

Course List for Nursing and Health

2022-2023 Academic Year | Department of Undergraduate Nursing, UTA College of Nursing

Resources

For official course lists, descriptions and degree requirements please refer to the UTA Catalog. The College of Nursing 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: [BSN Prelicensure Academic Advising](#)

General Education Courses

BIOL 1345

Biology I for Nursing and Health Students

This course focuses on the chemical and molecular basis of life, including metabolism, cell structure and function, and genetics to provide knowledge of these subjects for those pursuing a degree in nursing or public health. Note: This course cannot be applied for credit toward a degree in Biology.

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

BIOL 2457

Human Anatomy and Physiology I

Functional morphology of humans, cellular function, principles of support and movement, and neural and endocrine control systems. Laboratory exercises involve both anatomical and experimental aspects of principles introduced in the lecture. This class is designed for students in sport activities (EXSA), medical technology 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 cardiovascular, respiratory, digestive,

urinary, immune, and reproductive systems.

Laboratory exercises explore both anatomical and experimental aspects of principles introduced in the lecture. This class is designed for students in sport activities (EXSA), medical technology, and nursing and health.

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

BIOL 2460

Nursing and Health Microbiology

The intention of this course is to present basic information, relevant to nursing practice, with the principles of microbiology and the nature of microbial disease. This course will give the nursing student a fundamental background of knowledge that will be applicable to the care of infectious patients, to the control of microbial diseases, and an understanding of microorganisms. The laboratory will provide practice in aseptic techniques, the use of disinfectants and antimicrobial agents, and microscopic study of bacteria.

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.

Revision: July 2022
College of Nursing and Health Innovation,
The University of Texas at Arlington

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 material in a traditional algebra course together with real-world applications of mathematics. It develops problem-solving and critical thinking skills. Topics include the mathematics of dimensional analysis, mathematical logic, population growth, optimization, voting theory, number theory, graph theory, relations, functions, probability, statistics, and finance. The use of mathematical software and calculators is required. See course syllabus for details. Credit may be received for only one of MATH 1301, MATH 1302, 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

ENGL 2338

Technical Writing

Covers the processes of researching, drafting, designing, editing, and revising technical reports, proposals, instructions, resumes, and professional correspondence for specific audiences.

Sixteen Week Course (CB) - Five Week Course (AO) | Prerequisites: Grade of C or better in ENGL 1301 and ENGL 1302 | 3 Credit Hours

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 Since 1865

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 Elective

An additional 3 credit hour upper-division elective is required (NURS or non-NURS). See Advisor for options.