



# A DUAL ENROLLMENT CAREER PATHWAY FOR ASSOCIATE DEGREE NURSING

[tctc.edu/careerpathways](http://tctc.edu/careerpathways)

## About the Program

- Registered nurses typically work in hospitals and often coordinate plans for patient care, instruct patients on how to manage illnesses after treatment, and oversee other workers, such as LPNs, nursing aides and home care aides.
- Get a head start on qualifying for Nursing Clinical Entry while in high school and during the summer before your first fall semester.
- Upon completion of the Associate in Applied Science Degree Nursing (ADN) program, become a Licensed Registered Nurse after passing the state licensing exam.

## About the Pathway

- Take your dual enrollment courses at one of TCTC's campuses alongside college students or at a college site in your school district.
- After earning your ADN at TCTC, continue your studies in nursing at many public and state colleges to earn a Bachelor of Science in Nursing (BSN), Master of Science in Nursing (MSN), and Doctorate of Nursing Practitioner (DNP).
- The number of employed nurses in the upstate of SC is expected to increase by 10% over the next nine years.

## Associate Degree Nursing CAREER PATHWAY

### IN HIGH SCHOOL

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.

- FALL
- BIO 101
  - ENG 101

- SPRING
- MAT 120
  - ENG 102\*

\*Optional, but needed to complete 4-year B.S. degree.

**HIGH SCHOOL GRADUATION  
AND  
13 HOURS COLLEGE CREDIT**

### AFTER HIGH SCHOOL

#### Associate in Applied Science Degree Nursing (ADN)

SUMMER		
• BIO 210 <small>(recommended but may take in fall after HS)</small>	• TEAS TEST	• Complete all Nursing applications requirements by May 31

FALL		
• NUR 106	• NUR 120	• PSY 201

SPRING		
• BIO 211	• NUR 121	• NUR 162

FALL			
• BIO 225	• NUR 229	• NUR Elective	• SPC 205

SPRING		
• NUR 221	• NUR 230	• Humanities Requirement

SC Mean Annual Wages  
**\$60,761**

### AFTER TCTC GRADUATION

#### BACHELOR OF SCIENCE NURSING (BSN)

(Various options available at SC public and private colleges including Clemson University and USC)

#### MASTER OF SCIENCE NURSING (MSN)

#### DOCTOR OF SCIENCE NURSING PRACTITIONER (DNP)

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# NURSING COURSE DESCRIPTIONS

The Associate Degree Nursing program prepares men and women to function effectively as registered nurses in a health care team. Nursing theory is integrated with supportive courses from the humanities, mathematics, biological and behavioral sciences.

## BIO 101 - BIOLOGICAL SCIENCE I

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

This course is the first of a sequence introducing biology. Topics include 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 lectures.

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 032, MAT 101, MAT 102, MAT 103, MAT 109, MAT 110, MAT 111,

MAT 120, MAT 130, MAT 138, or MAT 140. Completion of BIO 105 and CHM 105 replaces MAT and ENG prerequisites. All prerequisite courses require a grade of "C" or higher.

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: Completion of BIO 101 or BIO 113 with a grade of "C" or higher. Note: Credit may not be earned for both BIO 210 and BIO 112.

## 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: Completion of BIO 210 with a grade of "C" or higher.

## BIO 225 - MICROBIOLOGY

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

This is a detailed study of microbiology as it relates to infection and the disease processes of the body. Topics include immunity, epidemiology, medically important microorganisms, and diagnostic procedures for identification. Laboratory requirement supplements lectures.

Prerequisites: Completion of BIO 101 or BIO 113 with a grade of "C" or higher. Note: Credit may not be earned for both BIO 225 and BIO 115.

## 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.

## ENG 102 - ENGLISH COMPOSITION II

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

This is a (college transfer) course in which the following topics are presented: development of writing skills through logical organization, effective style, literary analysis and research. An introduction to literary genre is also included.

Prerequisites: ENG 101 with a grade of "C" or higher.

## 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 higher, or MAT 101 with a grade of A and a satisfactory reading placement score or RDG 100 with a grade of "C" or higher or ENG 101 or ENG 103 with a grade of "C" or higher.

## NUR 106 - PHARMACOLOGIC BASICS

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

This introductory course outlines the basic concepts of pharmaceuticals, pharmacokinetics, pharmacodynamics, and pharmacotherapeutics. The process of clinical calculations is introduced as well as major drug classifications.

Co-requisite: NUR 120.

## NUR 120 - BASIC NURSING CONCEPTS

Class Hours: 4.5 Lab Hours: 7.5 Credit Hours: 7

This course introduces the application of the nursing process in the care of persons throughout the life span who are experiencing selected common health problems.

Prerequisites: Admission to the program.

## NUR 121 - INTERMEDIATE NURSING CONCEPTS

Class Hours: 5 Lab Hours: 9 Credit Hours: 8

This course facilitates the application of the nursing process in the care of persons throughout the life span who are experiencing common health problems. This course will also include complex health problems.

Prerequisites: NUR 106 and NUR 120. All prerequisite courses require a grade of "B" or higher.

## NUR 162 - PSYCHIATRIC AND MENTAL HEALTH NURSING

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

This course covers application of critical thinking skills and nursing concepts in the care of adult clients with selected mental health problems in a variety of settings. The course includes the study of dynamics of human behavior ranging from normal to extreme.

Prerequisites: NUR 106 and NUR 120. All prerequisite courses require a grade of "B" or higher.

## NUR 221 - ADVANCED NURSING CONCEPTS

Class Hours: 2 Lab Hours: 9 Credit Hours: 5

This course expands the application of the nursing process in the care of persons throughout the life span who are experiencing complex health problems. It provides opportunity for students to assume management responsibilities in the delivery of nursing care within the health care system.

Prerequisites: NUR 121 and NUR 229 with a grade of B or better.

## NUR 229 - NURSING CARE MANAGEMENT IV

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

This course is a study of nursing care to clients throughout their lifespan who are experiencing complex, multi-system health problems. Focus will be on the care of childbearing and child-rearing families and will incorporate knowledge of expected growth and development principles, include risk reduction and health promotion.

Prerequisites: NUR 121 and NUR 162. All prerequisite courses require a grade of "B" or higher.

## NUR 230 - PHYSICAL ASSESSMENT

Class Hours: 1.5 Lab Hours: 4.5 Credit Hours: 3

This course facilitates the development of competence to perform a physical assessment.

Prerequisites: NUR 121 and NUR 229. All prerequisite courses require a grade of "B" or higher.

## 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: Satisfactory reading and English placement scores for ENG 101; or satisfactory English scores for ENG 101 and completion of RDG 100 with a grade of "C" or higher; or completion of ENG 100, ENG 101, ENG 103 or ENG 155 with a grade of "C" or higher. BIO 101 strongly recommended.

## SPC 205 - PUBLIC SPEAKING

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

This course is an introduction to principles of public speaking with application of speaking skills.

Prerequisites: ENG 101, ENG 103, ENG 155, or ENG 156 with a grade of "C" or higher.



**TCTC**  
Tri-County Technical College