

**CLUSTER: HEALTH SCIENCE**  
**MAJOR: THERAPEUTIC SERVICES**

**High School**

9

Algebra 1  
 English 1  
 Physical Science  
 World Geography  
 Computer Science  
 Physical Education  
 or Jr. ROTC  
 Freshman Seminar

10

Algebra 2  
 English 2  
 Biology  
 World History  
 Integrated Business Applications  
 Foreign Language  
**Introduction to Health Science**

11

Pre-Calculus  
 English 3  
 Chemistry  
 U.S. History  
**Comprehensive Health**  
 Foreign Language  
**Health Science Technology 1**

12

AP Calculus  
 English 4  
 AP Biology  
 U.S. Government/Economics  
 Psychology  
**Health Science Technology 2 or Gerontology**  
**Anatomy & Physiology**

**Recommended Electives:** Based on a student's career goals and college requirements, the recommended electives may include an additional course in the same foreign language, or specific math, science, or language arts courses.

**Note:** Core academic courses listed represent the more commonly chosen courses and sequences. Any number of course combinations are possible depending on local school district offerings.

**Orangeburg Calhoun Technical College –  
 Major: Nursing (Associate Degree)**

**Freshman**

Fundamentals of Nursing  
 Anatomy and Physiology I  
 Contemporary Math  
 General Psychology  
 Common Health Problems  
 Anatomy and Physiology II  
 Human Growth and Development  
 English Composition I  
 Pharmacology for Nurses

**Summer**

Nursing Care of Children  
 Microbiology  
 Community Health Nursing

**Sophomore**

Complex Health Problems  
 Mental Health Nursing  
 Nutrition  
 Care of the Childbearing Family  
 Management of Patient Care  
 Humanities Elective

Source: Orangeburg-Calhoun Technical College <http://www.octech.edu/octech/prog4/nursedeg.asp>

**Clemson University – Major: Nursing (Bachelor of Science Degree)**

**Freshman**

BIOL 103  
 General Biology I  
 MTHSC 101  
 Essential Math for  
 Informed Society  
 NURS 140  
 Computer Applications  
 in Health Care  
 SOC 201  
 Introduction to Sociology  
 Elective  
 CH 101  
 General Chemistry  
 ENGL 103  
 Accelerated Composition  
 MTHSC 203  
 Elementary  
 Statistical Inference  
 PSYCH 201  
 Introduction to Psychology  
 Arts and Humanities (Non-Lit.)  
 Requirement

**Sophomore**

BIOSC 222 and 223  
 Human Anatomy and  
 Physiology  
 I and II  
 MICRO 205  
 Introduction to Microbiology  
 Arts and Humanities  
 (Literature)  
 Requirement  
 Cross-Cultural Awareness  
 Requirement  
 COMM 15  
 Intro to Human  
 Communication  
 or  
 COMM 250  
 Public Speaking  
 NURS 320  
 Professionalism in Nursing  
 Nutrition Requirement  
 Science and Tech. in Society  
 Requirement

**Junior**

ENGL 304 - Business Writing  
 or  
 ENGL 314 - Technical Writing  
 NURS 304  
 Pathophysiology for Healthcare  
 Professionals  
 NURS 310  
 Health Assessment  
 NURS 312  
 Therapeutic  
 Nursing Interventions  
 NURS 340  
 Pharmacotherapeutic Nursing  
 Interventions  
 NURS 303  
 Nursing of Adults  
 NURS 305  
 Psychosocial Nursing  
 NURS 311  
 Intro to  
 Community Nursing  
 NURS 323  
 Gerontology Nursing  
 NURS 330  
 Research in Nursing

**Senior**

NURS 401  
 Mental Health Nursing  
 NURS 411  
 Nursing Care of Children  
 NURS 412  
 Nursing Care  
 of Women and Their Families  
 NURS 403  
 Complex Nursing of Adults  
 NURS 405  
 Leadership  
 and Management in Nursing  
 NURS 408  
 Senior Nursing Practicum  
 NURS 415  
 Community Health Nursing

Source: Clemson University <http://www.hehd.clemson.edu/Nursing/undergrad.htm>

**Note: Course requirements and program plans are subject to change based on institution requirements. Check Websites for the latest information.**