



## **GREEN COUNTRY TECHNOLOGY CENTER**

Career Cluster: Health Science  
Pathway: Therapeutic Services  
Major: Basic Medical Assistant  
Local Name: Basic Medical Assistant  
Instructor: Tiffany Berryhill  
Total Hours: 525

<u>Sequence of Courses:</u>	<u>Hours</u>
Introduction to Medical Assisting	30
Core Medical Terminology	45
Anatomy and Physiology	120
Pharmacology	45
Introduction to Medical Office Clinical Procedures (Part I)	60
Introduction to the Medical Office Clinical Procedures (Part II)	60
Medical Assisting Clinical Experience	165

### Course Descriptions:

#### Introduction to Medical Assisting

This course will include a brief history of medicine. The student should be able to identify key founders of medical science. Desirable characteristics of a medical assistant, benefits of credential testing, and participation in professional organizations are covered. Medical ethics, biomedical issues, law, communication skills, and patient education are also included.

#### Core Medical Terminology

Medical Terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in healthcare.

### Anatomy and Physiology

Anatomy/Physiology is the study of the structural complexity of the human body and its intricate functional mechanisms. This course is taught as a laboratory science. Students will conduct scientific investigations and fieldwork using scientific knowledge and methodology that will enable them to make educated conclusions based on higher-level critical thinking and problem solving skills. The areas studied will be an integration of biology and chemistry and will include, but are not limited to: organization of the body, chemical basis for life, cells & tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, blood, circulatory system, lymphatic & immune systems, respiratory systems, digestive system & metabolism, urinary system, and reproductive system. An emphasis should be placed on real-world applications, and active-learning exercises should be included along with laboratory experiences.

### Pharmacology

The student will identify sources, schedules and classes of drugs. The student will identify and interpret actions of drugs commonly used in a physician's office, accurately calculate drug dosage and identify appropriate medication routes. The student will follow the written, verbal and standing physician orders and properly prepare and administer using aseptic technique as required.

### Introduction to Medical Office Clinical Procedures (Part I)

This course is designed to introduce, prepare, and ensure student competency in clinical skills required at an entry level position for a medical assistant. Students learn to obtain patient histories and vital signs, assist with minor office procedures, patient assessment and education along with various other techniques involving assisting a physician with in the parameters of a medical office.

### Introduction to the Medical Office Clinical Procedures (Part II)

This course is designed to introduce, prepare and ensure student competency in clinical skills required at an entry level position for a medical assistant. Students learn aseptic techniques, minor office procedures, basic diagnostic testing techniques, phlebotomy, patient assessment techniques and applications, along with various other techniques involving assisting a physician within the parameters of a medical office.

### Medical Assisting Clinical Experience

In this course, students apply the knowledge and skills acquired in previous medical assistant courses to the clinical site. Externship assignments are scheduled to provide students with adjunct faculty and supervised experience in performing the skills and competencies of a medical assistant in a physician's office. Students will accept accountability and responsibility for their own behavior while in the learning environment and will practice within the clinical and legal framework of the profession of medical assistant.



## **GREEN COUNTRY TECHNOLOGY CENTER**

Career Cluster: Health Science  
Pathway: Therapeutic Services  
Major: Certified Medication Aide  
Local Name: Certified Medication Aide  
Instructor: Tiffany Berryhill  
Total Hours: 61

<u>Sequence of Courses:</u>	<u>Hours</u>
Certified Medication Aide	45
Advanced CMA-Insulin Administration	16

### Course Descriptions:

#### Certified Medication Aide

This course provides training to be a CMA.

#### Advanced CMA-Insulin Administration

The course provides training to the CMA on the principles of insulin administration.

Requirements for certification include: Must be Long Term Care Nursing Aide Certified with six months experience, High school transcript or GED, and be 18 years of age. Students can start the program if long term care certified before graduation or before 18 years of age. But to be certified, all of the requirements must be met.



## **GREEN COUNTRY TECHNOLOGY CENTER**

Career Cluster: Health Science

Pathway: Therapeutic Services

Major: Dental Assistant

Local Name: Dental Assistant

Instructor: Tiffany Berryhill

Total Hours: 585

<u>Sequence of Courses:</u>	<u>Hours</u>
Core Healthcare Provider CPR and First Aid	15
Foundations of Dental Assisting	30
Dental Science	75
Clinical Sciences for Dental Assistant	360
Internship in the Dental Office	105

### Course Descriptions:

#### Core Healthcare Provider CPR and First Aid

This course will provide the most current guidelines for CPR developed by the American Heart Association. The student will receive training in Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillator (AED)/Foreign Body Airway Obstruction (FBAO). The student will have an opportunity to become certified in Healthcare Provider CPR. This course will provide the knowledge for the student to perform basic first aid. Students will be provided an opportunity to gain skills towards first aide competency such as victim assessment, splinting, controlling bleeding, poisoning and burns.

#### Foundations of Dental Assisting

This course includes an overview of dental specialties including all the dental team members and a review of educational requirements, responsibilities, and job duties.

#### Dental Science

This course provides instruction in anatomy and physiology and microbiology especially as it relates to application to dental treatment and care. The student will learn about blood borne pathogens. The student will become familiar with the principles of diet and nutrition as they relate to the dental patient.

Clinical Sciences for Dental Assistant

The content of this course prepares the student to participate in laboratory and clinical experiences necessary to develop the skills to become a dental assistant. The course provides classroom and laboratory instruction.

Internship in the Dental Office

Students will participate in a limited clinical internship in a dental office.



## **GREEN COUNTRY TECHNOLOGY CENTER**

Career Cluster: Health Science

Pathway: Diagnostic Services

Major: Electrocardiograph Technician

Local Name: Electrocardiograph Technician

Instructor: Tiffany Berryhill

Total Hours: 525

<u>Sequence of Courses:</u>	<u>Hours</u>
Health Careers Core Curriculum	225
Core Medical Terminology	45
Anatomy and Physiology	120
Core Healthcare Provider CPR and First Aid	15
EKG Management	15
Analyze EKG Tracing	15
EKG Practicum	90

### Course Descriptions:

#### Health Careers Core Curriculum

This course is required for this Career Major Knowledge and skills are listed below. These competencies are common for most health careers students as the core to build on for the rest of this career major.

#### Core Medical Terminology

Medical Terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in healthcare.

### Anatomy and Physiology

Anatomy/Physiology is the study of the structural complexity of the human body and its intricate functional mechanisms. This course is taught as a laboratory science. Students will conduct scientific investigations and fieldwork using scientific knowledge and methodology that will enable them to make educated conclusions based on higher-level critical thinking and problem solving skills. The areas studied will be an integration of biology and chemistry and will include, but are not limited to: organization of the body, chemical basis for life, cells & tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, blood, circulatory system, lymphatic & immune systems, respiratory systems, digestive system & metabolism, urinary system, and reproductive system. An emphasis should be placed on real-world applications, and active-learning exercises should be included along with laboratory experiences.

### Core Healthcare Provider CPR and First Aid

This course will provide the most current guidelines for CPR developed by the American Heart Association. The student will receive training in Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillator (AED)/Foreign Body Airway Obstruction (FBAO). The student will have an opportunity to become certified in Healthcare Provider CPR. This course will provide the knowledge for the student to perform basic first aid. Students will be provided an opportunity to gain skills towards first aide competency such as victim assessment, splinting, controlling bleeding, poisoning and burns.

### EKG Management

In this course, the student will set up and operate an electrocardiogram machine.

### Analyze EKG Tracing

In this course, the technician interprets and evaluates electrocardiogram tracings.

### EKG Practicum

Students participate in clinical practicum for the EKG Technician. Clinicals may occur in a variety of settings that utilize EKG monitors.



## **GREEN COUNTRY TECHNOLOGY CENTER**

Career Cluster: Health Science

Pathway: Therapeutic Services

Major: Occupational Therapy Aide

Local Name: Occupational Therapy Aide

Instructor: Tiffany Berryhill

Total Hours: 555

<u>Sequence of Courses:</u>	<u>Hours</u>
Health Careers Core Curriculum	225
Core Medical Terminology	45
Core Healthcare Provider CPR and First Aid	15
Anatomy and Physiology	120
Introduction to Occupational Therapy Aide	15
Clerical Skills and Duties for the Occupational Therapy Aide	15
Effective Communication for the Occupational Therapy Aide	15
Ethics and Law in Occupational Therapy	15
Occupational Therapy Agents and Modalities	15
Occupational Therapy Treatment – Therapeutic Exercises	15
Clinical Practice for the Occupational Therapy Aide	60

### Course Descriptions:

#### Health Careers Core Curriculum

This course is required for this Career Major Knowledge and skills are listed below.

These competencies are common for most health careers students as the core to build on for the rest of this career major.

#### Core Medical Terminology

Medical Terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in healthcare.

### Core Healthcare Provider CPR and First Aid

This course will provide the most current guidelines for CPR developed by the American Heart Association. The student will receive training in Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillator (AED)/Foreign Body Airway Obstruction (FBAO). The student will have an opportunity to become certified in Healthcare Provider CPR. This course will provide the knowledge for the student to perform basic first aid. Students will be provided an opportunity to gain skills towards first aide competency such as victim assessment, splinting, controlling bleeding, poisoning and burns.

### Anatomy and Physiology

Anatomy/Physiology is the study of the structural complexity of the human body and its intricate functional mechanisms. This course is taught as a laboratory science. Students will conduct scientific investigations and fieldwork using scientific knowledge and methodology that will enable them to make educated conclusions based on higher-level critical thinking and problem solving skills. The areas studied will be an integration of biology and chemistry and will include, but are not limited to: organization of the body, chemical basis for life, cells & tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, blood, circulatory system, lymphatic & immune systems, respiratory systems, digestive system & metabolism, urinary system, and reproductive system. An emphasis should be placed on real-world applications, and active-learning exercises should be included along with laboratory experiences.

### Introduction to Occupational Therapy Aide

This course introduces the field of occupational therapy. The student will learn the history of the profession, the professionals associated with occupational therapy, the common employment settings of occupational therapy and the types of patients who come to occupational therapy.

### Clerical Skills and Duties for the Occupational Therapy Aide

This course is designed to prepare students to perform clerical duties in the occupational therapy profession.

### Effective Communication for the Occupational Therapy Aide

The student will learn communication skills specific to the occupational therapy environment.

### Ethics and Law in Occupational Therapy

Students will discuss licensure and certification for occupational therapy professionals and legal/ethical issues in occupational therapy.

### Occupational Therapy Agents and Modalities

This course prepares the occupational therapy aide to assist with occupational therapy agents and modalities.

Occupational Therapy Treatment – Therapeutic Exercises

This course prepares the occupational therapy aide to assist patients in performing therapeutic exercises. Exercise plans will be practiced in the laboratory setting.

Clinical Practice for the Occupational Therapy Aide

Students will practice as an Occupational Therapy Aide in a clinical setting with other rehabilitative professionals. Under the direction of a COTA or OT, students will assist professionals in patient care and restoration of activities of daily living.



## **GREEN COUNTRY TECHNOLOGY CENTER**

Career Cluster: Health Science

Pathway: Therapeutic Services

Major: Occupational Therapy Aide

Local Name: Occupational Therapy Aide

Instructor: Tiffany Berryhill

Total Hours: 555

<u>Sequence of Courses:</u>	<u>Hours</u>
Health Careers Core Curriculum	225
Core Medical Terminology	45
Core Healthcare Provider CPR and First Aid	15
Anatomy and Physiology	120
Introduction to Occupational Therapy Aide	15
Clerical Skills and Duties for the Occupational Therapy Aide	15
Effective Communication for the Occupational Therapy Aide	15
Ethics and Law in Occupational Therapy	15
Occupational Therapy Agents and Modalities	15
Occupational Therapy Treatment – Therapeutic Exercises	15
Clinical Practice for the Occupational Therapy Aide	60

### Course Descriptions:

#### Health Careers Core Curriculum

This course is required for this Career Major Knowledge and skills are listed below.

These competencies are common for most health careers students as the core to build on for the rest of this career major.

#### Core Medical Terminology

Medical Terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in healthcare.

### Core Healthcare Provider CPR and First Aid

This course will provide the most current guidelines for CPR developed by the American Heart Association. The student will receive training in Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillator (AED)/Foreign Body Airway Obstruction (FBAO). The student will have an opportunity to become certified in Healthcare Provider CPR. This course will provide the knowledge for the student to perform basic first aid. Students will be provided an opportunity to gain skills towards first aide competency such as victim assessment, splinting, controlling bleeding, poisoning and burns.

### Anatomy and Physiology

Anatomy/Physiology is the study of the structural complexity of the human body and its intricate functional mechanisms. This course is taught as a laboratory science. Students will conduct scientific investigations and fieldwork using scientific knowledge and methodology that will enable them to make educated conclusions based on higher-level critical thinking and problem solving skills. The areas studied will be an integration of biology and chemistry and will include, but are not limited to: organization of the body, chemical basis for life, cells & tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, blood, circulatory system, lymphatic & immune systems, respiratory systems, digestive system & metabolism, urinary system, and reproductive system. An emphasis should be placed on real-world applications, and active-learning exercises should be included along with laboratory experiences.

### Introduction to Occupational Therapy Aide

This course introduces the field of occupational therapy. The student will learn the history of the profession, the professionals associated with occupational therapy, the common employment settings of occupational therapy and the types of patients who come to occupational therapy.

### Clerical Skills and Duties for the Occupational Therapy Aide

This course is designed to prepare students to perform clerical duties in the occupational therapy profession.

### Effective Communication for the Occupational Therapy Aide

The student will learn communication skills specific to the occupational therapy environment.

### Ethics and Law in Occupational Therapy

Students will discuss licensure and certification for occupational therapy professionals and legal/ethical issues in occupational therapy.

### Occupational Therapy Agents and Modalities

This course prepares the occupational therapy aide to assist with occupational therapy agents and modalities.

Occupational Therapy Treatment – Therapeutic Exercises

This course prepares the occupational therapy aide to assist patients in performing therapeutic exercises. Exercise plans will be practiced in the laboratory setting.

Clinical Practice for the Occupational Therapy Aide

Students will practice as an Occupational Therapy Aide in a clinical setting with other rehabilitative professionals. Under the direction of a COTA or OT, students will assist professionals in patient care and restoration of activities of daily living.



## **GREEN COUNTRY TECHNOLOGY CENTER**

Career Cluster: Health Science

Pathway: Diagnostic Services

Major: Phlebotomist

Local Name: Phlebotomist

Instructor: Tiffany Berryhill

Total Hours: 600

<u>Sequence of Courses:</u>	<u>Hours</u>
Health Careers Core Curriculum	225
Core Medical Terminology	45
Core Healthcare Provider CPR and First Aid	15
Anatomy and Physiology	120
Clerical Skills & Duties	15
Safety, Legal Issues & Quality Control	15
Phlebotomy Specimen Collection & Processing	45
Phlebotomy Practicum	120

### Course Descriptions:

#### Health Careers Core Curriculum

This course is required for this Career Major Knowledge and skills are listed below. These competencies are common for most health careers students as the core to build on for the rest of this career major.

#### Core Medical Terminology

Medical Terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in healthcare.

### Core Healthcare Provider CPR and First Aid

This course will provide the most current guidelines for CPR developed by the American Heart Association. The student will receive training in Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillator (AED)/Foreign Body Airway Obstruction (FBAO). The student will have an opportunity to become certified in Healthcare Provider CPR. This course will provide the knowledge for the student to perform basic first aid. Students will be provided an opportunity to gain skills towards first aide competency such as victim assessment, splinting, controlling bleeding, poisoning and burns.

### Anatomy and Physiology

Anatomy/Physiology is the study of the structural complexity of the human body and its intricate functional mechanisms. This course is taught as a laboratory science. Students will conduct scientific investigations and fieldwork using scientific knowledge and methodology that will enable them to make educated conclusions based on higher-level critical thinking and problem solving skills. The areas studied will be an integration of biology and chemistry and will include, but are not limited to: organization of the body, chemical basis for life, cells & tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, blood, circulatory system, lymphatic & immune systems, respiratory systems, digestive system & metabolism, urinary system, and reproductive system. An emphasis should be placed on real-world applications, and active-learning exercises should be included along with laboratory experiences.

### Clerical Skills & Duties

Performing laboratory duties requires accuracy, timeliness, and documenting. In this course, the student will be able to function in the laboratory setting with these skills learned.

### Safety, Legal Issues & Quality Control

This course will enhance the student's knowledge of safety procedures as they relate to phlebotomy. This course provides the student with the knowledge and skills in maintaining the standard procedures necessary for a laboratory. This course will enhance the student's knowledge of legal and ethical issues to consider in the profession.

### Phlebotomy Specimen Collection & Processing

The phlebotomist must be able to recognize appropriate methods for analyzing specimens. In this course, the student will learn these methods in collecting and processing the specimen to be analyzed.

### Phlebotomy Practicum

This externship is designed to provide students with hands-on experience in a clinical, physician's office or laboratory setting. Students are required to complete the full 120 hours in order to receive credit for the course.



## GREEN COUNTRY TECHNOLOGY CENTER

Career Cluster: Health Science  
Pathway: Therapeutic Services  
Major: Physical Therapy Aide  
Local Name: Physical Therapy Aide  
Instructor: Tiffany Berryhill  
Total Hours: 600

<u>Sequence of Courses:</u>	<u>Hours</u>
Health Careers Core Curriculum	225
Core Medical Terminology	45
Anatomy and Physiology	120
Core Healthcare Provider CPR and First Aid	15
Introduction to Physical Therapy Aide	15
Clerical Skills and Duties for the Physical Therapy Aide	15
Ethics and Law in Physical Therapy	15
Preparation for Patient Care in Physical Therapy	15
Ambulation and Gait Training	15
Therapeutic Exercises	30
Therapeutic Agents and Modalities	30
Clinical Practice for the Physical Therapy Aide	60

### Course Descriptions:

#### Health Careers Core Curriculum

This course is required for this Career Major Knowledge and skills are listed below. These competencies are common for most health careers students as the core to build on for the rest of this career major.

#### Core Medical Terminology

Medical Terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology

enhances students' ability to successfully secure employment or pursue advanced education in healthcare.

### Anatomy and Physiology

Anatomy/Physiology is the study of the structural complexity of the human body and its intricate functional mechanisms. This course is taught as a laboratory science. Students will conduct scientific investigations and fieldwork using scientific knowledge and methodology that will enable them to make educated conclusions based on higher-level critical thinking and problem solving skills. The areas studied will be an integration of biology and chemistry and will include, but are not limited to: organization of the body, chemical basis for life, cells & tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, blood, circulatory system, lymphatic & immune systems, respiratory systems, digestive system & metabolism, urinary system, and reproductive system. An emphasis should be placed on real-world applications, and active-learning exercises should be included along with laboratory experiences.

### Core Healthcare Provider CPR and First Aid

This course will provide the most current guidelines for CPR developed by the American Heart Association. The student will receive training in Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillator (AED)/Foreign Body Airway Obstruction (FBAO). The student will have an opportunity to become certified in Healthcare Provider CPR. This course will provide the knowledge for the student to perform basic first aid. Students will be provided an opportunity to gain skills towards first aide competency such as victim assessment, splinting, controlling bleeding, poisoning and burns.

### Introduction to Physical Therapy Aide

This course will provide the student with a history of physical therapy. The course will present this occupation in the context of the rehabilitation team and emphasize how the contribution of the Physical Therapy Aide benefits the care of patients. The course explores the job opportunities that are available.

### Clerical Skills and Duties for the Physical Therapy Aide

This course is designed to prepare students to perform clerical skills and duties in the physical therapy profession. Students will practice office management procedures for the physical therapy office.

### Ethics and Law in Physical Therapy

Students will discuss licensure and certification for physical therapy professionals and legal/ethical issues in physical therapy.

### Preparation for Patient Care in Physical Therapy

This course teaches the physical therapy aide basic skills needed to prepare a patient for treatment. Students will learn and skillfully perform a variety of transfer techniques frequently used in the clinical setting.

### Ambulation and Gait Training

This course prepares the physical therapy aide to assist with ambulation and gait training. Students learn safe practices while demonstrating competency in ambulating the client.

#### Therapeutic Exercises

This course prepares the physical therapy aide to assist patients in performing therapeutic exercises. Students learn the proper techniques needed for client safety and comfort.

#### Therapeutic Agents and Modalities

This course prepares the physical therapy aide to assist with physical therapy agents and modalities. Students will learn to prepare, use and clean the facilities for optimal modality use.

#### Clinical Practice for the Physical Therapy Aide

Students will practice skills performed by the physical therapy aide in the rehabilitative clinical environment. All student activities will be monitored by a Physical Therapist or Physical Therapy Assistant.



## **GREEN COUNTRY TECHNOLOGY CENTER**

Career Cluster: Health Science

Pathway: Therapeutic Services

Major: Advanced Acute Care Nursing Assistant (Pre-Nursing)

Local Name: Pre-Nursing

Instructor: Tiffany Berryhill

Total Hours: 696

<u>Sequence of Courses:</u>	<u>Hours</u>
Health Careers Core Curriculum	225
Core Medical Terminology	45
Core Healthcare Provider CPR and First Aid	15
Anatomy and Physiology	120
Long Term Care Assistant	91
Concepts of Nursing	40
Fundamentals of Nursing	160

### Course Descriptions:

#### Health Careers Core Curriculum

This course is required for this Career Major Knowledge and skills are listed below.

These competencies are common for most health careers students as the core to build on for the rest of this career major.

#### Core Medical Terminology

Medical Terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in healthcare.

### Core Healthcare Provider CPR and First Aid

This course will provide the most current guidelines for CPR developed by the American Heart Association. The student will receive training in Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillator (AED)/Foreign Body Airway Obstruction (FBAO). The student will have an opportunity to become certified in Healthcare Provider CPR. This course will provide the knowledge for the student to perform basic first aid. Students will be provided an opportunity to gain skills towards first aide competency such as victim assessment, splinting, controlling bleeding, poisoning and burns.

### Anatomy and Physiology

Anatomy/Physiology is the study of the structural complexity of the human body and its intricate functional mechanisms. This course is taught as a laboratory science. Students will conduct scientific investigations and fieldwork using scientific knowledge and methodology that will enable them to make educated conclusions based on higher-level critical thinking and problem solving skills. The areas studied will be an integration of biology and chemistry and will include, but are not limited to: organization of the body, chemical basis for life, cells & tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, blood, circulatory system, lymphatic & immune systems, respiratory systems, digestive system & metabolism, urinary system, and reproductive system. An emphasis should be placed on real-world applications, and active-learning exercises should be included along with laboratory experiences.

### Long Term Care Assistant

This course meets requirements set by the Oklahoma State Dept. of Health for Long Term Care Nurse aide curriculum. Upon completion of this course, the student will be eligible to sit for the state certification exam.

### Concepts of Nursing

This course focuses on the use of nursing related concepts by practical nurses as providers of care and members of the discipline in collaboration with health team members. Emphasis is placed on the concepts of learning, teamwork, communication in nursing, human development, professionalism, health promotion, nursing ethics and law, and changing health care delivery systems.

### Fundamentals of Nursing

This course is an introduction to nursing care. Topics include utilizing the nursing process, performing assessment/data collection, and providing patient education. Principles and skills of nursing practice, documentation, and an introduction to physical assessment/data collection are taught. Special topics covering the care of the geriatric patient, the dying patient, the oncology patient, the pre/post operative patient, and the management of pain are included in the course. Emphasis will be placed on developing critical thinking skills, demonstrating professionalism by maintaining confidentiality, recognizing legal/ethical responsibilities, acting as a patient advocate, maintaining positive patient/colleague relationships, and by implementing appropriate standards of care.



## **GREEN COUNTRY TECHNOLOGY CENTER**

Career Cluster: Health Science  
Pathway: Therapeutic Services  
Major: Veterinary Assistant  
Local Name: Veterinary Assistant  
Instructor: Tiffany Berryhill  
Total Hours: 600

<u>Sequence of Courses:</u>	<u>Hours</u>
Health Careers Core Curriculum	225
Anatomy and Physiology	120
Core Medical Terminology	45
Veterinary Office Management Procedures	15
Core Healthcare Provider CPR and First Aid	15
Large and Small Animal Medicine	15
Large and Small Animal Care	15
Diagnostic Procedures for the Veterinary Assistant	15
Surgical Procedures for the Veterinary Assistant	30
Routine Duties in a Veterinary Clinic	30
Principles of Pharmacology for the Veterinary Assistant	15
Internship for Veterinary Assistant	60

### Course Descriptions:

#### Health Careers Core Curriculum

This course is required for this Career Major Knowledge and skills are listed below. These competencies are common for most health careers students as the core to build on for the rest of this career major.

#### Anatomy and Physiology

Anatomy/Physiology is the study of the structural complexity of the human body and its intricate functional mechanisms. This course is taught as a laboratory science. Students will conduct scientific investigations and fieldwork using scientific knowledge and methodology that will enable them to make educated conclusions based on higher-level

critical thinking and problem solving skills. The areas studied will be an integration of biology and chemistry and will include, but are not limited to: organization of the body, chemical basis for life, cells & tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, blood, circulatory system, lymphatic & immune systems, respiratory systems, digestive system & metabolism, urinary system, and reproductive system. An emphasis should be placed on real-world applications, and active-learning exercises should be included along with laboratory experiences.

#### Core Medical Terminology

Medical Terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in healthcare.

#### Veterinary Office Management Procedures

Upon completion of this course, the student will be able to demonstrate skills to assist with the management of a veterinary office.

#### Core Healthcare Provider CPR and First Aid

This course will provide the most current guidelines for CPR developed by the American Heart Association. The student will receive training in Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillator (AED)/Foreign Body Airway Obstruction (FBAO). The student will have an opportunity to become certified in Healthcare Provider CPR. This course will provide the knowledge for the student to perform basic first aid. Students will be provided an opportunity to gain skills towards first aide competency such as victim assessment, splinting, controlling bleeding, poisoning and burns.

#### Large and Small Animal Medicine

This course provides the student with general knowledge of various breeds of animals, common illnesses and wellness care.

#### Large and Small Animal Care

The student will obtain the knowledge for proper care for animals in a veterinary clinic.

#### Diagnostic Procedures for the Veterinary Assistant

Upon completion of this course, the student will be able to perform basic laboratory and diagnostic procedures in the veterinary office.

#### Surgical Procedures for the Veterinary Assistant

The student will obtain the knowledge necessary to manage a surgical patient in a veterinary clinic.

### Routine Duties in a Veterinary Clinic

Upon completion of this course, the student will have the knowledge and skills to maintain a veterinary clinic. This will include orderliness and sanitation of the office and clinic areas.

### Principles of Pharmacology for the Veterinary Assistant

The student will obtain the knowledge necessary in managing pharmacological requirements for the veterinary office. Students will be familiar with common medications and their uses in the veterinary setting.

### Internship for Veterinary Assistant

Students will participate in an internship in the veterinary clinic. Upon completion of this course, students will be prepared to accept a position in a veterinary clinic as a Vet Assistant.