



# CAREER PATHWAYS FOR SUCCESS

A DUAL ENROLLMENT CAREER PATHWAY FOR PRACTICAL NURSING

Highly suggested for clinical entry: Complete the CNA certificate through your school's Health Science Technology courses (if available) or take AHS 163 at TCTC.

## 12<sup>th</sup> Grade:

FALL	SPRING
• ENG 101	• MAT 120
• BIO 101	• PSY 201

### High School Graduation

WITH 13 HOURS COLLEGE CREDIT

- SUMMER
- TEAS TEST
  - Complete all Practical Nursing application requirements by May 31

SUMMER

- PNR 181
- PNR 154

SPRING

- PNR 140
- PNR 130
- PNR 121
- BIO 211

FALL

- PNR 175
- PNR 120
- BIO 210

## PRACTICAL NURSING DIPLOMA

EXIT NOW

Annually  
MEDIAN  
\$41,095

### Graduate from High School with 13 hours of college credit

- Take your dual enrollment courses at one of TCTC's campuses alongside college students or at a college site in your school district.
- Get a head start on general education courses while in high school to reduce your course load in college.
- Upon completion of the Practical Nursing program, become a Licensed Practical Nurse after passing the state licensing exam.
- The number of employed practical nurses in the upstate of SC is expected to increase by 10% over the next nine years.

TRI-COUNTY TECHNICAL COLLEGE CONTACT:

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## COURSE DESCRIPTIONS

The Practical Nursing program prepares students for employment as beginning level nurses under the direction of a registered nurse or physician. Employment opportunities are available in a variety of settings, including acute care hospitals, long care hospitals, physicians' offices and clinics, local public health departments, and home health agencies.

### **BIO 101 - Biological Science I**

Class Hours: 3 Lab Hours: 3 Credit Hours: 4

This course is a study of the scientific method, basic biochemistry, cell structure and function, cell physiology, cell reproduction and development, Mendelian genetics, population genetics, natural selection, evolution, and ecology. Laboratory requirement supplements lecture.

Prerequisites: Satisfactory placement test scores for ENG 101 or completion of ENG 101, ENG 103, ENG 155 or ENG 100 and RDG 100. Satisfactory placement test scores for MAT 101 or completion of MAT 101 or MAT 032. Completion of BIO 105 and CHM 105 replaces MAT and ENG prerequisites. All prerequisite courses require a grade of C or better.

Note: Credit may not be earned for both BIO 101 and BIO 105 or BIO 113.

### **BIO 210 - Anatomy and Physiology I**

Class Hours: 3 Lab Hours: 3 Credit Hours: 4

This is the first in a sequence of courses, including an intensive coverage of the body as an integrated whole. All body systems are studied. Topics include terminology, biological chemistry, cells, tissues, and the following systems: integumentary, skeletal, muscular, nervous, special senses. Lab requirement supplements lectures.

Prerequisites: BIO 101 with a grade of C or above.

### **BIO 211 - Anatomy and Physiology II**

Class Hours: 3 Lab Hours: 3 Credit Hours: 4

This is a continuation of a sequence of courses, including intensive coverage of the body as an integrated whole. All body systems are studied. A continuation of BIO 210, the following systems are studied: endocrine, circulatory, lymphatic, respiratory, digestive, urinary, fluids and electrolytes, reproductive. Lab requirement supplements lectures.

Prerequisites: BIO 210 with a grade of C or better.

### **ENG 101 - English Composition I**

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This is a (college transfer) course in which the following topics are presented: a study of composition in conjunction with appropriate literary selections, with frequent theme assignments to reinforce effective writing. A review of standard usage and the basic techniques of research are also presented.

Prerequisites: Satisfactory Writing placement score or a grade of C or higher in ENG 100 or in ENG 155 and satisfactory Reading placement score or a grade of C or higher in RDG 100.

### **MAT 120 - Probability and Statistics**

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course includes the following topics: introductory probability and statistics, including organization of data; sample space concepts; random variables; counting problems; binomial and normal distributions; central limit theorem; confidence intervals and test hypothesis for large and small samples; types I and II errors; linear regression and correlation.

Prerequisites: Satisfactory math placement score; or MAT 102 with a grade of C or above, or MAT 101 with a grade of A. And a Compass Reading score of 83 or RDG 100 with a grade of C or better or ENG 101 with a grade of C or better.

### **PNR 120 - Medical/Surgical Nursing I**

Class Hours: 3 Lab Hours: 6 Credit Hours: 5

This course is a beginning study utilizing the nursing process. Concepts include physiological, psychosocial, nutritional, and health and safety needs of the adult. Clinical experiences address selected commonly occurring health problems having predictable outcomes.

Co-requisite: PNR 175.

### **PNR 121 - Fundamentals of Pharmacology**

Class Hours: 2 Lab Hours: 0 Credit Hours: 2

This course is an introduction to basic concepts of pharmacology. Dosage calculations, medication administration, and common drug classifications are among the concepts explored.

Prerequisites: Admission to the program and satisfactory placement levels for MAT 120 or completion of MAT 102 or MAT 120.

### **PNR 130 - Medical/Surgical Nursing II**

Class Hours: 3 Lab Hours: 6 Credit Hours: 5

This course is a continuation of the study utilizing the nursing process. Concepts studied include the physiological, psychosocial, nutritional, and health and safety needs of the adult. Clinical experiences address the selected commonly occurring health problems having predictable outcomes.

Prerequisites: PNR 120 and BIO 210.

### **PNR 140 - Medical/Surgical Nursing III**

Class Hours: 3 Lab Hours: 6 Credit Hours: 5

This course is a continuation of the study utilizing the nursing process. Concepts include physiological, psychosocial, nutritional, and health and safety needs of the adult. Clinical experiences address selected commonly occurring health problems having predictable outcomes.

Prerequisites: PNR 130.

### **PNR 154 - Maternal/Infant/Child Nursing**

Class Hours: 3 Lab Hours: 6 Credit Hours: 5

This course is a study utilizing the nursing process to meet the needs of the childbearing family. Clinical experiences address the care of the mother, newborn, and the care of the child with commonly occurring diseases.

Prerequisites: PNR 140

### **PNR 175 - Practical Nursing Skills**

Class Hours: 2 Lab Hours: 6 Credit Hours: 4

This course provides refinement of skills used in the nursing process. Organizational skills, legal and ethical aspects of practical nursing, and career opportunities are emphasized.

Prerequisites: Admission to the program.

### **PNR 181 - Special Topics in Practical Nursing**

Class Hours: 1 Lab Hours: 0 Credit Hours: 1

This course covers special topics in practical nursing.

Prerequisites: PNR 130.

### **PSY 201 - General Psychology**

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course includes the following topics and concepts in the science of behavior: scientific method, biological bases for behavior, perception, motivation, learning memory, development, personality, abnormal behavior, therapeutic techniques, and social psychology.

Prerequisites: Reading and writing placement scores for ENG 101 or completion of ENG 100, ENG 101, or ENG 155 with a grade of C or higher. BIO 101 strongly recommended.