

# Course List for the Bachelor of Science in Nursing, Pre-Licensure BSN

2025-2026 Academic Year | Department of Undergraduate Nursing, UTA College of Nursing and Health Innovation

## Resources

For official course lists, descriptions and degree requirements please refer to the UTA Catalog. The College of Nursing and Health Innovation makes every effort to keep this list accurate, but this list is unofficial and provided for convenience only.

UTA Catalog: [UTA Catalog, Nursing Bachelor's Programs](#)

Do you have questions, or would you like to speak with someone about applying to the program? Our academic advisors are ready to meet with you: [Pre-Licensure BSN Academic Advising](#)

## General Education Courses

### BIOL 1301

#### **Nutrition**

Nutrients essential to an adequate diet and good health and the nutritive values of common foods are reviewed.

Sixteen Week Course (CB) – Eight Week Course (AO) | Prerequisite: None | 3 Credit Hours

### BIOL 2457

#### **Human Anatomy and Physiology I**

Functional morphology of humans, cellular function, principles of support and movement, and neural control systems. Laboratory exercises involve both anatomical and physiological aspects of principles introduced in the lecture. This class is designed for students in sport activities (EXSA) and nursing and health.

Sixteen Week Course (CB) – Eight Week Course (AO) | Prerequisite: BIOL 1345 or BIOL 1441 | 4 Credit Hours

### BIOL 2458

#### **Human Anatomy and Physiology II**

Functional morphology of humans, maintenance of the human body, and continuity of life. Topics will include the endocrine, cardiovascular, respiratory, digestive, urinary, immune, and reproductive systems. Laboratory exercises explore both anatomical and physiological aspects of principles introduced in the lecture.

Sixteen Week Course (CB) – Eight Week Course (AO) | Prerequisite: BIOL 2457 | 4 Credit Hours

### BIOL 2460

#### **Microbiology for Non-Science Majors**

This course covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health, and non-science majors. It includes the nature of microorganisms, microbial diversity, the importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include microorganism structure, growth, physiology, pathogenesis, and biochemistry. Emphasis is on medical microbiology, infectious diseases, and public health. The laboratory component covers essential microbiology laboratory skills including aseptic technique, assessment of antimicrobial agents, microscopy, and staining techniques.

Sixteen Week Course (CB) – Eight Week Course (AO) | Prerequisite: BIOL 1345 or BIOL 1441 | 4 Credit Hours

## CHEM 1451

### **Chemistry for Health Sciences**

Survey of general, organic, and biochemistry with emphasis on applications to the human body.

Measurement, atomic theory and structure, bonding, quantitative relationships in chemical reactions, gases, solutions, electrolytes, organic functional groups and nomenclature, organic reactions, carbohydrates, lipids, proteins, enzymes, metabolism, and nucleic acids.

Sixteen Week Course (CB) – Fifteen Week Course (AO) | Prerequisites: MATH 1301 or MATH 1302 or MATH 1303 or MATH 1315 or MATH 1316 or MATH 1322 or MATH 1323 or MATH 1324 or MATH 1421 or MATH 1426 or equivalent. | 4 Credit Hours

## PSYC 1315

### **Introduction to Psychology**

The fundamental methods and content of scientific psychology. Concentration on the understanding of basic principles.

Sixteen Week Course (CB) – Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

## PSYC 3310

### **Developmental Psychology**

Human development and growth from conception through old age, concerned with the physical, behavioral, and social aspects.

Sixteen Week Course (CB) – Eight Week Course (AO) | Prerequisite: PSYC 1315 | 3 Credit Hours

## MATH 1301

### **Contemporary Mathematics**

This course covers real-world applications of mathematics intended for Non-STEM majors. It develops problem-solving and critical thinking skills. Topics include the mathematics of dimensional analysis, mathematical sets and logic, voting method, numbers sense, intermediate algebra skills, probability, statistics, and finance. The use of online platforms and calculators is required. See course syllabus for details. Credit may be received for only one of MATH 1301, MATH 1302/1402, or MATH

1315.

Sixteen Week Course (CB) - Eight Week Course (AO) – Fifteen Week Course (AO) | No Prerequisites | 3 Credit Hours

## MATH 1308

### **Elementary Statistical Analysis**

Topics may include collection, analysis, presentation, and interpretation of data. Analysis includes descriptive statistics, probability, relationships between variables and graphs, elementary statistical models, hypothesis testing, inference, estimation, correlation, regression and confidence intervals. The use of mathematical software and calculators is required. See course syllabus for details.

Sixteen Week Course (CB) - Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

## ENGL 1301

### **Rhetoric and Composition I**

Introduction to college reading and writing. Emphasizes recursive writing processes, rhetorical analysis, synthesis of sources, and argument.

Sixteen Week Course (CB) - Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

## ENGL 1302

### **Rhetoric and Composition II**

Continues ENGL 1301, but with an emphasis on advanced techniques of academic argument. Includes issue identification, independent library research, analysis and evaluation of sources, and synthesis of sources with students' own claims, reasons, and evidence.

Sixteen Week Course (CB) - Eight Week Course (AO) | Prerequisite: Grade of C or better in ENGL 1301 | 3 Credit Hours

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College of Nursing and Health Innovation,  
The University of Texas at Arlington

### HIST 1301

#### **History of the United States to 1865**

An introduction to the political, social, economic, and cultural history of the United States prior to 1865. This course is designed to help students understand and evaluate their society, comprehend the historical experience, and further develop reading and writing competencies and critical skills. Sixteen Week Course (CB) - Eight Week Course (AO) | Co-Requisite or Prerequisite: ENGL 1301 | 3 Credit Hours

### History 1302

#### **History of the United States, 1865 to Present**

An introduction to the political, social, economic, and cultural history of the United States since 1865. This course is designed to help students understand and evaluate their society, comprehend the historical experience, and further develop reading and writing competencies and critical skills. Sixteen Week Course (CB) - Eight Week Course (AO) | Co-Requisite or Prerequisite: ENGL 1301 | 3 Credit Hours

### POLS 2311

#### **Government of the United States**

The constitution and government of the United States. The organization, procedures, and duties of the branches of the government, together with their accomplishments and defects. Sixteen Week Course (CB) – Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

### POLS 2312

#### **State and Local Government**

The principles and organization of American state, county, and municipal government, together with current problems and the constitution and government of Texas. Sixteen Week Course (CB) – Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

### Social Science Elective

**An additional 3 credit hour Social Science elective is required. Students may choose from KINE 2350 Introduction to Public Health, SOCI 1311 Introduction to Sociology, or other approved course after consulting with an advisor.**

### Creative Arts Elective

**A 3 credit hour Creative Arts elective is required. Students may choose from ART 1301 Art Appreciation or other approved course after consulting with an advisor.**

### Language, Philosophy, and Culture Elective

**A 3 credit hour Language, Philosophy, and Culture elective is required. Students may choose from ENGL 2309 World Literature, ENGL 2319 British Literature, ENGL 2329 American Literature, SOCI 1310 American Popular Culture, or other approved course after consulting with an advisor.**

### Upper-Division Electives

**Two 3 credit hour (total 6 credit hours required) of upper-division (junior/senior level) electives are required. Students may choose from NURS 3309 Medical Terminology, NURS 3333 Promoting Healthy Lifestyles, or other approved courses after consulting with an advisor.**

## Nursing Exploratory Courses

### NURS 3364

#### **Introduction to Professional and Clinical Concepts in Nursing**

Designed to introduce the student to specific professional concepts in nursing as well as academic success strategies. Selected concepts and processes for professional nursing will include an introduction to nursing's theoretical, philosophical, ethical, and legal dimensions with an emphasis on professional formation. Course activities will focus on development of teamwork, communication skills, effective decision making and reflective practice.

Sixteen Week Course (CB) – Eight Week Course (CB) - Five Week Course (AO) | No Prerequisites | 3 Credit Hours

### NURS 3366

#### **Pathophysiologic Processes: Implications for Nursing**

Pathophysiologic alterations, their interactions, and effects on persons across the life span as a basis for therapeutic nursing interventions. Must be taken no more than three years prior to acceptance into the nursing program.

Sixteen Week Course (CB) – Fourteen Week Course (AO) | Prerequisites: BIOL 2457, BIOL 2458, CHEM 1451 | 3 Credit Hours