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.
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 requirements 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 and 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 pharmacuetics, pharmacokinetics, pharmacodynamics, and pharmacotheapeutics. 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 selected 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.