



## **GREEN COUNTRY TECHNOLOGY CENTER**

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

<u>Sequence of Courses:</u>	<u>Hours</u>
Health Careers Core	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

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: Student Athletic Training Aide  
Local Name: Student Athletic Training Aide  
Instructor: Rebecca Blevins  
Total Hours: 615

<u>Sequence of Courses:</u>	<u>Hours</u>
Health Careers Core	225
Core Medical Terminology	45
Anatomy and Physiology	120
Core Healthcare Provider CPR and First Aid	15
Introduction to the Athletic Training Profession	15
Basic Care & Prevention of Athletic Injuries	90
Physiotherapy for Athletic Training	45
Student Athletic Training Internship	60

### Course Descriptions:

#### Health Careers Core

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 the Athletic Training Profession

This course will teach the students knowledge of the history of the athletic training profession, administrative duties and organizational skills and basic counseling techniques.

### Basic Care & Prevention of Athletic Injuries

This course will teach the students to recognize, evaluate and provide care to athletic injuries. Students will demonstrate skill in taping and wrapping techniques and construction and fitting of equipment to comply with safety regulations. Upon completion of this course, students will have a basic understanding of pharmacology and nutrition.

### Physiotherapy for Athletic Training

This course will enable students to understand the physiological effects, indications/contraindications of the use of modalities. The student will be able to provide basic patient care; understand various types of exercises and their functions in patient education; the use of range of motion; strengthening and proprioceptive exercises for major areas of the body.

### Student Athletic Training Internship

Students will be provided a hands-on training experience with professionals in the field of athletic training. Clinical sites may include high school sporting events or practice or a clinical environment within a rehabilitative clinic. Mentors should be Certified Athletic Trainers who are licensed in the state of Oklahoma.