technology 3 Credit Hours

This course is designed to prepare students for the workforce. This class will include mock interviews, resume' preparation, organizational attitudes and skill setting that prepares students for job skills.

CAH121 Fundamentals of Nursing Care I 3 Credit Hours The course emphasizes care of the older adult client, assistance with the activities of daily living, bathing, dressing, exercise movement, eating, eliminating safety measures, cardiopulmonary resuscitation, and rehabilitation techniques.

CAH131 Nursing Care Lab I 3 Credit Hours This course is designed to provide laboratory theory and experiences and clinical learning that teach students the skills to perform duties such as taking vital signs, bathing, dressing making beds, and other direct resident care.

CAH201 Fundamentals of Nursing Care II 3 Credit Hours This course focuses on advanced care of patients, safety precautions and measures, and routine patient care. *Prerequisite: CAH 121*

CAH203 Medical Math 1 Credit Hours

This is a one-hour course designed to review basic mathematic skills in relations to medical dosage calculations. The course will instruct learners to convert equivalents from one system to another, accurately mix, and measure drugs.

Emphasis are placed on how such techniques are used in the medication administration in Nursing Theory II.

CAH211 Nursing Care Lab II 3 Credit Hours This course is designed to provide advance and complex laboratory theory and experiences and clinical learning that teach students the skills to perform duties such as taking vital signs, bathing, dressing, making beds, and other direct resident care.

Prerequisite: CAH 131

CAH221 Phlebotomy Theory 3 Credit Hours This course is designed to provide the student with theoretical and introductory technical skills of a phlebotomist. Discussions include anatomy and physiology of the circulatory system, medical terminology, structures of the health care system and laboratory, safety, types of laboratory analyses, specimen collection including techniques, equipment, sources of error and medico-legal issues surrounding the practice of phlebotomy. Upon successful completion of the program the student will be qualified to sit for the National Board.

CAH231 Phlebotomy Lab 3 Credit Hours This course is designed to provide the student with theoretical laboratory skills, safety, laboratory analysis, specimen collection techniques, equipment use, and laboratory legal issues surrounding phlebotomy practice.

CAH235 Medical Administrative Office Assistant 3 Credit Hours

The Medical Office Assistant course is designed to provide the student the knowledge and skills required for entry level work performing the administrative and clinical functions of a medical assistant. Students learn how to schedule appointments, maintain patient records, perform billing and coding duties, assist physicians with examinations, prepare patients for laboratory and diagnostic imaging procedures, and administer medications. Graduates are eligible to sit for the Certified Medical Administrative Assistant (CMAA) exam administered by the National Health Career Association (NHA).

CAH301 Medical Law and Ethics for Health Professionals 3 Credit Hours

This course covers legal relationships of physicians and patients, contractual agreements, professional liability, malpractice, medical practice acts, informed consent, and bioethical issues. Emphasis is placed on legal terms, professional

CAH302 Anatomy and Physiology for Healthcare Professionals 3 Credit Hours This course is designed to familiarize the student with basic concepts of human anatomy and physiology. Topics include: the language of medicine, organization of the body, cellular foundations, tissues, and membranes. The body systems covered include skeletal, muscular, integumentary, cardiovascular, lymphatic and immune, respiratory, nervous, sensory, endocrine, gastrointestinal, urinary, and reproductive attitudes, and the principles and basic concepts of ethics and laws involved in providing medical services.

CAH321 ECG Theory 3 Credit Hours

This course will cover EKG monitoring to include preparing the patient for the test and applying electrodes, calculating a patient's heart rate, identifying, and resolving artifacts from the tracing and responding to potentially life-threatening arrhythmias and more. Upon successful completion of the program, graduates will receive a Certificate of Completion.

CAH331 ECG Lab 3 Credit Hours

This course is designed to provide instruction in electrocardiography testing procedures used in detecting heart disease and other cardiovascular disorders. This course provides instruction in operating and troubleshooting an ECG unit, placing leads utilizing 12 lead ECG, using, and understanding of ECG grid paper, recognizing normal and abnormal ECG patterns in all 12 leads and plotting ECG axis. Upon successful completion of the program the student will be qualified to sit for the National Health Career Association Certified ECG Technician (CET) exam.